

Price Book

October 2015



Rivulis
Irrigation

Effective October 1, 2015

Contact Information

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Factories in North America
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We're working with our business partners to grow more. Combining the industry's leading irrigation products with the right people. Doing business the right way, together. **Rivulis Irrigation- Your Growth Partner.**

What Our Technology Does

It's about applying the right amount of water and nutrients at the right time throughout the whole season. An irrigation system comprised of Rivulis Irrigation products can help generate greater yields using the same, or even less, water and nutrients than with previous water distribution systems.

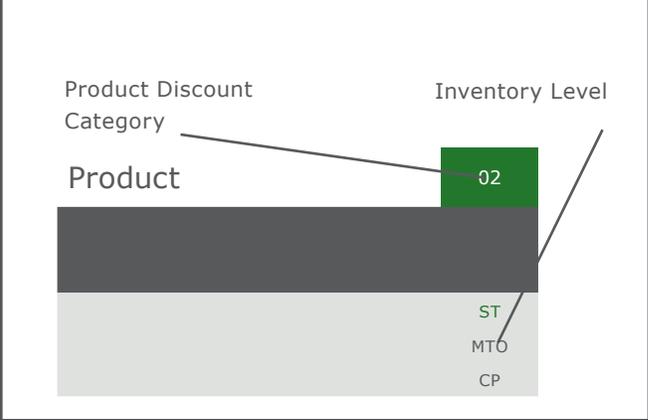
With advanced product features and built-in reliability, we provide solutions for above ground or subsurface application of water and nutrients directly to the root zone of each plant.

Using the price book

Welcome to the new 2015 Rivulis Irrigation Dealer Price Book for North America. The new design of the Rivulis Price book will allow you to find products easier and faster. Now you can find all the components of the irrigation system your customer is looking for at first sight. Each section has a Quick Reference chart that summarizes the key characteristics of the product family and the tools and components suitable for the right irrigation system by application. The products are organized by the section where they are used in a common irrigation system and then alphabetically by product type and product name.

Included in the book you will find the general description of the product, key features, packaging quantities, and list pricing. Additionally, you will find a Product Category number for each section of products. The Product Discount Category will determine which discount you may apply to the product in that section. The product discount categories and discount levels are available from your Sales Representative or District Sales Manager.

Inventory/Product Discount Category



Stocking Categories

Stock (ST) - Product is generally ready for shipment. Check with Customer Service for lead times when placing an order.

Made to Order (MTO) - Product is not generally in inventory and will be produced according to an order. Check minimum purchase quantity.

Custom Products (CP) - Custom products are available upon request. Contact your Sales Representative or District Sales Managers for details. Check minimum purchase quantity.

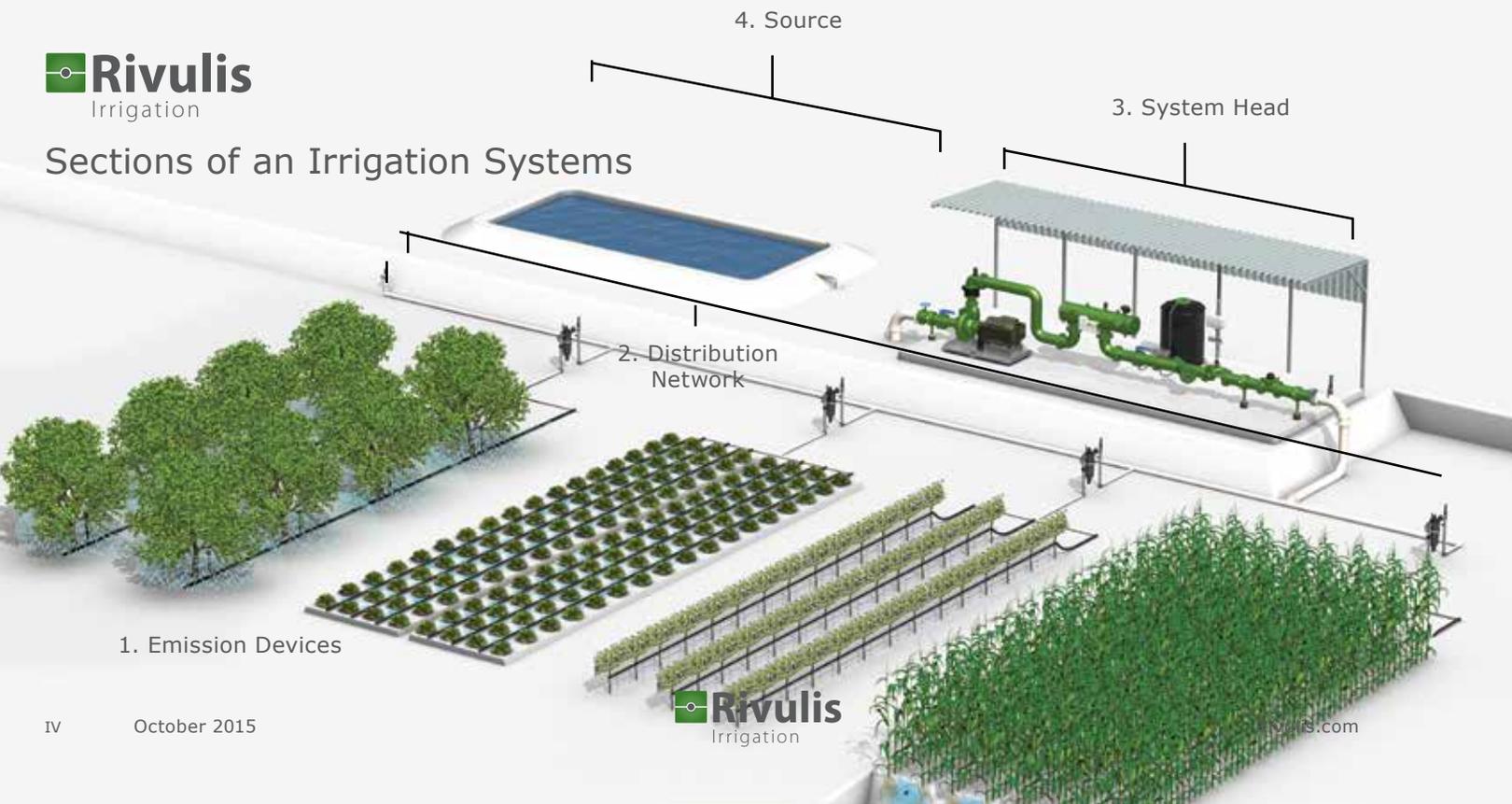
If you have any question about the information in the price book, please feel free to contact your Sales Representative or District Sales Manager. Technical data sheets are available at [Rivulis.com](http://www.rivulis.com)

Warranty and Terms and Conditions of sale

All orders are subject to Rivulis Irrigation warranty and terms and conditions of sales. At the end of the book you will find the warranty and terms and conditions of sale. Also this information is posted on our website: <http://www.rivulis.com/docs/warranty.pdf>



Sections of an Irrigation Systems



New in this Price Book!

Rivulis D5000 Flow Regulated Drip Tape (Page 2.3)



The D5000 Flow Regulated Drip Tape utilizes a universal flat dripper that can be integrated in several diameters of line and wall thickness configurations. Engineered to resist clogging, the D5000's design incorporates both multiple inlet filters and a dripper labyrinth with a large cross sectional area. And with the accurate flow regulation, the D5000 Drip Tape is the ideal choice for long runs or sloping terrain. From row crops to field crops, you can find the D5000 Flow Regulated Drip Tapes delivering the right amount of water, where you need it.



Rivulis Reserve Drip Tape (Page 2.7)

Uncommon Focus

Rivulis Reserve is a premium drip tape product designed to better meet the needs of today's grower. The innovative proprietary production process used to make the unique design and high performance product is like no other drip tape product on the market. Rivulis Reserve Drip Tape is the ideal drip tape solution for growers who want the best product for their crops. This innovative premium drip tape offers some significant benefits over what's traditionally been offered.

Rivulis S2000 Micro Sprinkler (Page 5.7)

The Rivulis S2000 Micro Sprinklers are ideal choices for a wide range of applications including short-term crops such as vegetables and long-term crops such as orchards. Built to last, the S2000 Micro Sprinkler incorporate solid bridges, built-in anti-insect protection, and a wear resistant design. In addition to the standard features, the S2000 Micro Sprinkler can be configured with add-on features like the spinner with integral range limiter for a smaller wetting diameter around young trees. The S2000 Micro Sprinkler can be installed in different ways including using a plastic stake, a metal stake, or a wire clip. The Rivulis S2000 Micro Sprinkler is also simple to maintain because it can be easily disassembled, allowing for both field maintenance and replacement of individual parts. You can always count on the flexibility and reliability of the Rivulis S2000 Micro Sprinkler to deliver the results you need.



Drip Lines

Applications

1 to 2 Seasons • 5-10+ Years (Multi-season)

Drip Irrigation Systems, using drip lines, are used in a variety of agriculture, greenhouses, and landscape applications. In agriculture, these systems are being used in orchards, field crops, and vegetables. The drip lines can be installed on top of the ground or subsurface (SDI). The applications tend to be multi-year for medium thickness walls and more than 10 years for the thick walled systems.



Drip Line Selection

Hydro PC Drip Line

Flow Regulating

Hydro PC Drip Lines use highly responsive floating diaphragms that regulate and maintain a constant flow rate at variable inlet pressures. Hydro PC is ideal for fields with sloping terrain or long run lengths. Because Hydro PC has a large cross-sectional labyrinth and self-cleaning mechanism, it's highly resistant to clogging. And with two outlets per dripper, Hydro PC will continue to deliver the right amount of water, throughout the entire field.



Hydro PCND Drip Line

Flow Regulating

Hydro PCND Drip Line contains flow-regulating cylindrical drippers with two outlets per dripper. Hydro PCND has highly responsive floating diaphragms which regulate and maintain a constant flow rate at variable inlet pressures. In addition to the flow regulation, Hydro PCND also has a non-drain feature. The water stops flowing through the drippers when the pressure drops to 1.45 PSI. The non-drain feature protects drip lines from sucking in small soil particles at system shut down, ideal for subsurface drip applications.



Hydrogol Drip Line

Hydrogol is a drip line manufactured in various diameters, wall thicknesses, flow rates, and dripper spacings. The Hydrogol drip line utilizes cylindrical drippers, designed with the largest cross-sectional labyrinth. This configuration provides a turbulent water flow which minimizes the formation of residues that may cause clogging.



Fittings

Drip Line Fittings

The Rivulis offering of drip line fittings included start or take-off fittings, couplers, reducers, and line ends. (Page 1.9)



Colors

Black

Standard color and most economical. The black hose provides long-term durability.



White

The Benefits of a 2-layer, white drip line is that it keeps the water temperature at a lower level compared to black drip lines. The preserved lower temperature helps to reduce bacteria growth and reduce harm that higher water temperatures can do to sensitive roots. In addition, the white color increases the visibility of the drip lines.



Tools

Simple Inserter

The Simple Inserter is used with PE manifolds. (Section 10)



Drill Bits

Used to drill holes in PVC manifolds. Use grommets when start connectors are inserted into PVC manifolds. (Section 10)



System Components

**Air Vents**

The Rivulis Air Valves help to protect the system and ensure proper operation, including reduction of soil ingestion upon system shut-down. (Section 8)

**Rivulis F2000 Media Filters**

F2000 Media Filters (gravel or sand) are the most efficient type of filtration of water heavily contaminated with algae, organic matter and other impurities found in open reservoirs, canals and recycled water systems. (Section 7)

**Hose**

The PE Hose & Tubing is offered in sizes from 1/2" to 1" in diameter. All of the PE Hose & Tubing products are made with high quality resins. (Section 6)

**Rivulis Metal Screen Filters**

Great for drip irrigation systems, the Rivulis metal screen filters have many modes of actuation including manual, electric, and hydraulic. Each of the Rivulis metal screen filters are offered in a variety of sizes, screens, and options. (Section 7)

Connecting to a manifold



Quick Reference Chart - Drip Lines

	Hydro PC	Hydro PCND	Hydrogol
Characteristics			
Special Features	Self-Flushing Mechanism		Largest Cross Section in the Flow Path
Dripper Types		Molded (Cylindrical)	
Flow Regulating	✓	✓	
Non-drain Models		✓	
Diameters	17, 18, 20 mm	17, 18, 20 mm	16, 18, 20 mm
Wall Thicknesses	45-47 mil	45-47 mil	45 mil
Flow Rates	0.32-0.95 gph	0.36-0.99 gph	0.26-2.11 gph
Standard Spacings	18-48 inches	18-48 inches	18-48 inches
Inlets	1	1	2
Outlet Types	Hole (2)	Hole (2)	Hole (2)
Color	Black, White	Black	Black, White
Operating Guidelines			
Standard Operating Pressure Range	12 to 50 PSI	12 to 50 PSI	15 PSI
Sealing Pressure		1.45 PSI	
Filtration Requirements		(≤0.320 gph) 150 mesh or 100 microns	
		(>0.320 gph) 120 mesh or 130 microns	
Fittings		Drip Line Fittings	

Reference Information

Common drip and micro irrigation formulas available in the appendix section on page A.15.

Hydro PC Flow Regulated Drip Line

Constant flow, at variable inlet pressures



Hydro PC Dripper

Hydro PC is a drip line made with flow-regulating cylindrical drippers which allows growers the ability to irrigate crops in a wide range of field conditions. Whether you're irrigating on a slope or long runs, you can count on Hydro PC to deliver. The Hydro PC drippers have highly responsive floating diaphragms that regulate and maintain a constant flow rate at variable inlet pressures. Hydro PC is ideal for fields with sloping terrain or long run lengths. Because Hydro PC has a large cross-sectional labyrinth and self-cleaning mechanism, it's highly resistant to clogging. And with two outlets per dripper, Hydro PC will continue to deliver the right amount of water, throughout the entire field. The Hydro PC is constructed with premium resins resistant to UV degradation and damage caused from commonly used chemicals and fertilizers.

Hydro PC 17 mm/45 mil

Hydro PC 17 mm / 45 mil (Black)

02

Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
Black •	45	12	0.58	1,000	101023040	50	\$145.38	MTO
Black •	45	18	0.32	1,000	101022370	50	\$130.73	MTO
Black •	45	18	0.42	1,000	101021901	50	\$130.73	MTO
Black •	45	18	0.58	1,000	101022375	50	\$130.73	MTO
Black •	45	18	0.95	1,000	101022377	50	\$130.73	MTO
Black •	45	24	0.32	1,000	101022371	50	\$122.56	MTO
Black •	45	24	0.42	1,000	101021903	50	\$122.56	MTO
Black •	45	24	0.58	1,000	101021904	50	\$122.56	MTO
Black •	45	24	0.95	1,000	101022378	50	\$122.58	MTO
Black •	45	30	0.42	1,000	101022372	50	\$117.67	MTO
Black •	45	30	0.58	1,000	101021906	50	\$117.67	MTO
Black •	45	30	0.95	1,000	101021911	50	\$117.67	MTO
Black •	45	36	0.42	1,000	101022373	50	\$114.39	MTO
Black •	45	36	0.58	1,000	101021908	50	\$114.39	MTO
Black •	45	36	0.95	1,000	101021912	50	\$114.39	MTO
Black •	45	42	0.42	1,000	101022374	50	\$111.74	MTO
Black •	45	42	0.58	1,000	101022772	50	\$112.17	MTO
Black •	45	42	0.95	1,000	101022379	50	\$111.76	MTO
Black •	45	48	0.58	1,000	101022376	50	\$110.12	MTO
Black •	45	48	0.95	1,000	101022380	50	\$110.12	MTO

Hydro PC 17 mm / 45 mil (White)

02

Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty*	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
White •	45	18	0.42	1,000	101038492	50	\$137.27	MTO
White •	45	18	0.58	1,000	101038666	50	\$137.27	MTO
White •	45	24	0.42	1,000	101023046	50	\$128.69	MTO
White •	45	24	0.58	1,000	101021905	50	\$128.69	MTO
White •	45	30	0.42	1,000	101023047	50	\$123.55	MTO
White •	45	30	0.58	1,000	101021907	50	\$123.55	MTO
White •	45	36	0.42	1,000	101023048	50	\$120.11	MTO
White •	45	36	0.58	1,000	101021909	50	\$120.11	MTO
White •	45	36	0.95	1,000	101021913	50	\$120.11	MTO
White •	45	42	0.58	1,000	101021910	50	\$117.35	MTO
White •	45	42	0.95	1,000	101022366	50	\$117.35	MTO
White •	45	48	0.58	1,000	101022365	50	\$115.63	MTO
White •	45	48	0.95	1,000	101022367	50	\$115.63	MTO

Key System Components



Air and Vacuum Valves
(Section 8)



Drip Line Fittings
(Section 1)

Tools



Simple Inserter
(Section 10)



Drill Bits
Used to drill holes in PVC manifolds. Use grommets when start connectors are inserted into PVC manifolds.
(Section 10)

Hydro PC 18 mm/45 mil

Hydro PC 18 mm / 45 mil (Black)

02

Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty*	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
Black •	45	12	0.58	1,000	101039179	50	\$147.88	MTO
Black •	45	12	0.95	1,000	101039185	50	\$147.88	MTO
Black •	45	18	0.32	1,000	101047803	50	\$139.60	MTO
Black •	45	18	0.42	1,000	101039172	50	\$139.60	MTO
Black •	45	18	0.58	1,000	101047843	50	\$139.60	MTO
Black •	45	18	0.95	1,000	101039186	50	\$139.60	MTO
Black •	45	24	0.32	1,000	101039167	50	\$131.16	MTO
Black •	45	24	0.42	1,000	101039173	50	\$131.16	MTO
Black •	45	24	0.58	1,000	101039181	50	\$131.16	MTO
Black •	45	24	0.95	1,000	101039187	50	\$131.16	MTO
Black •	45	30	0.42	1,000	101039174	50	\$126.03	MTO
Black •	45	30	0.58	1,000	101039182	50	\$126.03	MTO
Black •	45	30	0.95	1,000	101039188	50	\$126.03	MTO
Black •	45	36	0.42	1,000	101039175	50	\$122.62	MTO
Black •	45	36	0.58	1,000	101039183	50	\$122.62	MTO
Black •	45	36	0.95	1,000	101039189	50	\$122.62	MTO
Black •	45	42	0.42	1,000	101039178	50	\$119.92	MTO
Black •	45	42	0.58	1,000	101039184	50	\$119.92	MTO
Black •	45	42	0.95	1,000	101039190	50	\$119.92	MTO
Black •	45	48	0.58	1,000	101041714	50	\$116.34	MTO
Black •	45	48	0.95	1,000	101040537	50	\$118.24	MTO

Hydro PC 18 mm / 45 mil (White)

02

Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty*	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
White •	45	18	0.32	1,000	101047845	50	\$146.58	MTO
White •	45	18	0.42	1,000	101039201	50	\$146.58	MTO
White •	45	18	0.58	1,000	101047846	50	\$146.58	MTO
White •	45	18	0.95	1,000	101047847	50	\$146.58	MTO
White •	45	24	0.32	1,000	101039194	50	\$137.72	MTO
White •	45	24	0.42	1,000	101039202	50	\$137.72	MTO
White •	45	24	0.58	1,000	101039213	50	\$137.72	MTO
White •	45	24	0.95	1,000	101039219	50	\$137.72	MTO
White •	45	30	0.32	1,000	101039195	50	\$132.33	MTO
White •	45	30	0.42	1,000	101039204	50	\$132.33	MTO
White •	45	30	0.58	1,000	101039214	50	\$132.33	MTO
White •	45	30	0.95	1,000	101039220	50	\$132.33	MTO
White •	45	36	0.32	1,000	101039196	50	\$128.75	MTO
White •	45	36	0.42	1,000	101039206	50	\$128.75	MTO
White •	45	36	0.58	1,000	101039215	50	\$128.75	MTO
White •	45	36	0.95	1,000	101039221	50	\$128.75	MTO
White •	45	42	0.58	1,000	101039216	50	\$125.92	MTO
White •	45	42	0.95	1,000	101039222	50	\$125.92	MTO
White •	45	48	0.58	1,000	101041716	50	\$122.16	MTO
White •	45	48	0.95	1,000	101041715	50	\$122.16	MTO

Hydro PC 20 mm/47 mil

Hydro PC 20 mm / 47 mil (Black)

02

Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty*	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
Black •	47	18	0.32	1,000	101021914	50	\$156.44	MTO
Black •	47	18	0.42	1,000	101021915	50	\$156.44	MTO
Black •	47	18	0.58	1,000	101022384	50	\$156.41	MTO
Black •	47	18	0.95	1,000	101022390	50	\$156.45	MTO
Black •	47	24	0.32	1,000	101022463	50	\$147.25	MTO
Black •	47	24	0.42	1,000	101021916	50	\$147.25	MTO
Black •	47	24	0.58	1,000	101022385	50	\$147.25	MTO
Black •	47	24	0.95	1,000	101022391	50	\$147.26	MTO
Black •	47	30	0.42	1,000	101022381	50	\$141.63	MTO
Black •	47	30	0.58	1,000	101022386	50	\$141.63	MTO
Black •	47	30	0.95	1,000	101022392	50	\$141.65	MTO
Black •	47	36	0.42	1,000	101022382	50	\$137.91	MTO
Black •	47	36	0.58	1,000	101022387	50	\$137.91	MTO
Black •	47	36	0.95	1,000	101022393	50	\$137.93	MTO
Black •	47	42	0.42	1,000	101022383	50	\$135.00	MTO
Black •	47	42	0.58	1,000	101022388	50	\$135.01	MTO
Black •	47	42	0.95	1,000	101022394	50	\$135.01	MTO
Black •	47	48	0.58	1,000	101022389	50	\$133.10	MTO
Black •	47	48	0.95	1,000	101022395	50	\$133.10	MTO

Hydro PC 20 mm / 47 mil (White)

02

Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty*	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
White •	47	24	0.42	1,000	101023049	50	\$154.61	MTO
White •	47	24	0.58	1,000	101023052	50	\$154.61	MTO
White •	47	30	0.42	1,000	101023050	50	\$148.71	MTO
White •	47	30	0.58	1,000	101023053	50	\$148.71	MTO
White •	47	36	0.42	1,000	101023051	50	\$144.83	MTO
White •	47	36	0.58	1,000	101022368	50	\$144.83	MTO
White •	47	48	0.58	1,000	101022369	50	\$139.74	MTO

*Minimum order without a set-up charge. Rivulis accepts orders of 25-49 rolls with a \$250.00 set-up charge.

Hydro PCND Flow Regulated Drip Line

Added non-drain feature



Hydro PCND Dripper

Hydro PCND is a drip line containing flow-regulating cylindrical drippers. Hydro PCND has a highly responsive floating diaphragm which regulates and maintains a constant flow rate at variable inlet pressures. In addition to the flow regulation, Hydro PCND also has a non-drain feature. The water stops flowing through the emitters when the pressure drops to 1.45 PSI. The non-drain feature protects drip lines from ingesting small soil particles at system shut down in subsurface applications. And with two outlets per dripper, you can be sure that Hydro PCND will continue to deliver water to your crop. The Hydro PCND is the ideal choice for subsurface drip irrigation systems. Like the standard Hydro PC, it has a high clogging resistance due to the design and size of the emitter channel. And with the self-cleaning mechanism, the dripper continuously flushes small particles from the dripper. Hydro PCND is an excellent choice for pulse irrigation. The Hydro PCND is constructed with premium resins resistant to UV degradation and damage caused from commonly used chemicals and fertilizers.

Hydro PC 17 & 18 mm/45 mil

Hydro PCND 17 mm / 45 mil

02

Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty*	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
Black •	45	18	0.36	1,000	101022400	50	\$134.66	MTO
Black •	45	18	0.42	1,000	101022402	50	\$134.66	MTO
Black •	45	18	0.62	1,000	101022407	50	\$134.66	MTO
Black •	45	18	0.99	1,000	101022411	50	\$134.66	MTO
Black •	45	24	0.36	1,000	101022401	50	\$126.33	MTO
Black •	45	24	0.42	1,000	101022403	50	\$126.33	MTO
Black •	45	24	0.62	1,000	101021917	50	\$126.33	MTO
Black •	45	24	0.99	1,000	101022412	50	\$126.33	MTO
Black •	45	30	0.42	1,000	101022404	50	\$121.29	MTO
Black •	45	30	0.62	1,000	101022408	50	\$121.29	MTO
Black •	45	30	0.99	1,000	101021919	50	\$121.29	MTO
Black •	45	36	0.42	1,000	101022405	50	\$117.94	MTO
Black •	45	36	0.62	1,000	101021918	50	\$117.94	MTO
Black •	45	36	0.99	1,000	101021920	50	\$117.94	MTO
Black •	45	42	0.42	1,000	101022406	50	\$115.25	MTO
Black •	45	42	0.62	1,000	101022409	50	\$115.25	MTO
Black •	45	42	0.99	1,000	101022413	50	\$115.25	MTO
Black •	45	48	0.62	1,000	101022410	50	\$113.62	MTO
Black •	45	48	0.99	1,000	101022414	50	\$113.62	MTO

Hydro PCND 18 mm / 45 mil

02

Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty*	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
Black •	45	18	0.36	1,000	101047848	50	\$143.98	MTO
Black •	45	18	0.42	1,000	101039238	50	\$143.98	MTO
Black •	45	18	0.62	1,000	101047849	50	\$143.98	MTO
Black •	45	18	0.99	1,000	101047850	50	\$143.98	MTO
Black •	45	24	0.36	1,000	101039233	50	\$135.30	MTO
Black •	45	24	0.42	1,000	101039239	50	\$135.30	MTO
Black •	45	24	0.62	1,000	101039245	50	\$135.30	MTO
Black •	45	24	0.99	1,000	101039252	50	\$135.30	MTO
Black •	45	30	0.42	1,000	101039240	50	\$130.02	MTO
Black •	45	30	0.62	1,000	101039246	50	\$130.02	MTO
Black •	45	30	0.99	1,000	101039253	50	\$130.02	MTO
Black •	45	36	0.42	1,000	101039241	50	\$126.51	MTO
Black •	45	36	0.62	1,000	101039247	50	\$126.51	MTO
Black •	45	36	0.99	1,000	101039254	50	\$126.51	MTO
Black •	45	42	0.42	1,000	101039242	50	\$123.75	MTO
Black •	45	42	0.62	1,000	101039248	50	\$123.75	MTO
Black •	45	42	0.99	1,000	101039255	50	\$123.75	MTO

Key System Components



Air and Vacuum Valves
(Section 8)



Drip Line Fittings
(Section 1)

Tools



Simple Inserter
(Section 10)



Drill Bits
Used to drill holes in PVC manifolds. Use grommets when start connectors are inserted into PVC manifolds.
(Section 10)

Hydro PCND 20 mm/47 mil

Hydro PCND 20 mm / 47 mil (Black)

02

Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty*	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
Black •	47	18	0.36	1,000	101022415	50	\$161.52	MTO
Black •	47	18	0.46	1,000	101022417	50	\$161.52	MTO
Black •	47	18	0.62	1,000	101022422	50	\$161.52	MTO
Black •	47	18	0.95	1,000	101022428	50	\$161.52	MTO
Black •	47	24	0.36	1,000	101022416	50	\$152.03	MTO
Black •	47	24	0.46	1,000	101022418	50	\$152.03	MTO
Black •	47	24	0.62	1,000	101022423	50	\$152.03	MTO
Black •	47	24	0.95	1,000	101022429	50	\$152.03	MTO
Black •	47	30	0.46	1,000	101022419	50	\$146.24	MTO
Black •	47	30	0.62	1,000	101022424	50	\$146.24	MTO
Black •	47	30	0.95	1,000	101022430	50	\$146.24	MTO
Black •	47	36	0.46	1,000	101022420	50	\$142.36	MTO
Black •	47	36	0.62	1,000	101022425	50	\$142.36	MTO
Black •	47	36	0.95	1,000	101022431	50	\$142.36	MTO
Black •	47	42	0.46	1,000	101022421	50	\$139.41	MTO
Black •	47	42	0.62	1,000	101022426	50	\$139.41	MTO
Black •	47	42	0.95	1,000	101022432	50	\$139.41	MTO
Black •	47	48	0.62	1,000	101022427	50	\$137.40	MTO
Black •	47	48	0.95	1,000	101022433	50	\$137.40	MTO

*Minimum order without a set-up charge. Rivulis accepts orders of 25-49 rolls with a \$250.00 set-up charge.

Hydrogol Drip Line

Large cross sectional area



Hydrogol Drinker

Hydrogol is a drip line manufactured in various wall thicknesses, flow rates, and dripper spacings. The Hydrogol dripper is a cylindrical dripper, designed with dual filter inlets and a large cross section labyrinth. This configuration provides a turbulent water flow which minimizes the accumulation of particulates. Each Hydrogol is manufactured with two outlets in each dripper and with spacings between drippers from 6 inches and up. The additional outlet helps to eliminate the intrusion of small particles when the water is shut off in surface applications.

White Drip Lines - The major advantage of using the 2-layered, white drip line is its ability to maintain a lower water temperature inside the lines. The lower water temperature can reduce damage to sensitive roots and reduce the growth of bacteria inside the drip line. Additionally, the bright hose color increases the visibility of the hose, helping growers see the irrigation system and avoid mechanical damage.

Hydrogol 16 mm/45 mil

Hydrogol 16 mm / 45 mil (Black)

02

Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty*	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
Black •	45	12	0.53	1,000	101023030	50	\$113.39	MTO
Black •	45	18	0.26	1,000	101022444	50	\$105.19	MTO
Black •	45	18	0.53	1,000	101021893	50	\$105.19	MTO
Black •	45	18	1.06	1,000	101022447	50	\$105.19	MTO
Black •	45	24	0.26	1,000	101022445	50	\$102.54	MTO
Black •	45	24	0.53	1,000	101021894	50	\$102.54	MTO
Black •	45	24	1.06	1,000	101022448	50	\$102.54	MTO
Black •	45	24	2.11	1,000	101022451	50	\$102.54	MTO
Black •	45	30	0.53	1,000	101021895	50	\$100.97	MTO
Black •	45	30	1.06	1,000	101022449	50	\$100.97	MTO
Black •	45	30	2.11	1,000	101022452	50	\$100.97	MTO
Black •	45	36	0.53	1,000	101021896	50	\$99.82	MTO
Black •	45	36	1.06	1,000	101021897	50	\$99.82	MTO
Black •	45	36	2.11	1,000	101022453	50	\$99.82	MTO
Black •	45	42	0.53	1,000	101022446	50	\$99.00	MTO
Black •	45	42	1.06	1,000	101022450	50	\$99.00	MTO
Black •	45	42	2.11	1,000	101022454	50	\$99.00	MTO
Black •	45	48	2.11	1,000	101022455	50	\$98.52	MTO

Hydrogol 16 mm / 45 mil (White)

02

Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty*	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
White •	45	24	0.53	1,000	101023034	50	\$107.67	MTO
White •	45	30	0.53	1,000	101023035	50	\$106.02	MTO
White •	45	36	0.53	1,000	101023036	50	\$104.81	MTO

Note: Standard drip lines can be ordered in white, contact Customer Service for details on custom products.

Key System Components



Air and Vacuum Valves
(Section 8)



Drip Line Fittings
(Section 1)

Tools



Simple Inserter
(Section 10)



Drill Bits
Used to drill holes in PVC manifolds. Use grommets when start connectors are inserted into PVC manifolds.
(Section 10)

Hydrogol 18 mm/45 mil

Hydrogol 18 mm / 45 mil (Black)								02
Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty*	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
Black •	45	12	0.53	1,000	101023030	50	\$113.39	MTO
Black •	45	18	0.26	1,000	101022444	50	\$105.19	MTO
Black •	45	18	0.53	1,000	101021893	50	\$105.19	MTO
Black •	45	18	1.06	1,000	101022447	50	\$105.19	MTO
Black •	45	24	0.26	1,000	101022445	50	\$102.54	MTO
Black •	45	24	0.53	1,000	101021894	50	\$102.54	MTO
Black •	45	24	1.06	1,000	101022448	50	\$102.54	MTO
Black •	45	24	2.11	1,000	101022451	50	\$102.54	MTO
Black •	45	30	0.53	1,000	101021895	50	\$100.97	MTO
Black •	45	30	1.06	1,000	101022449	50	\$100.97	MTO
Black •	45	30	2.11	1,000	101022452	50	\$100.97	MTO
Black •	45	36	0.53	1,000	101021896	50	\$99.82	MTO
Black •	45	36	1.06	1,000	101021897	50	\$99.82	MTO
Black •	45	36	2.11	1,000	101022453	50	\$99.82	MTO
Black •	45	42	0.53	1,000	101022446	50	\$99.00	MTO
Black •	45	42	1.06	1,000	101022450	50	\$99.00	MTO
Black •	45	42	2.11	1,000	101022454	50	\$99.00	MTO
Black •	45	48	2.11	1,000	101022455	50	\$98.52	MTO

Hydrogol 18 mm / 45 mil (White)								02
Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty*	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
White •	45	24	0.57	1,000	101040285	50	\$118.37	MTO
White •	45	30	0.57	1,000	101040286	50	\$116.82	MTO
White •	45	36	0.57	1,000	101040287	50	\$115.79	MTO

Hydrogol 20 mm/45 mil

Hydrogol 20 mm / 45 mil (Black)								02
Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty*	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
Black •	45	18	0.32	1,000	101022456	50	\$128.18	MTO
Black •	45	18	0.53	1,000	101022458	50	\$128.18	MTO
Black •	45	18	1.06	1,000	101022467	50	\$128.18	MTO
Black •	45	24	0.32	1,000	101022457	50	\$124.56	MTO
Black •	45	24	0.53	1,000	101021898	50	\$124.56	MTO
Black •	45	24	1.06	1,000	101022468	50	\$124.56	MTO
Black •	45	30	0.53	1,000	101021899	50	\$122.49	MTO
Black •	45	30	1.06	1,000	101022469	50	\$122.49	MTO
Black •	45	36	0.53	1,000	101022465	50	\$121.03	MTO
Black •	45	36	1.06	1,000	101021900	50	\$121.03	MTO
Black •	45	42	0.53	1,000	101022466	50	\$119.92	MTO
Black •	45	42	1.06	1,000	101022771	50	\$119.92	MTO

Hydrogol 20 mm / 45 mil (White)								02
Hose Color	Wall	Spac.	Flow Rate	Roll Length	Item Number	Min. Order Qty*	Price	Order Status
	(mil)	(inch)	(gph)	(ft)			(roll)	
White •	45	24	0.53	1,000	101023037	50	\$130.79	MTO
White •	45	30	0.53	1,000	101023039	50	\$128.61	MTO
White •	45	36	0.53	1,000	101023038	50	\$127.08	MTO

*Minimum order without a set-up charge. Rivulis accepts orders of 25-49 rolls with a \$250.00 set-up charge.

Drip Line Fittings

Drip Line Fittings and Accessories

Drip Line Fittings

06

Image	Description	Item Number	Min. Order Qty	Qty (bag)	Qty (box)	Price (ea)	Price (bag)	Price (box)	Order Status
Start Connectors									
	Barbed Green Start Connector 16 mm	101001885	500	500	2,500	\$0.26	\$130.00	\$650.00	ST
1	Barbed Green Start Connector 17 mm	101003837	500	500	2,000	\$0.35	\$175.00	\$700.00	ST
	Barbed Black Start Connector 20 mm	101001884	500	500	1,500	\$0.33	\$165.00	\$495.00	ST
2	Grommet for Start Connector (drip lines)	101001886	1,000	1,000	6,000	\$0.13	\$130.00	\$780.00	ST
Insert Couplings									
	Barbed Black Coupling 12x12	101001887	500	500	2,500	\$0.23	\$115.00	\$575.00	ST
3	Barbed Green Coupling 16x16	101001889	500	500	2,000	\$0.25	\$125.00	\$500.00	ST
	Barbed Green Coupling 17x17	101001965	500	500	1,500	\$0.36	\$180.00	\$540.00	ST
	Barbed Black Coupling 20x20	101001888	500	500	1,000	\$0.36	\$180.00	\$360.00	ST
Insert Reducers									
	Reducing Barbed Green Coupling 16x12	101003908	500	500	2,000	\$0.27	\$135.00	\$540.00	ST
4	Reducing Barbed Green Coupling 17x16	101001970	500	500	1,500	\$0.35	\$175.00	\$525.00	ST
	Reducing Barbed Green Coupling 20x16	101003888	500	500	1,000	\$0.34	\$170.00	\$340.00	ST
	Reducing Barbed Green Coupling 20x17	101003895	500	500	1,000	\$0.37	\$185.00	\$370.00	ST
Line End Clamps									
5	Line End 16 mm	101045208	500	500	1,500	\$0.18	\$88.00	\$264.00	ST
	Line End 17-18 mm	101045209	500	500	1,500	\$0.18	\$88.00	\$264.00	ST
	Line End 20 mm	101045210	500	500	1,500	\$0.18	\$92.00	\$276.00	ST



1



2



3



4



5



Drip Tapes

Applications

Open Fields • Row Crops

The Rivulis lines of drip tape include D5000 (Flow Regulated), Hydrodrip, Rivulis Reserve, Ro-Drip, T-Tape, and T-Tape⁵. Each of these drip tapes has several unique features that make them the ideal choice for different applications. The drip tapes wall thicknesses range from 5 mil to 15 mil.



Drip Tape Selection

D5000 Flow Regulated Drip Tape

The D5000 Flow Regulated Drip Tape utilizes a universal flat dripper that can be integrated in several diameters of line and wall thickness configurations.

Engineered to resist clogging, the D5000's design incorporates both multiple inlet filters and a dripper labyrinth with a large cross section. And with the accurate flow regulation, the D5000 Drip Tape is the ideal choice for long runs or sloping terrain.

Hydrodrip Drip Tape

Hydrodrip Drip Tape is the ideal drip tape solution for crops requiring the combination of wide dripper spacing, low flow rates, and excellent uniformity in long run lengths. The dripper is engineered with a highly effective filter inlet system and a turbulent flow path, reducing the chance of plugging and helping to maintain peak performance. Because the Hydrodrip Dripper is flat, it is a good choice for manual or mechanized layout and retrieval. And with its flap outlet, Hydrodrip Drip Tape reduces the ingestion of soil on system shutdown when used in a subsurface application. The Hydrodrip Drip Tape is made with an injection molded dripper which produces excellent uniformity.

Rivulis Reserve Drip Tape

Rivulis Reserve is a premium drip tape product designed to better meet the needs of today's grower. The innovative proprietary production process used to make the unique design and high performance product is like no other drip product on the market. Rivulis Reserve Drip Tape is the ideal drip tape solution for growers who want the best product for their crops.

Ro-Drip Drip Tape

Ro-Drip Drip Tape provides a reliable, cost-effective solution for all your subsurface and above ground drip irrigation needs. Ro-Drip is specifically engineered to deliver uniform flow rates while addressing the most difficult maintenance issue faced by drip growers today: blockage during high contaminant conditions. Our patented Ro-Drip design employs two independent anti-plugging systems: Vortex Flow Action, which resists clogs by keeping particulates in suspension; and our exclusive Expanding Flow Channel, which reacts to blockages by actually changing shape, often purging even the toughest particulate build-up.

T-Tape Drip Tape

T-Tape Drip Tape can be installed on the ground, under plastic, or even subsurface. And with the white stripe, it's easy to see if the tape is installed correctly. Because of T-Tape's material strength, design, and quality production standards, it's the drip tape that you can count on year after year. T-Tape is available in a wide assortment of configurations, including various diameters, lengths, wall thickness, emitter spacings and flow rates.

T-Tape⁵ Drip Tape

T-Tape⁵ Drip Tapes are engineered to have ultra low and low flow rates used for applications with longer fields or rotated crops. Additionally, the T-Tape⁵ Drip Tape models have great tensile strength to help in installation and extraction of the tape in difficult applications. T-Tape⁵ Drip Tape models are ideal choices for crops such as garlic, cotton, and onions.

Tools

**Drill Bits**

Used to drill holes in PVC manifolds. Use grommets when start connectors are inserted into PVC manifolds. (Section 10)

**Hole Punches**

To insert Pro-Grip fittings into PE Max-Flat or Hose use either the B400 Hole punch or B700 Hole Punch. These hole punch tools create the hole and insert the fitting in one step.

**Layflat Cutters**

The Layflat cutters are available in 14, 16, and 19 mm sizes. The 19 mm Layflat cutter is designed to work with the Pro-Grip layflat take-off fittings.

**Layflat Spanner and Tee Hex Wrenches**

The Spanner and Tee Hex Wrenches help to make installations easier with Pro-Grip Layflat fittings into layflat hoses.

System Components

**Air Vents**

The Rivulis Air Valves help to protect the system and ensure proper operation, including reduction of soil ingestion upon system shut-down. (Section 8)

**Max-Flat Hose**

Max-Flat Hose is the most versatile hose available for submain or water transfer applications. The combination of toughness, ease-of-use, and portability makes Max-Flat Hose the right choice for commercial growers everywhere.

**F2000 Media Filters**

F2000 Media Filters (gravel or sand) are the most efficient type of filtration of water heavily contaminated with algae, organic matter and other impurities found in open reservoirs, canals and recycled water systems.

**Layflat**

Pro-Flat Premium PVC Layflat and The T-Tape Layflat are made with premium resins which allow the product to withstand the tough farming conditions. Pro-Flat resists elongation and rotation and T-Tape Layflat is made with homogenous construction.

**Hose**

The PE Hose & Tubing is offered in sizes from 1/2" to 1" in diameter. All of the PE Hose & Tubing products are made with high quality resins. (Section 6)

**F3200 Metal Screen Filters with Hydraulic Operation**

Great for drip irrigation systems, the F3200 Metal Screen Filter with Hydraulic Operation is highly efficient and self-cleaning. The filters continue to operate during flushing and utilize a small amount of water during flushing, making the filters very efficient. (Page 7.12)

Quick Reference Chart - Drip Tapes

	D5000	Hydrodrip	Rivulis Reserve	Ro-Drip	T-Tape	T-Tape ^s
Characteristics						
Special Features	Flow Regulation and Slit Outlet Combination	Flow Uniformity	Top Performance	Plug Resistance	Slit Outlet	Ultra Low and Low Flows
Flow Regulation	✓					
Dripper Types	Molded Drinker (Flat)		Formed Channel (Flow Path)			
Diameters	5/8", 7/8"			5/8", 7/8", (1 1/8", 1 3/8" Custom)		5/8", 7/8"
Wall Thicknesses	15 mil	10-15 mil	5-8 mil	5-10 mil	5-15 mil	5-8 mil
Flow Rates (Per Drinker)	0.170 - 0.26 gpm	0.15-0.320 gpm	0.075-0.30 gpm	0.13-0.27 gpm	0.13-0.40 gpm	0.07-0.13 gpm
Flow Rates (Per 100 ft.)	0.14-0.43 gpm/100 ft.	0.13-0.53 gpm/100 ft.	0.25-0.75 gpm/100 ft.	0.25-1.0 gpm/100 ft.	0.17-1.34 gpm/100 ft.	0.17-0.27 gpm/100 ft.
Standard Spacings	12, 18, 24 inches	12, 16, 18, 24 inches	6, 8, 12 inches	4, 8, 12, 16 inches	4, 6, 8, 12, 16, 30 inches	6, 8, 9, 12 inches
Outlet Types	Slit Outlet	Flap Outlet	Slit	Raised Hole	Slit	Slit
Operating Guidelines						
Standard Operating Pressure	8-25 PSI	8 PSI	10 PSI		8 PSI	
Filtration Requirements	<0.08 gph - 270 mesh (53 microns)					
	0.08 - 0.170 gph - 200 mesh (80 microns)					
	0.180-0.320 gph - 150 mesh (100 microns)					
	>0.320 gph - 120 mesh (130 microns)					
Fittings	Pro-Grip Drip Tape Fittings					

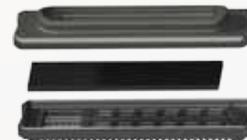
Reference Information

Common drip and micro irrigation formulas available in the appendix section on page A.15.



D5000 Flow Regulated Drip Tape

Flat Dripper



D5000 Flow Regulated Drip Tape

The D5000 Flow Regulated Drip Tape utilizes a universal flat dripper that can be integrated in several diameters of line and wall thickness configurations. Engineered to resist clogging, the D5000's design incorporates both multiple inlet filters and a dripper labyrinth with a large cross section. And with the accurate flow regulation, the D5000 Drip Tape is the ideal choice for long runs or sloping terrain. From row crops to field crops, you can find the D5000 Flow Regulated Drip Tapes delivering the right amount of water, where you need it.

D5000 5/8"

D5000 Flow Regulated Drip Tape - 5/8"

02

Wall (mil)	Spacing (inch)	Flow Rate			Roll Length (ft)	Item Number	Min. Order Qty (roll)	Price (roll)	Order Status
		(gpm/100 ft.)	(gph/100 ft.)	(gph/dripper)					
15	12	0.28	17.0	0.17	2,625	101048608	16	\$278.49	MTO*
15	12	0.43	26.0	0.26	2,625	101048609	16	\$278.49	MTO*
15	18	0.19	11.3	0.17	2,625	101048010	16	\$250.18	MTO*
15	18	0.29	17.3	0.26	2,625	101048610	16	\$237.75	MTO*
15	24	0.14	8.5	0.17	2,625	101048011	16	\$228.62	MTO*
15	24	0.22	13.0	0.26	2,625	101048611	16	\$217.25	MTO*

MTO* - Product may be available in stock, please contact Customer Service for availability

Key System Components



Air and Vacuum Valves
(Section 8)



Pro-Grip Layflat x 5/8" Tape
Fittings (Section 2)



Pro-Grip B400 x 5/8" or
7/8" Tape Fittings (Section 2)



Punch for B400 Barb
Used to insert B400 barb
fittings into PE Hose
(Section 10)



Layflat Cutter 19 mm
Used to create hole for Pro-
Grip Layflat fittings.
(Section 10)



Drill Bits
Used to drill holes in PVC
manifolds. Use grommets
when start connectors are
inserted into PVC manifolds.
(Section 10)

Tools

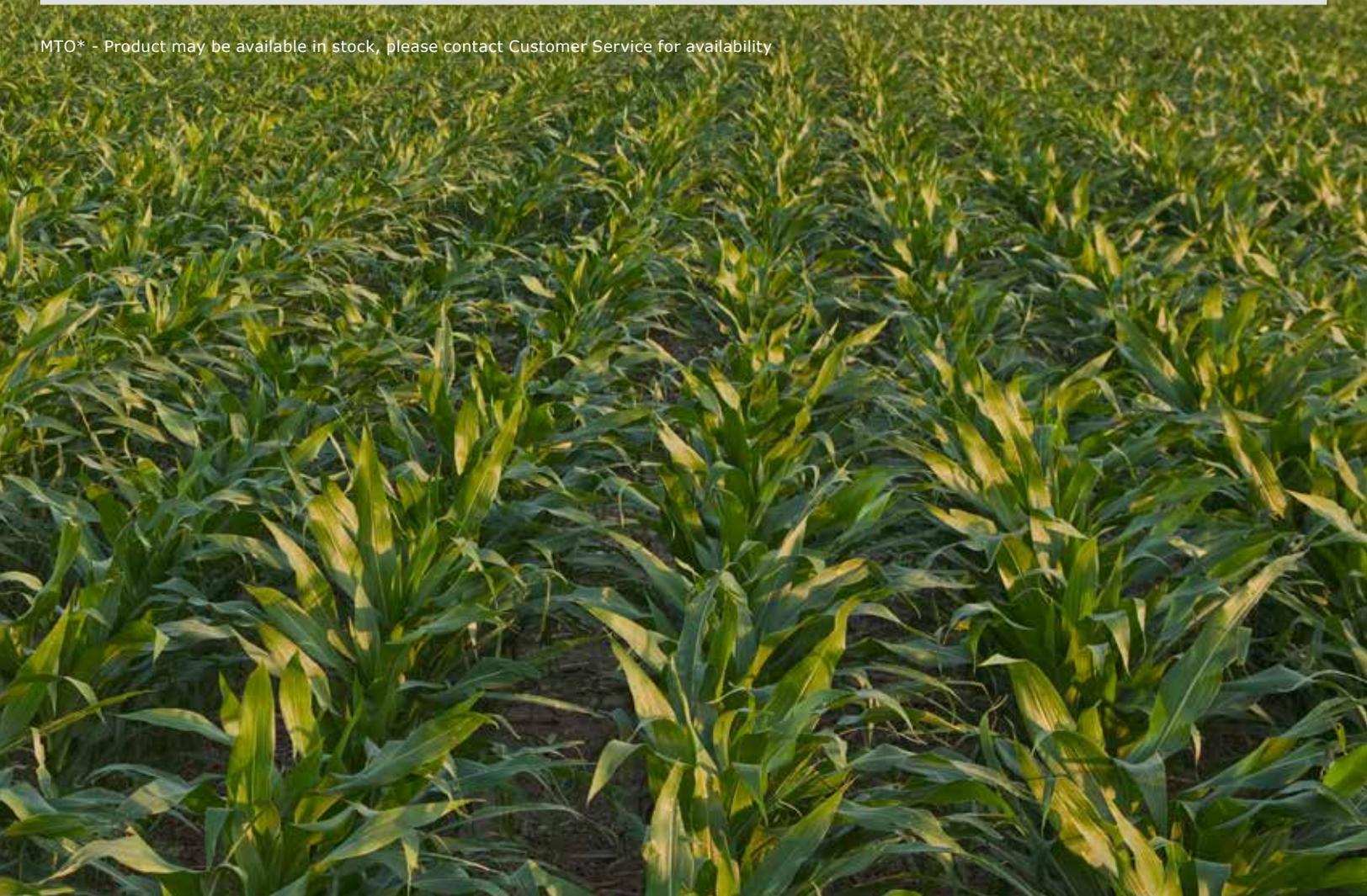
D5000 7/8"

D5000 Flow Regulated Drip Tape - 7/8"

02

Wall (mil)	Spacing (inch)	Flow Rate (gpm/100 ft.) (gph/100 ft.) (gph/dripper)	Roll Length (ft)	Item Number	Min. Order Qty (roll)	Price (roll)	Order Status
15	12	0.28 17.0	2,625	101048612	16	\$313.63	MTO*
15	12	0.43 26.0	2,625	101048613	16	\$313.63	MTO*
15	18	0.19 11.3	2,625	101048012	16	\$287.17	MTO*
15	18	0.29 17.3	2,625	WT12859	16	\$287.17	MTO*
15	24	0.14 8.5	2,625	101048147	16	\$265.55	MTO*
15	24	0.22 13.0	2,625	WT14988	16	\$265.55	MTO*

MTO* - Product may be available in stock, please contact Customer Service for availability



Hydrodrip Drip Tape

Flat Dripper



Hydrodrip Drip Tape

Hydrodrip Drip Tape is the ideal drip tape solution for crops requiring the combination of wide dripper spacing, low flow rates, and excellent uniformity in long run lengths. The dripper is engineered with a highly effective filter inlet system and a turbulent flow path, reducing the chance of plugging and helping to maintain peak performance. And with its flap outlet, Hydrodrip Drip Tape reduces the ingestion of soil on system shutdown when used in a subsurface application. The Hydrodrip Drip Tape is made with an injection molded dripper which produces excellent uniformity. Because the Hydrodrip Dripper is flat, it is a good choice for manual or mechanized layout and retrieval. Hydrodrip Drip Tape is available in several diameters, wall thicknesses, dripper spacings, and flow rates to meet the needs of your crop.

Hydrodrip 5/8"

Hydrodrip Drip Tape - 5/8"

02

Wall (mil)	Spacing		Flow Rate		Roll Length (ft)	Item Number	Min. Order Qty (roll)	Price (roll)	Order Status
	(inch)	(gpm/100 ft.)	(gph/100 ft.)	(gph/dripper)					
10	12	0.25	15.0	0.15	7,218	WT12534	160	\$324.23	CP
10	12	0.40	24.0	0.24	7,218	WT15022	160	\$324.23	CP
10	12	0.53	31.8	0.32	7,218	WT15026	160	\$324.23	CP
10	16	0.19	11.4	0.15	7,218	WT15019	160	\$297.21	CP
10	16	0.30	18.0	0.24	7,218	WT15023	160	\$297.21	CP
10	16	0.40	24.0	0.32	7,218	WT15027	160	\$297.21	CP
10	20	0.15	9.0	0.15	7,218	WT15020	160	\$256.68	CP
10	20	0.24	14.4	0.24	7,218	WT15024	160	\$256.68	CP
10	20	0.32	19.2	0.32	7,218	WT15028	160	\$256.68	CP
15	18	0.17	10.0	0.15	4,265	101048158	16	\$263.26	MTO*
15	24	0.13	7.5	0.15	4,265	101048159	16	\$259.53	MTO*

MTO* - Product may be available in stock, please contact Customer Service for availability

Key System Components



Air and Vacuum Valves
(Section 8)



Pro-Grip Layflat x 5/8" Tape
Fittings (Section 2)



Pro-Grip B400 x 5/8" or
7/8" Tape Fittings (Section
2)



Punch for B400 Barb
Used to insert B400 barb
fittings into PE Hose
(Section 10)



Layflat Cutter 19 mm
Used to create hole for Pro-
Grip Layflat fittings.
(Section 10)



Drill Bits
Used to drill holes in PVC
manifolds. Use grommets
when start connectors are
inserted into PVC manifolds.
(Section 10)

Tools

Hydrodrip 7/8"

Hydrodrip Drip Tape - 7/8"

02

Wall (mil)	Spacing (inch)	Flow Rate (gpm/100 ft.) (gph/100 ft.)	Flow Rate (gph/dripper)	Roll Length (ft)	Item Number	Min. Order Qty (roll)	Price (roll)	Order Status	
15	18	0.17	10.0	0.15	3,281	101048160	16	\$240.42	MTO*
15	24	0.13	7.5	0.15	3,281	101048161	16	\$237.48	MTO*

MTO* - Product may be available in stock, please contact Customer Service for availability



Rivulis Reserve Drip Tape

High Performance, Premium Drip Tape

Rivulis
RESERVE
 drip tape

Uncommon Focus



Focused on the Results

There is a certain type of grower who continues to discover new ways, outdoing what's typical in the industry. This grower is focused on innovations that help him achieve greater results; in quality, consistency, and quantity. Each decision he makes supports his goal of better outcomes and separates him from the norm.

Rivulis Reserve Drip Tape was developed for this grower. Utilizing multiple innovations, Rivulis Reserve Drip Tape delivers unparalleled results for growers. The combination of innovations in Rivulis Reserve Drip Tape sets it apart from the common.

Precision Targeted

Whether growing tomatoes or strawberries, enhanced consistency in application of water and nutrients in each field throughout the entire operation drives greater revenues. Rivulis Reserve Drip Tape is outstanding in its ability to perform in the field and in every field. New technology gives Rivulis Reserve Drip Tape uncommon results in uniformity across all flow rates. Each roll and each model provides the same high precision target throughout your field.



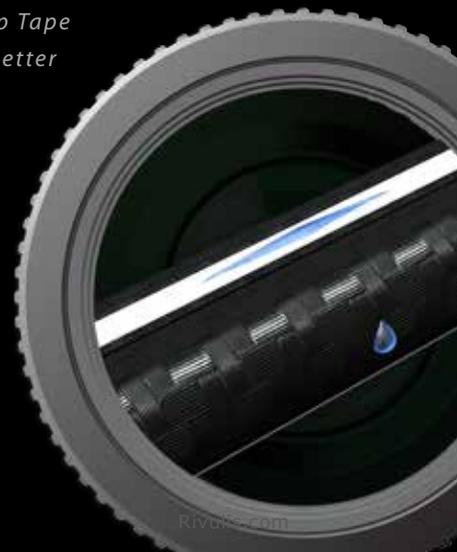
Zeroed in on Performance

The most knowledgeable growers understand that the performance of their drip tape has a significant effect on the cost of many inputs and in the end, yields. It's not just about working, but about outperforming others. Growers know that zeroing in on performance can pay great dividends. The Rivulis Reserve Drip Tape product line is all about performance. The manufacturing technology used in Reserve Drip Tape allows Rivulis Irrigation to zero in on precision like no other drip tape. Rivulis Reserve Drip Tape delivers more consistent and reliable performance to zero in on better results.



Strength as a Focal Point

As the old adage goes, time is money. And spending extra time in the field working with your drip tape costs time and money. More efficient installations and extractions free up valuable hours for other operations on the farm. Rivulis Reserve Drip Tape is incredibly strong and robust, and resists stretching, twisting and deformation. The benefits of this strength range from faster installations to greater irrigation precision. Because Rivulis Reserve is so strong, it operates with a higher standard operating pressure and comes with a longer warranty.



Rivulis Reserve is a premium drip tape product designed to better meet the needs of today's grower. The innovative proprietary production process used to make the unique design and high performance product is like no other drip product on the market. Rivulis Reserve Drip Tape is the ideal drip tape solution for growers who want the best product for their crops. This innovative premium drip tape offers some significant benefits over what's traditionally been offered.

Rivulis Reserve 5/8"

Rivulis Reserve Drip Tape - 5/8"

02

Wall (mil)	Spacing (inch)	Flow Rate (gph/100 ft.)	Flow Rate @ 10 PSI (gpm/100 ft.)	Flow Rate (gph/dripper)	Roll Length (ft)	Item Number	Min. Order Qty (roll)	Price (roll)	Order Status
5	8	45	0.75	0.30	12,000	101047565	80	\$367.54	CP
5	12	30	0.50	0.30	12,000	101047567	80	\$367.54	CP
6	8	45	0.75	0.30	10,000	101047573	80	\$361.40	CP
6	12	30	0.50	0.30	10,000	101047575	80	\$361.40	CP
8	8	23	0.38	0.15	7,546	101047579	80	\$323.91	CP

Rivulis Reserve 7/8"

Rivulis Reserve Drip Tape - 7/8"

02

Wall (mil)	Spacing (inch)	Flow Rate (gph/100 ft.)	Flow Rate (gpm/100 ft.)	Flow Rate (gph/dripper)	Roll Length (ft)	Item Number	Min. Order Qty (roll)	Price (roll)	Order Status
6	6	15	0.25	0.075	7,380	101047585	80	\$352.76	CP

Uncommon Focus



Ro-Drip Drip Tape

Two independent anti-plugging systems



Ro-Drip Drip Tape

Ro-Drip Drip Tape provides a reliable, cost-effective solution for all your subsurface and above ground drip irrigation needs. Ro-Drip Drip Tape is specifically engineered to deliver uniform flow rates while addressing the most difficult maintenance issue faced by drip growers today; blockage during high contaminant conditions. Our patented Ro-Drip Drip Tape design employs two independent anti-plugging systems: Vortex Flow Action, which resists clogs by keeping particulates in suspension; and our exclusive Expanding Flow Channel, which reacts to blockages by actually changing shape, often purging even the toughest particulate build-up. Additionally, our patented manufacturing process creates a precision-molded flow channel with a large cross section, which can pass larger particulates and deliver the uniform flow rates you demand.

Ro-Drip 5/8"

Ro-Drip Drip Tape - 5/8"

02

Common Description	Wall	Spacing	Flow Rate			Roll Length	Item Number	Min. Order Qty	Price	Order Status
	(mil)	(inch)	(gpm/100 ft.)	(gph/100 ft.)	(gph/dripper)	(ft)				
RD5-05-04-40	5	4	0.67	40	0.13	12,500	101001195	1	\$294.56	ST
RD5-05-08-20	5	8	0.33	20	0.13	12,500	101001198	1	\$294.56	ST
RD5-05-08-27	5	8	0.45	27	0.18	12,500	101001199	1	\$294.56	ST
RD5-05-08-40	5	8	0.67	40	0.27	12,500	101001200	1	\$294.56	ST
RD5-05-12-15	5	12	0.25	15	0.15	12,500	101001201	16	\$294.56	MTO
RD5-05-12-24	5	12	0.40	24	0.24	12,500	101001202	16	\$294.56	MTO
RD5-06-04-40	6	4	0.67	40	0.13	10,000	101001203	1	\$293.73	ST
RD5-06-04-60	6	4	1.00	60	0.20	10,000	101001204	1	\$293.73	ST
RD5-06-08-20	6	8	0.33	20	0.13	10,000	101001209	16	\$293.73	MTO
RD5-06-08-27	6	8	0.45	27	0.18	10,000	101001210	16	\$293.73	MTO
RD5-06-08-40	6	8	0.67	40	0.27	10,000	101001211	1	\$293.73	ST
RD5-06-12-15	6	12	0.25	15	0.15	10,000	101001213	16	\$293.73	MTO
RD5-06-12-24	6	12	0.40	24	0.24	10,000	101001214	1	\$293.73	ST
RD5-08-04-40	8	4	0.67	40	0.13	7,500	101001218	1	\$259.70	ST
RD5-08-04-60	8	4	1.00	60	0.20	7,500	101001220	1	\$259.70	ST
RD5-08-08-20	8	8	0.33	20	0.13	7,500	101001223	1	\$259.70	ST
RD5-08-08-27	8	8	0.45	27	0.18	7,500	101001224	16	\$259.70	MTO
RD5-08-08-40	8	8	0.67	40	0.27	7,500	101001228	1	\$259.70	ST
RD5-08-12-15	8	12	0.25	15	0.15	7,500	101001229	16	\$259.70	MTO
RD5-08-12-24	8	12	0.40	24	0.24	7,500	101001232	1	\$259.70	ST
RD5-08-16-20	8	16	0.33	20	0.27	7,500	101001234	16	\$259.70	MTO
RD5-10-12-24	10	12	0.40	24	0.24	6,000	101001237	1	\$244.36	ST

Key System Components



Air and Vacuum Valves
(Section 8)



Pro-Grip Layflat x 5/8" Tape
Fittings (Section 2)



Pro-Grip B400 x 5/8" or
7/8" Tape Fittings (Section 2)



Punch for B400 Barb
Used to insert B400 barb
fittings into PE Hose
(Section 10)



Layflat Cutter 19 mm
Used to create hole for
Pro-Grip Layflat fittings.
(Section 10)



Drill Bits
Used to drill holes in PVC
manifolds. Use grommets
when start connectors are
inserted into PVC manifolds.
(Section 10)

Tools

Ro-Drip 7/8"

Ro-Drip Drip Tape - 7/8"

02

Common Description	Wall	Spacing	Flow Rate			Roll Length	Item Number	Min. Order Qty	Price	Order Status
	(mil)	(inch)	(gpm/100 ft.)	(gph/100 ft.)	(gph/dripper)	(ft)		(roll)	(roll)	
RD7-08-08-40	8	8	0.67	40	0.16	5,700	101001263	1	\$251.46	ST
RD7-08-12-15	8	12	0.25	15	0.15	5,700	101001264	16	\$251.46	MTO
RD7-08-12-24	8	12	0.40	24	0.24	5,700	101001265	1	\$251.46	ST



T-Tape Drip Tape

Most recognized and trusted drip tape



T-Tape Drip Tape

One of the most recognized and trusted drip tape brands in the world, T-Tape Drip Tape is used in a variety of crops around the world to help reduce water consumption, increase crop quality, and increase crop yields. T-Tape Drip Tape can be installed on the ground, under plastic, or even subsurface. And with the white stripe, it's easy to see if the tape is installed correctly. Because of T-Tape's material strength, design, and quality production standards, it's the drip tape that you can count on year after year. T-Tape is available in a wide assortment of configurations, including various lengths, wall thicknesses, emitter spacings and flow rates. Helping growers match individual growing situations with maximum yield benefits.

T-Tape - 5/8"

T-Tape Drip Tape - 5/8"

02

Common Description	Wall	Spacing	Flow Rate			Roll Length	Item Number	Min. Order Qty	Price	Order Status
	(mil)	(inch)	(gpm/100 ft.)	(gph/100 ft.)	(gph/dripper)	(ft)		(roll)	(roll)	
505-04-1.00	5	4	1.00	60	0.20	12,000	101045765	1	\$294.03	ST
505-06-670	5	6	0.67	40	0.20	12,000	101001663	1	\$294.03	ST
505-08-340	5	8	0.34	20	0.14	12,000	101001471	1	\$294.03	ST
505-08-450	5	8	0.45	27	0.18	12,000	101001472	16	\$294.03	MTO
505-08-500	5	8	0.50	30	0.20	12,000	101001473	1	\$294.03	ST
505-08-670	5	8	0.67	40	0.27	12,000	101001474	1	\$294.03	ST
505-12-450	5	12	0.45	27	0.27	12,000	101001477	1	\$294.03	ST
506-04-1.00	6	4	1.00	60	0.20	10,000	101008273	1	\$289.12	ST
506-06-450	6	6	0.45	27	0.14	10,000	101001043	16	\$289.12	MTO
506-06-670	6	6	0.67	40	0.20	10,000	101001679	1	\$289.12	ST
506-08-340	6	8	0.34	20	0.14	10,000	101001479	1	\$289.12	ST
506-08-500	6	8	0.50	30	0.20	10,000	101001480	1	\$289.12	ST
506-08-670	6	8	0.67	40	0.27	10,000	101001481	1	\$289.12	ST
506-12-340	6	12	0.34	20	0.20	10,000	101001485	1	\$289.12	ST
506-12-450	6	12	0.45	27	0.27	10,000	101001488	1	\$289.12	ST
506-16-340	6	16	0.34	20	0.27	10,000	101001691	16	\$289.12	MTO
508-04-1.00	8	4	1.00	60	0.20	7,500	101001490	1	\$259.13	ST
508-04-450	8	6	0.45	27	0.14	7,500	101001045	16	\$259.13	MTO
508-08-340	8	8	0.34	20	0.14	7,500	101001492	1	\$259.13	ST
508-08-500	8	8	0.50	30	0.20	7,500	101001869	1	\$259.13	ST
508-04-670	8	8	0.67	40	0.27	7,500	101001494	1	\$259.13	ST
508-12-220	8	12	0.22	13	0.13	7,500	101001497	1	\$259.13	ST
508-12-340	8	12	0.34	20	0.20	7,500	101001499	1	\$259.13	ST
508-12-450	8	12	0.45	27	0.27	7,500	101001500	1	\$259.13	ST
508-16-170	8	16	0.17	10	0.14	7,500	101001709	16	\$259.13	MTO
508-16-340	8	16	0.34	20	0.27	7,500	101001712	16	\$259.13	MTO

Key System Components



Air and Vacuum Valves
(Section 8)



Pro-Grip Layflat x 5/8" Tape
Fittings (Section 2)



Pro-Grip B400 x 5/8" or
7/8" Tape Fittings (Section 2)



Punch for B400 Barb
Used to insert B400 barb
fittings into PE Hose
(Section 10)



Layflat Cutter 19 mm
Used to create hole for
Pro-Grip Layflat fittings.
(Section 10)



Drill Bits
Used to drill holes in PVC
manifolds. Use grommets
when start connectors are
inserted into PVC manifolds.
(Section 10)

Tools

T-Tape 5/8" (continued)

T-Tape Drip Tape - 5/8"

02

Common Description	Wall	Spacing	Flow Rate			Roll Length	Item Number	Min. Order Qty	Price	Order Status
	(mil)	(inch)	(gpm/100 ft.)	(gph/100 ft.)	(gph/dripper)	(ft)		(roll)	(roll)	
510-06-1.34	10	6	1.34	80	0.40	6,000	101001508	16	\$256.69	MTO
510-08-340	10	8	0.34	20	0.14	6,000	101001509	16	\$256.69	MTO
510-08-500	10	8	0.50	30	0.20	6,000	101001870	16	\$256.69	MTO
510-08-670	10	8	0.67	40	0.27	6,000	101001511	16	\$256.69	MTO
510-12-220	10	12	0.22	13	0.13	6,000	101001512	16	\$256.69	MTO
510-12-340	10	12	0.34	20	0.20	6,000	101001514	16	\$256.69	MTO
510-12-450	10	12	0.45	27	0.27	6,000	101001515	1	\$256.69	ST
510-16-340	10	16	0.34	20	0.27	6,000	101001727	16	\$256.69	MTO
510-30-250	10	30	0.25	15	0.38	6,000	101023003	16	\$256.69	MTO
512-12-450	12	12	0.45	27	0.27	5,100	101001738	16	\$255.51	MTO
515-08-500	15	8	0.50	30	0.20	4,100	101001744	16	\$243.91	MTO
515-08-670	15	8	0.67	40	0.27	4,100	101001745	16	\$243.91	MTO
515-12-450	15	12	0.45	27	0.27	4,100	101001748	16	\$243.91	MTO

T-Tape 5/8" (Small Rolls)

T-Tape Drip Tape - 5/8" (Small Rolls)

02

Common Description	Wall	Spacing	Flow Rate			Roll Length	Item Number	Min. Order Qty	Price	Order Status
	(mil)	(inch)	(gpm/100 ft.)	(gph/100 ft.)	(gph/dripper)	(ft)		(roll)	(roll)	
508-08-670	08	8	0.67	40	0.27	1,500	101001562	32	\$82.34	MTO
508-12-450	08	12	0.45	27	0.27	1,500	101001564	32	\$82.34	MTO
510-04-1.00	10	4	1.00	60	0.20	1,000	101001566	32	\$69.22	MTO
510-12-450	10	12	0.45	27	0.27	1,000	101001568	32	\$69.32	MTO
515-08-670	15	8	0.67	40	0.27	750	101000506	32	\$72.02	MTO
515-12-450	15	12	0.45	27	0.27	750	101000507	32	\$72.02	MTO

T-Tape 7/8"

T-Tape Drip Tape - 7/8"

02

Common Description	Wall (mil)	Spacing (inch)	Flow Rate			Roll Length (ft)	Item Number	Min. Order Qty (roll)	Price (roll)	Order Status
			(gpm/100 ft.)	(gph/100 ft.)	(gph/dripper)					
706-08-340	6	8	0.34	20	0.140	7,380	101001521	16	\$268.77	MTO
708-08-340	8	8	0.34	20	0.140	5,560	101001534	1	\$260.54	ST
708-08-500	8	8	0.50	30	0.200	5,560	101001871	16	\$260.54	MTO
708-08-670	8	8	0.67	40	0.270	5,560	101001535	16	\$260.54	MTO
708-12-220	8	12	0.22	13	0.130	5,560	101001536	1	\$260.54	ST
708-12-340	8	12	0.34	20	0.200	5,560	101001542	1	\$260.54	ST
708-12-450	8	12	0.45	27	0.270	5,560	101001543	16	\$260.54	MTO
710-06-450	10	6	0.45	27	0.140	4,400	101001049	16	\$269.73	MTO
710-08-340	10	8	0.34	20	0.140	4,400	101001544	16	\$269.73	MTO
710-08-670	10	8	0.67	40	0.270	4,400	101001545	16	\$269.73	MTO
710-12-340	10	12	0.34	20	0.200	4,400	101001553	16	\$269.73	MTO
710-12-450	10	12	0.45	27	0.270	4,400	101001554	16	\$269.73	MTO
712-8-340	12	8	0.34	20	0.200	3,725	WT14453	16	\$231.76	MTO
715-8-340	15	8	0.34	20	0.140	3,000	101023135	16	\$205.75	MTO
715-8-670	15	8	0.67	40	0.270	3,000	101001806	16	\$205.75	MTO
715-12-220	15	12	0.22	13	0.130	2,700	101001558	1	\$185.69	ST
715-12-220	15	12	0.22	13	0.130	3,000	101001555	16	\$205.75	MTO
715-12-340	15	12	0.34	20	0.200	3,000	101001814	16	\$205.75	MTO
715-12-450	15	12	0.45	27	0.270	3,000	101001815	16	\$205.75	MTO
715-16-280	15	16	0.28	17	0.230	3,000	101001817	16	\$205.75	MTO

Larger Diameter T-Tape models (1 1/8", 1 3/8") are available upon request. Please contact Customer Service for more information.

Key System Components



Air and Vacuum Valves
(Section 8)



Pro-Grip Layflat x 5/8" Tape
Fittings (Section 2)



Pro-Grip B400 x 5/8" or
7/8" Tape Fittings (Section
2)



Punch for B400 Barb
Used to insert B400 barb
fittings into PE Hose
(Section 10)



Layflat Cutter 19 mm
Used to create hole for
Pro-Grip Layflat fittings.
(Section 10)



Drill Bits
Used to drill holes in PVC
manifolds. Use grommets
when start connectors are
inserted into PVC manifolds.
(Section 10)

Tools

T-Tape^S Drip Tape

Ultra Low and Low Flow Models



T-Tape^S Drip Tape

Introducing the newest set of T-Tape Drip Tape models – T-Tape^S. These new models are engineered to have ultra low and low flow rates used in applications with longer fields or rotated crops. Additionally, the T-Tape^S models have good tensile strength to help in the installation and extraction of the tape in difficult applications. T-Tape^S models are ideal choices for crops such as garlic, cotton, and onions. T-Tape^S models can be identified with a gray stripe and with the T-Tape^S designation on the label.

T-Tape^S - 5/8"

T-Tape^S Drip Tape - 5/8"

02

Common Description	Wall	Spacing	Flow Rate			Roll Length	Item Number	Min. Order Qty	Price	Order Status
	(mil)	(inch)	(gpm/100 ft.)	(gph/100 ft.)	(gph/dripper)	(ft)		(roll)	(roll)	
505-06-220	5	6	0.22	13.2	0.07	12,000	WT14682	1	\$308.73	ST
505-08-170	5	8	0.17	10.2	0.07	12,000	WT14683	16	\$308.73	MTO
505-09-150	5	9	0.15	9.0	0.07	12,000	WT14685	16	\$308.73	MTO
505-12-220	5	12	0.22	13.2	0.13	12,000	WT14687	1	\$308.73	ST
506-06-220	6	6	0.22	13.2	0.07	10,000	WT13929	1	\$303.58	ST
506-08-170	6	8	0.17	10.2	0.07	10,000	WT14688	16	\$303.58	MTO
506-12-220	6	12	0.22	13.2	0.13	10,000	WT14691	1	\$303.58	ST

T-Tape^S 7/8"

T-Tape^S Drip Tape - 7/8"

02

Common Description	Wall	Spacing	Flow Rate			Roll Length	Item Number	Min. Order Qty	Price	Order Status
	(mil)	(inch)	(gpm/100 ft.)	(gph/100 ft.)	(gph/dripper)	(ft)		(roll)	(roll)	
706-06-220	6	6	0.22	13.2	0.07	7,380	WT13928	1	\$282.21	ST
706-08-270	6	8	0.27	16.2	0.11	7,380	WT14693	16	\$282.21	MTO
706-12-220	6	12	0.22	13.2	0.13	7,380	WT14697	1	\$282.21	ST

Pro-Grip Drip Tape Fittings

Pro-Grip Fittings and Accessories

Pro-Grip Fittings

02

Image	Description	Item Number	Min. Order Qty	Qty (bag)	Qty (box)	Price (ea)	Price (bag)	Price (box)	Order Status
Assemblies with Barb Fittings									
	PG Assy, 5/8" Tape x 400 Barb w/ 12" .375 Hose	101001080	250	50		\$0.74	\$37.00		MTO
1	PG Assy, 5/8" Tape x 400 Barb w/ 18" .375 Hose	101001081	250	50		\$0.74	\$37.00		MTO
	PG Assy, 5/8" Tape x 400 Barb w/ 24" .375 Hose	101001082	250	50		\$0.74	\$37.00		MTO
	PG Assy, 7/8" Tape x 425 Barb w/ 12" .520 Hose	101001085	250	50		\$1.23	\$61.50		MTO
	PG Assy, 7/8" Tape x 425 Barb w/ 18" .520 Hose	101001087	250	50		\$1.23	\$61.50		MTO
	PG Assy, 7/8" Tape x 425 Barb w/ 24" .520 Hose	101001089	250	50		\$1.23	\$61.50		MTO
	PG Assy, 7/8" Tape x 700 Barb w/ 12" .600 Hose	101001095	250	50		\$1.23	\$61.50		MTO
	PG Assy, 7/8" Tape x 700 Barb w/ 18" .600 Hose	101001096	250	50		\$1.23	\$61.50		MTO
	PG Assy, 7/8" Tape x 700 Barb w/ 24" .600 Hose	101001097	250	50		\$1.23	\$61.50		MTO
Assemblies with Threaded Fittings									
	PG Assy, 3/4" MHT X 5/8 Tape W/ 12" .520 Hose	101001127	250	50		\$0.88	\$44.00		MTO
2	PG Assy, 7/8" Tape x 3/4" MHT w/ 12" .520 Hose	101001129	250	50		\$1.33	\$66.50		MTO
	PG Assy, 7/8" Tape x 3/4" MHT w/ 18" .520 Hose	101001131	250	50		\$1.33	\$66.50		MTO
	PG Assy, 7/8" Tape x 3/4" MHT w/ 24" .520 Hose	101001133	250	50		\$1.33	\$66.50		MTO
	PG Assy, 7/8" Tape x 3/4" MHT w/ 12" .600 Hose	101001134	250	50		\$1.33	\$66.50		MTO
	PG Assy, 7/8" Tape x 3/4" MHT w/ 18" .600 Hose	101001135	250	50		\$1.33	\$66.50		MTO
	PG Assy, 7/8" Tape x 3/4" MHT w/ 24" .600 Hose	101001136	250	50		\$1.33	\$66.50		MTO
Barbed Fittings									
3	Pro-Grip 400 Transfer Barb	101001083	100	100	5000	\$0.14	\$14.00	\$700.00	ST
4	Pro-Grip 425 Barb x 520 Barb	101001090	500	500	3000	\$0.14	\$70.00	\$420.00	ST
	Pro-Grip 425 Barb x 520 Barb with Grommet	101001091	500	500	2000	\$0.28	\$140.00	\$560.00	ST
	Pro-Grip 520 Transfer Barb	101001092	100	100	2000	\$0.15	\$15.00	\$300.00	ST
	Pro-Grip 520 Tee w/ barbs	101001093	250	250	1000	\$0.24	\$60.00	\$240.00	ST
	Pro-Grip 700 Transfer Barb	101001099	100	100	2000	\$0.13	\$13.00	\$260.00	ST
Grommets									
	Pro-Grip Take Off Grommet, 15 mm, T Style B400	101001104	500	500	5000	\$0.14	\$70.00	\$700.00	ST
	Pro-Grip Take Off Grommet, 17 mm, T Style B425	101001105	500	500	5000	\$0.14	\$70.00	\$700.00	ST
5	Pro-Grip Take Off Grommet, 19 mm, T Style B700	101001106	250	250	2500	\$0.26	\$65.00	\$650.00	ST

1



2



3



4



5



Pro-Grip Fittings and Accessories

Pro-Grip Fittings

02

Image	Description	Item Number	Min. Order Qty	Qty (bag)	Qty (box)	Price (ea)	Price (bag)	Price (box)	Order Status
Layflat x Barb									
	Pro-Grip Layflat x 400 Barb	101001113	100	100	1000	\$0.41	\$41.00	\$410.00	ST
	Pro-Grip Layflat x 520 Barb	101001114	100	100	1000	\$0.41	\$41.00	\$410.00	ST
1	Pro-Grip Layflat x 700 Barb	101001115	100	100	1000	\$0.41	\$41.00	\$410.00	ST
Layflat x Tape									
2	Pro-Grip Layflat x 5/8" Tape	101001154	100	100	800	\$0.62	\$62.00	\$496.00	ST
Layflat x Thread									
3	Pro-Grip Layflat x 3/4" FHT w/ Washer	101001116	100	100	800	\$0.67	\$67.00	\$536.00	ST
	Pro-Grip Layflat x 3/4" FPT w/ Washer	101001117	100	100	800	\$0.67	\$67.00	\$536.00	ST
Tape Flush and Ends									
4	Pro-Grip 5/8" Tape x Flush Valve, 3 PSI	101001153	100	100	500	\$1.51	\$151.00	\$755.00	ST
5	Pro-Grip FHT x Flush Valve, 3 PSI	101001101	100	100	700	\$1.18	\$118.00	\$826.00	ST
	Pro-Grip 5/8" Tape x 3/4" End Cap	101001148	100	100	500	\$0.65	\$65.00	\$325.00	ST
	Pro-Grip 7/8" Tape x 3/4" End Cap	101038364	100	100	500	\$0.89	\$89.00	\$445.00	ST
	Pro-Grip 3/4" FHT Cap	101001100	100	100	500	\$0.35	\$35.00	\$175.00	ST
Tape x Barb									
	Pro -Grip 5/8" Tape x 250 Barb	101001143	100	100	1300	\$0.27	\$27.00	\$351.00	ST
6	Pro -Grip 5/8" Tape x 400 Barb	101001144	100	100	1300	\$0.31	\$31.00	\$403.00	ST
	Pro -Grip 5/8" Tape x 520 Barb	101001145	100	100	1100	\$0.31	\$31.00	\$341.00	ST
	Pro -Grip 5/8" Tape x 700 Barb	101001146	100	100	1100	\$0.31	\$31.00	\$341.00	ST
	Pro -Grip 7/8" Tape x 520 Barb	101001173	100	100	600	\$0.66	\$66.00	\$396.00	ST
	Pro -Grip 7/8" Tape x 700 Barb	101001174	100	100	600	\$0.66	\$66.00	\$396.00	ST



Tools



Punch for B400 Barb
Used to insert B400 barb fittings into PE Hose (Section 10)



Drill Bits
Used to drill holes in PVC manifolds. Use grommets when start connectors are inserted into PVC manifolds. (Section 10)



Layflat Cutter 19 mm
Used to create holes for Pro-Grip Layflat fittings. (Section 10)



Spanner Wrench
The Spanner Wrench is used to tighten the layflat fittings on to the layflat. (Section 10)



Tee Hex Wrench
This tool is used to insert the layflat fittings into layflat. (Section 10)

Pro-Grip Fittings and Accessories

Pro-Grip Fittings

02

Image	Description	Item Number	Min. Order Qty	Qty (bag)	Qty (box)	Price (ea)	Price (bag)	Price (box)	Order Status
Tape x Socket									
1	Pro-Grip 7/8" Tape x 1/2" Socket / 3/4" Spigot	101001179	100	100	500	\$0.65	\$65.00	\$325.00	ST
Tape x Tape (Couplings)									
2	Pro -Grip 5/8" Tape Coupling	101001157	100	100	800	\$0.33	\$33.00	\$264.00	ST
	Pro -Grip 7/8" Tape Coupling	101001180	100	100	400	\$0.70	\$70.00	\$280.00	ST
Tape x Thread									
3	Pro -Grip 5/8" Tape x 3/4" FHT w/ Screen	101001150	100	100	800	\$1.	\$100.00	\$800.00	ST
	Pro -Grip 5/8" Tape x 3/4" FHT w/ Washer	101001151	100	100	800	\$0.79	\$79.00	\$632.00	ST
	Pro -Grip 5/8" Tape x 3/4" FPT w/ Washer	101001152	100	100	800	\$0.89	\$89.00	\$712.00	ST
	Pro -Grip 5/8" Tape x 3/4" MHT	101001155	100	100	800	\$0.31	\$31.00	\$248.00	ST
	Pro -Grip 7/8" Tape x 3/4" MHT	101001177	100	100	500	\$0.62	\$62.00	\$310.00	ST
	Pro -Grip 5/8" Tape x 1/2" MPT	101001156	100	110	1000	\$0.31	\$34.10	\$310.00	ST
	Pro -Grip 7/8" Tape x 3/4" MPT	101001178	100	100	500	\$0.62	\$62.00	\$310.00	ST
Tee Fittings									
	Pro-Grip 5/8" Tape Coupling Tee x 5/20 Barb	101001158	100	100	500	\$1.09	\$109.00	\$545.00	ST
	Pro-Grip 5/8" Tape Coupling Tee x 3/4" MHT	101001159	100	100	400	\$1.09	\$109.00	\$436.00	ST
	Pro-Grip 5/8" Tape Coupling Tee x 3/4" MPT	101001160	100	100	400	\$1.09	\$109.00	\$436.00	ST
	Pro-Grip 5/8" Tape Coupling x 1/2" Socket	101001161	100	100	400	\$1.09	\$109.00	\$436.00	ST
4	Pro-Grip Pro Grip, 5/8" Tape Coupling Tee	101001162	100	100	400	\$1.16	\$116.00	\$464.00	ST



Pro-Grip Fittings and Accessories

Pro-Grip Fittings

02

Image	Description	Item Number	Min. Order Qty	Qty (bag)	Qty (box)	Price (ea)	Price (bag)	Price (box)	Order Status
Test Fittings									
1	Pro-Grip 5/8" Tape Coupling Test	101001147	10	10		\$5.49	\$54.90		ST
	Pro-Grip 7/8" Tape Coupling Test	101001175	10	10		\$5.42	\$54.20		ST
2	Pro-Grip 5/8" Tape End Test	101001149	10	10		\$5.49	\$54.90		ST
	Pro-Grip 7/8" Tape End Test	101001176	10	10		\$5.42	\$54.20		ST
Thread x Barb Fittings									
	Pro-Grip 3/4" MHT x 400 Barb	101001137	100	100	1200	\$0.34	\$34.00	\$408.00	CP
3	Pro-Grip 3/4" MHT x 520 Barb	101001138	100	100	1200	\$0.34	\$34.00	\$408.00	CP
	Pro-Grip 3/4" MHT x 720 Barb	101001139	100	100	1000	\$0.34	\$34.00	\$340.00	CP
	Pro-Grip 3/4" MPT x 520 Barb	101001141	100	100	1200	\$0.34	\$34.00	\$408.00	CP
	Pro-Grip 3/4" MPT x 720 Barb	101001142	100	100	1000	\$0.34	\$34.00	\$340.00	CP
	Pro-Grip 3/4" MHT x Plug	101001140	100	100	1200	\$0.34	\$34.00	\$408.00	CP
Valved Fittings									
	Pro-Grip 520 Barb x 520 Barb w/ Valve	101001094	100	100	600	\$0.79	\$79.00	\$474.00	ST
	Pro-Grip 5/8" Tape x 400 Barb w/ Valve	101008189	100	100	600	\$1.13	\$113.00	\$678.00	ST
	Pro-Grip 5/8" Tape x 425 Barb w/ Valve-Grommet	101001846	100	100	500	\$0.99	\$99.00	\$495.00	ST
	Pro-Grip 5/8" Tape x 500 Barb w/ Valve-Rubber	101001847	100	100	600	\$0.90	\$90.00	\$540.00	ST
	Pro-Grip 5/8" Tape x 520 Barb w/ Valve	101001848	100	100	500	\$0.81	\$81.00	\$405.00	ST
	Pro-Grip 5/8" Tape x 3/4" MHT w/ Valve	101001849	100	100	400	\$0.81	\$81.00	\$324.00	ST
	Pro-Grip 5/8" Tape x 3/4" MPT w/ Valve	101001850	100	100	400	\$0.81	\$81.00	\$324.00	ST
	Pro-Grip 5/8" Tape x LF16 Layflat w/ Valve	101000893	100	100	200	\$1.99	\$199.00	\$398.00	ST
4	Pro-Grip 5/8" Tape x 5/8" Tape w/ Valve	101001851	100	100	400	\$0.82	\$82.00	\$328.00	ST



Large and Miscellaneous Fittings

Large and Miscellaneous Fittings (1 1/8", 1 3/8")

02

Image	Description	Item Number	Min. Order Qty	Qty (bag)	Qty (box)	Price (ea)	Price (bag)	Price (box)	Order Status
Grommets									
1	Take Off Grommet, 19 mm, T-Style B700	101001106	250	250	2500	\$0.26	\$65.00	\$650.00	ST
Tape x Barb Fittings									
	Fitting, 1 1/8 Tape X 700 Barb	101048617	50	50	400	\$2.17	\$108.50	\$868.00	MTO
2	Fitting, 1 3/8 Tape x 700 Barb	101048639	25	25	250	\$2.71	\$67.75	\$677.50	MTO
Tape Flush and Ends									
3	Fitting, 7/8 Tape x Flush Valve High Flow	101048643	50	50	500	\$4.40	\$220.00	\$2,200.00	MTO
	Fitting, 1 1/8 Tape x Flush Valve High Flow	101048629	50	50	500	\$4.89	\$244.50	\$2,445.00	MTO
	Fitting, 1 3/8 Tape x Flush Valve High Flow	101048641	25	25	300	\$5.12	\$128.00	\$1,536.00	MTO
Layflat x Tape Fittings									
4	Fitting, 7/8 Tape x LF Adapter 19 mm	101048644	50	50	450	\$1.66	\$83.00	\$747.00	MTO
	Fitting, 1 1/8 Tape x LF Adapter 19 mm	101048623	25	25	250	\$3.50	\$87.50	\$875.00	MTO
	Fitting, 1 3/8 Tape x LF Adapter 19 mm	101048633	25	25	300	\$3.60	\$90.00	\$1,080.00	MTO
Tape x Hose Fittings									
	Fitting, 1 1/8 Tape x 20 mm O.D. Hose	101048628	50	50	300	\$2.59	\$129.50	\$777.00	MTO
	Fitting, 1 1/8 Tape x 3/4 Hose	101048626	50	50	300	\$2.79	\$139.50	\$837.00	MTO
5	Fitting, 1 1/8 Tape x 3/4 Hose 45° Adapter	101048624	50	50	300	\$3.68	\$184.00	\$1,104.00	MTO
6	Fitting, 1 1/8 Tape x 3/4 Hose 90° Elbow	101048625	50	50	300	\$3.70	\$185.00	\$1,110.00	MTO
	Fitting, 1 3/8 Tape x 3/4 Hose	101048636	50	50	300	\$3.05	\$152.50	\$915.00	MTO
	Fitting, 1 3/8 Tape x 3/4 Hose 45° Adapter	101048635	50	50	250	\$4.99	\$249.50	\$1,247.50	MTO
	Fitting, 1 3/8 Tape x 3/4 Hose 90° Elbow	101048638	50	50	300	\$4.50	\$225.00	\$1,350.00	MTO
Tape x Spigot Fittings									
	Fitting, 1 1/8 Tape X 1/2 Socket/3/4 Spigot	101048618	100	100	700	\$1.48	\$148.00	\$1,036.00	MTO
7	Fitting, 1 1/8 Tape X 3/4 Socket/1 Inch Spigot	101048619	100	100	500	\$1.54	\$154.00	\$770.00	MTO
	Fitting, 1 3/8 Tape X 3/4 Socket/1 Inch Spigot	101048632	100	100	300	\$1.97	\$197.00	\$591.00	MTO

1



2



3



4



5



6



7



Large and Miscellaneous Fittings

Large and Miscellaneous Fittings (1 1/8", 1 3/8")

02

Image	Description	Item Number	Min. Order Qty	Qty (bag)	Qty (box)	Price (ea)	Price (bag)	Price (box)	Order Status
Tape x Tape Fittings									
1	Fitting, 1 1/8 Tape Coupling	101048616	50	50	400	\$2.04	\$102.00	\$816.00	MTO
	Fitting, 1 3/8 Tape Coupling	101048631	25	25	200	\$2.69	\$67.25	\$538.00	MTO
Tape x Thread Fittings									
2	Fitting, 1 1/8 Tape x 3/4 MHT	101048621	50	50	500	\$1.48	\$74.00	\$740.00	MTO
	Fitting, 1 1/8 Tape x 3/4 MHT W/Cap	101048622	50	50	500	\$1.86	\$93.00	\$930.00	MTO
	Fitting, 1 1/8 Tape x 3/4 MPT	101048620	100	100	500	\$1.46	\$146.00	\$730.00	MTO
Valved Fittings									
	Fitting, 18 mm Hose xVLV 1/2 Socket/3/4 Spig	101048883	50	50	250	\$3.30	\$165.00	\$825.00	MTO
	Fitting, 7/8 Tape w/VLV x 400 Compression Adapter	101048642	50	50	500	\$2.66	\$133.00	\$1,330.00	MTO



Drippers

Applications

Greenhouse • Nursery • Landscape • Orchards • Vineyards

The full line of drippers and assemblies can be combined to provide the right solution in your greenhouse, orchard, or vineyard. We offer both standard and flow regulated drippers. The drippers are installed on hose laterals and can use tubing and pegs to deliver the drops in the right location, with the right flow rate. The drippers and accessories can be combined with hose and tubing, filters, and valves to complete your system.



Dripper Selection

Assemblies

Accessories



E1000 Dripper

A two-piece easy take-apart dripper making maintenance a breeze and extending the life of your drippers.

Flow Regulated Supertif

The Supertif Flow Regulated dripper has a self-flushing mechanism and is available in a wide range of flow rates. These models are ideal for orchard, landscape, and vineyard applications.



Supertif ND

The Supertif ND Flow Regulated dripper has a self-flushing mechanism and a non-drain feature. These models are the ideal choice for greenhouse applications.



Supertif NDH

The Supertif NDH Flow Regulated dripper has a self-flushing mechanism, a non-drain feature and a high opening pressure to operate. These models are the ideal choice for greenhouse applications.



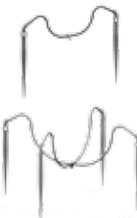
Supertif MOP

The Supertif MOP Flow Regulated dripper has a self-flushing mechanism, a non-drain feature, a high opening pressure to operate and medium sealing pressure. These models are the ideal choice for greenhouse applications.



Single

The single assemblies are offered with the dripper in the Supertif ND, NDH, and MOP models. The tubing sizes available include 24" and 30". The single assemblies come with a dripper, tubing, and either a Barpeg or Snapeg.



Spiders - 2-Way or 4-Way (Dripper sold separately)

The Spider Assemblies are available in 2-outlet and 4-outlet versions with 18", 24", and 30" tubing. The dripper is not included with the spider assembly and must be purchased to complete the assembly.



Pegs

Barpeg - Standard peg
Snapeg - Visual indicator showing the drips. Best choice for use with organic fertilizers.
Flow Equalizing
Dripeg - Flow regulating



Tubing

The 3 x 5 Flex PE White Tubing is available in cut lengths and 500 foot rolls.



Adaptors

Use the 2-way or 4-way adapters to produce multiple drip locations from one dripper.

Tools

System Components



2.0 mm Punch Tool

The 2.0 mm Punch is the right tool for all of the Rivulis drippers. (Tools- Section 10)



E1000 Tool

The E1000 Tool allows you to open up the dripper to clean out the labyrinth. An E1000 Tool is included in each bag of E1000 Drippers (1,000 drippers per bag).



Hose

The PE Hose & Tubing is offered in sizes from 1/2" to 1" in diameter. All of the PE Hose & Tubing products are made with high quality resins. (Section 6)



Filters

Great for drip irrigation systems, the F3200 Metal Screen Filter with Hydraulic Operation is highly efficient and self-cleaning. The filters continue to operate during flushing and utilize a small amount of water during flushing, making the filters very efficient. See section 7 for information on filters.

Quick Reference Chart - Drippers

	E1000	Supertif	Supertif ND	Supertif NDH	Supertif MOP
Characteristics					
Key Feature	2-Part Construction	Self-Flushing Mechanism	Self-Flushing Mechanism with Non-drain Feature		
Flow Rates	0.53, 1.06, 2.11 gph	0.53, 0.58, 1.02, 2.06, 3.17, 6.6 gph	0.29, 0.58, 1.02, 2.06 gph	0.42, 0.82, 2.90 gph	0.29, 0.58, 0.82, 1.02 gph
Flow Regulation		✓	✓	✓	✓
Non-drain			✓	✓ (high sealing pressure)	✓ (medium sealing pressure)
Base Color	Black	Black	Brown	Brown	Lt. Blue, Blue
Outlet Types	Multi Function Port (can be used with branching adaptors or tubing)	Press Fit - for use with branching adaptors			
		SLB (selected configurations) Straight barbed for 3 x 5 mm tube			
		SOL (selected configurations) 90° barbed side for 3 x 5 mm tube			
Operating Guidelines					
Standard Operating Pressure	14.7 psi				
Operating Pressure Range	12-29 psi	9-50 psi (18-50 psi Orange)	10-50 psi	17.5-50 psi	19-50 psi
Required Opening Pressure			4.3 psi	7.2 psi	10.1 psi
Sealing Pressure			2.2 psi	5.1 psi	2.9 psi
Filtration Requirements	All - 130 mesh (120 microns)		≤0.42 gph - 150 mesh (100 microns)		
			>0.42 gph - 130 mesh (120 microns)		
Installation Tool	2.0 mm Punch Tool				

Outlet Types



Multi-Port Outlet



Press Fit



SLB - Top Outlet Barb



SOL - Side Outlet Barb



Reference Information

Common drip and micro irrigation formulas available in the appendix section on page A.15.

E1000 Dripper

2-Part Construction



1. E1000 0.53 gph



2. E1000 1.06 gph



3. E1000 2.11 gph

The Rivulis E1000 Dripper has several key features that allow you to create the irrigation system that's right for your operation. Starting with the E1000 Dripper's 2-part body construction, it can be disassembled and easily maintained in the field. All of the E1000 Drippers have a multi-function port, providing numerous connection options for system components. Even the low profile of the E1000 Dripper helps to keep the irrigation system out of the way of everyday work. And with the color coding of the E1000 Dripper, you'll easily know how to identify the flow rate. Under trees, in orchards, or in potted plants, there's a Rivulis E1000 Dripper made to keep you flowing.

E1000 Drippers

E1000 Dripper

03

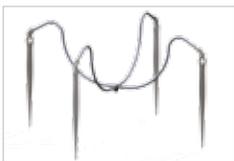
Image	Description	Flow Rate (gph)	Outlet Color	Outlet Type	Item Number	Min. Order Qty	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
1	E1000 Dripper	0.53	Brown ●	*Multi Function Port	201013383	1,000	1,000	6,000	\$0.10	\$600.00	ST
2	E1000 Dripper	1.06	Black ●	*Multi Function Port	201013385	1,000	1,000	6,000	\$0.10	\$600.00	ST
3	E1000 Dripper	2.11	Green ●	*Multi Function Port	201013386	1,000	1,000	6,000	\$0.10	\$600.00	ST

* Multi Function Port - Has both a Press fit and Barb connection.

Key System Components



Spider Assembly - 2-Way
(Adaptor, White Tubing,
Dripeg)



Spider Assembly - 4-Way
(Adaptor, White Tubing,
Dripeg)

Tools



2.0 mm Punch Tool (Section
10)



E1000 Tool - The E1000 Tool allows you to open up the dripper to clean out the labyrinth. An E1000 Tool is included in each bag of E1000 Drippers (1,000 drippers per bag).

Supertif Flow Regulated Dripper

Outstanding Flow Regulation



1. Supertif
Barbed outlet



2. Supertif
Press fit outlet

For outstanding flow regulation and consistent flows over a wide range of pressures, the Supertif is the online dripper for you. Supertif is the ideal choice for applications on sloping terrain or where long drip lines are required. Applications also include nurseries and landscape. The Supertif online drippers can be configured to work with multi-branching outlets or just the online dripper itself. All of the Supertif drippers have a self-flushing mechanism and are manufactured with superior materials, for a long life.

Supertif Drippers

Supertif Flow Regulated Dripper

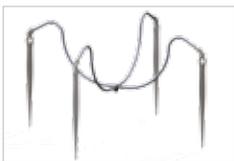
03

Image	Description	Outlet Type	Flow Rate (gph)	Base Color	Outlet Color	Item Number	Min. Order Qty	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
1	Supertif	Barbed	0.53	Black ●	Lt. Brown ●	201014734	1000	1000	4,000	\$0.21	\$840.00	ST
	Supertif	Barbed	0.58	Black ●	Brown ●	201000240	1000	1000	4,000	\$0.21	\$840.00	ST
	Supertif	Press fit	0.58	Black ●	Brown ●	201000058	1000	1000	4,000	\$0.21	\$840.00	ST
	Supertif	Press fit	1.02	Black ●	Black ●	201000242	1000	1000	4,000	\$0.21	\$840.00	ST
2	Supertif	Press fit	2.06	Black ●	Green ●	201000059	1000	1000	4,000	\$0.21	\$840.00	ST
	Supertif	Press fit	3.17	Black ●	Red ●	201000060	1000	1000	4,000	\$0.21	\$840.00	ST
	Supertif	Press fit	6.60	Black ●	Orange ●	101003183	1000	1000	4,000	\$0.21	\$840.00	ST

Key System Components



Spider Assembly - 2-Way
(Adaptor, White Tubing,
Dripeg)



Spider Assembly - 4-Way
(Adaptor, White Tubing,
Dripeg)

Tools



2.0 mm Punch Tool (Section
10)

Supertif ND Flow Regulated Dripper

Outstanding Flow Regulation



1. Supertif ND
Barbed outlet



2. Supertif ND
Side barb outlet



3. Supertif ND
Press fit outlet

The Supertif ND Flow Regulated Drippers combines the features of the standard Supertif with a non-drain (ND) feature. The Supertif ND stops emitting when the sealing pressure decreases to 2.2 pounds per square inch. When the system is pressurized, the Supertif ND begins to emit when the dripper reaches 4.3 pounds per square inch. This dripper is a great choice for many agricultural and greenhouse applications, including those utilizing pulse irrigation. All of the Supertif Flow Regulated Drippers are designed to work with assemblies.

Supertif ND Drippers

Supertif ND (non-drain) Flow Regulated Dripper

03

Image	Description	Outlet Type	Flow Rate	Base Color	Outlet Color	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
			(gph)					(bag)	(box)	(ea)	(box)	
1	Supertif ND	Barbed	0.58	Brown ●	Brown ●	201000241	1,000	1,000	4,000	\$0.21	\$840.00	ST
2	Supertif ND	Side Barb	0.58	Brown ●	Brown ●	101003191	1,000	1,000	4,000	\$0.21	\$840.00	ST
	Supertif ND	Press Fit	0.29	Brown ●	Lt. Grey ●	201000066	1,000	1,000	4,000	\$0.21	\$840.00	ST
	Supertif ND	Press Fit	0.58	Brown ●	Brown ●	201000061	1,000	1,000	4,000	\$0.21	\$840.00	ST
	Supertif ND	Press Fit	1.02	Brown ●	Black ●	201000062	1,000	1,000	4,000	\$0.21	\$840.00	ST
3	Supertif ND	Press Fit	2.06	Brown ●	Green ●	201000064	1,000	1,000	4,000	\$0.21	\$840.00	ST

Supertif ND Complete Assemblies

Supertif ND Single Stake Assemblies (Peg, White Tubing, Dripper)

04

Description	Peg	Dripper	Flow Rate	Tube	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
			(gph)				(inch)	(bag)	(box)	(ea)	
Supertif ND - Single Assembly	Barpeg	Supertif ND SLB	0.58	30	101022679	50	50	800	\$0.63	\$504.00	MTO
Supertif ND - Single Assembly	Barpeg	Supertif ND SOL	0.58	30	101023020	50	50	800	\$0.63	\$504.00	MTO
Supertif ND - Single Assembly	Snapeg	Supertif ND SLB	0.58	24	101011237	50	50	1,000	\$0.60	\$600.00	MTO
Supertif ND - Single Assembly	Snapeg	Supertif ND SLB	0.58	30	101022591	50	50	800	\$0.64	\$512.00	MTO

Compatible Assemblies



Spider Assembly - 2-Way
(Adaptor, White Tubing,
Dripeg)



Spider Assembly - 4-Way
(Adaptor, White Tubing,
Dripeg)

Tools



2.0 mm Punch Tool
Part# 101001967
(Section 10)

Note: Custom assemblies are available and require a minimum order quantity of 2,500 units. Contact Customer Service for pricing and production times.

Supertif NDH Flow Regulated Dripper

Outstanding Flow Regulation



1. Supertif NDH
Barb outlet



2. Supertif NDH
Side barb outlet

The Supertif NDH Flow Regulated Drippers have the non-drain feature, but function with a higher sealing pressure. These drippers have a required opening pressure of 7.2 pounds per square inch and a sealing pressure of 5.1 pounds per square inch. The higher sealing pressures allow the drippers the ability to function at higher pressures applications like greenhouse irrigation and master emitters in loop systems. All of the Supertif Flow Regulated Drippers are designed to work with assemblies.

Supertif NDH Drippers

Supertif NDH (non-drain, high sealing pressure)

03

Image	Description	Outlet Type	Flow Rate (gph)	Base Color	Outlet Color	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
1	Supertif NDH	Barbed	0.82	Brown ●	Blue ●	101011754	1,000	1,000	4,000	\$0.21	\$840.00	ST
2	Supertif NDH	Side barb	0.42	Brown ●	Dark Grey ●	101011756	1,000	1,000	4,000	\$0.21	\$840.00	ST
	Supertif NDH	Side barb	0.82	Brown ●	Blue ●	101011757	1,000	1,000	4,000	\$0.21	\$840.00	ST
	Supertif NDH	Press Fit	0.42	Brown ●	Dark Grey ●	101011749	1,000	1,000	4,000	\$0.21	\$840.00	ST
	Supertif NDH	Press Fit	2.90	Brown ●	Red ●	101011753	1,000	1,000	4,000	\$0.21	\$840.00	ST

Supertif NDH Complete Assemblies

Supertif NDH Single Stake Assemblies (Peg, White Tubing, Dripper)

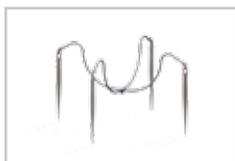
04

Description	Peg	Dripper	Flow Rate (gph)	Tube (inch)	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
Supertif NDH - Single Assembly	Barpeg	Supertif NDH SLB	0.82	30	101022797	50	50	800	\$0.63	\$504.00	MTO
Supertif NDH - Single Assembly	Barpeg	Supertif NDH SOL	0.82	30	101023022	50	50	800	\$0.64	\$512.00	MTO
Supertif NDH - Single Assembly	Snapeg	Supertif NDH SOL	0.82	24	101022798	50	50	1,000	\$0.60	\$600.00	MTO
Supertif NDH - Single Assembly	Snapeg	Supertif NDH SOL	0.82	30	101022799	50	50	800	\$0.64	\$512.00	MTO

Compatible Assemblies



Spider Assembly - 2-Way
(Adaptor, White Tubing,
Dripeg)



Spider Assembly - 4-Way
(Adaptor, White Tubing,
Dripeg)

Tools



2.0 mm Punch Tool
Part# 101001967
(Section 10)

Note: Custom assemblies are available and require a minimum order quantity of 2,500 units. Contact Customer Service for pricing and production times.

Supertif MOP Flow Regulated Dripper

Outstanding Flow Regulation



1. Supertif MOP Side barb outlet

The Supertif MOP Flow Regulated Drippers have the non-drain feature, but function with a higher opening pressure different from the other Supertif non-drain models. The Supertif MOP Flow Regulated Drippers have a required opening pressure of 10.1 pounds per square inch and a sealing pressure of 2.9 pounds per square inch. With properly placed valves, the higher opening pressures allow the system the ability to flush at each start of each irrigation, until the pressure increases to the required opening pressure. All of the Supertif Flow Regulated Drippers are designed to work with assemblies.

Supertif MOP Drippers

Supertif MOP (non-drain, high opening pressure, medium sealing pressure)

04

Image	Description	Outlet Type	Flow Rate (gph)	Base Color	Outlet Color	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
	Supertif MOP	Side barb	0.29	Lt. Blue ●	Lt. Grey ●	101003189	1,000	1,000	4,000	\$0.21	\$840.00	ST
	Supertif MOP	Side barb	0.42	Blue ●	Dk. Grey ●	101003185	1,000	1,000	4,000	\$0.21	\$840.00	ST
1	Supertif MOP	Side barb	0.58	Lt. Blue ●	Brown ●	101018411	1,000	1,000	4,000	\$0.21	\$840.00	ST
	Supertif MOP	Side barb	0.82	Blue ●	Blue ●	101003193	1,000	1,000	4,000	\$0.21	\$840.00	ST
	Supertif MOP	Side barb	1.02	Lt. Blue ●	Black ●	101003196	1,000	1,000	4,000	\$0.21	\$840.00	ST

Supertif MOP Complete Assemblies

Supertif MOP Single Stake Assemblies (Peg, White Tubing, Dripper)

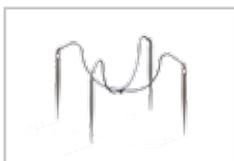
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Description	Peg	Dripper	Flow Rate (gph)	Tube (inch)	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
Supertif MOP - Single Assembly	Snapeg	Supertif MOP SOL	0.29	30	101039263	50	50	800	\$0.64	\$512.00	MTO
Supertif MOP - Single Assembly	Snapeg	Supertif MOP SOL	0.58	30	101039265	50	50	800	\$0.64	\$512.00	MTO
Supertif MOP - Single Assembly	Snapeg	Supertif MOP SOL	0.82	30	101039267	50	50	800	\$0.64	\$512.00	MTO

Compatible Assemblies



Spider Assembly - 2-Way
(Adaptor, White Tubing,
Dripeg)



Spider Assembly - 4-Way
(Adaptor, White Tubing,
Dripeg)

Tools



2.0 mm Punch Tool
Part# 101001967
(Section 10 - Tools)

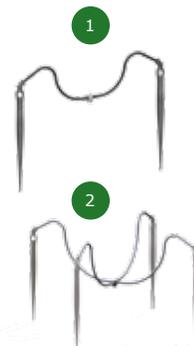
Note: Custom assemblies are available and require a minimum order quantity of 2,500 units. Contact Customer Service for pricing and production times.

Dripper Accessories

Spider Assemblies (Adaptor, White Tubing, Dripeg)

04

Image	Description	# of Outlets	Tube Lengths	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
			(inch)				(bag)		(box)	
1	2-Way Assembly	2	(2 x 24)	101022558	50	50	500	\$1.53	\$765.00	CP
	2-Way Assembly	2	(2 x 30)	101022559	50	50	400	\$1.59	\$636.00	CP
	4-Way Assembly	4	(4 x 18)	101022598	50	50	250	\$1.65	\$412.50	CP
2	4-Way Assembly	4	(4 x 24)	101022599	50	50	200	\$1.78	\$356.00	CP
	4-Way Assembly	4	(4 x 30)	101022600	50	50	200	\$1.90	\$380.00	CP
	4-Way Assembly	4	(2 x 18) (2 x 30)	101022560	50	50	200	\$1.78	\$356.00	CP
	4-Way Assembly	4	(2 x 24) (2 x 36)	101022561	50	50	200	\$1.99	\$398.00	CP
	4-Way Assembly	4	(2 x 24) (2 x 48)	101038486	50	50	200	\$2.20	\$440.00	CP



3 x 5 Flex Polyethylene White Tube - Cut Pieces (ID- 0.118", OD- 0.197")

04

Image	Description	Tube Length	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
		(inch)				(bag)		(box)	
3	3 x 5 Flex PE White Tube 18"	18	101022832	500	500	2,500	\$0.09	\$225.00	MTO
	3 x 5 Flex PE White Tube 24"	24	101003336	500	500	2,500	\$0.12	\$300.00	MTO
	3 x 5 Flex PE White Tube 30"	30	101022563	500	500	2,500	\$0.15	\$375.00	MTO
	3 x 5 Flex PE White Tube 36"	36	101022564	500	500	2,500	\$0.23	\$575.00	MTO
	3 x 5 Flex PE White Tube 48"	48	101028525	500	500	1,000	\$0.31	\$310.00	MTO



3 x 5 Flex Polyethylene White Tube - Reel (ID- 0.118", OD- 0.197")

04

Image	Description	Roll Length	Item Number	Min. Order Quantity	Price	Order Status
		(ft.)				
4	3 x 5 Flex PE White Tube Reel (500 m/1640 ft)	1,640	101013009	1	\$88.10	ST



Pegs

04

Image	Description	Color	Item Number	Min. Order Quantity	Qty	Price	Price	Order Status
					(box)		(ea)	
5	Barpeg	Gray	101008233	1,200	1,200	\$0.10	\$120.00	ST
6	Snappeg	Gray	201000247	1,200	1,200	\$0.11	\$132.00	ST
7	Dripeg (Flow Equalizing)	Black	101003308	1,200	1,200	\$0.09	\$108.00	ST



Adapters for Drippers

04

Image	Description	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
				(bag)	(box)		(ea)	
8	2-Way Stackable Spider Manifold	201000246	500	5,000	25,000	\$0.11	\$2,750.00	ST
9	4-Way Stackable Spider Manifold	201000074	500	5,000	15,000	\$0.12	\$1,800.00	ST
10	Adapter Press-Fit (for Drippers) to 3 x 5 PE	201000073	500	10,000	30,000	\$0.08	\$2,400.00	ST
11	Elbow Adapter Press-Fit (for Drippers) to 3 x 5 PE	201000237	500	5,000	30,000	\$0.08	\$2,400.00	ST
12	Barb X Barb (Start Connector) For 3 x 5 PE	101003297	500	5,000	40,000	\$0.08	\$3,200.00	ST



Sprays (Jets, Foggers, Misters)

Applications

Greenhouse • Nursery • Landscape • Orchards

We've got a great line up of jets for orchards and mister and foggers for greenhouse applications. The sprays provide very accurate spray patterns and have built-in features like insect protection, turbulent flows, and non-drain. From sprays to small droplets, we got the jet spray, fogger, or mist spray for your application.



Jet Spray Selection



Jet+ Jet Spray

The Jet+ Jet Sprays deliver low angled streams for under tree applications in orchards or groves. The Jet+ Jet Sprays have built-in insect guards, helping to keep the jets flowing with less maintenance. And with less maintenance, you can reduce labor costs associated with traditional one-piece jets.



JFR Flow Regulated Jet Spray

The JFR Jet Spray has the same great features as the Jet+, but one more added feature of flow regulation. The flow regulated jet is the ideal choice for sloping ground and long laterals runs.



Tornado Ray Jet Spray

The Tornado line of jet sprays provide dependability in numerous irrigation applications, including applications in orchards and greenhouses. The Tornado line of jet sprays uses a vortex nozzle which creates a turbulent water flow throughout the large passage way. And with the turbulent flow and large passage way clogging hazards are minimized. The Tornado Ray Jet has a larger opening than a standard jet spray with the same flow rate.

Fog/ Mist Spray Selection



FLF Fogger Low Flow

Growers choose the FLF (Fogger Low Flow) for irrigation and as a method to alter the humidity and the evaporative climate in both greenhouses and high tunnels. The FLF is so versatile that it can be used as part of a cooling system in animal husbandry or for irrigation in both cutting propagation and seed germination.



Rondo Mist Spray

The Rondo Mist Spray is ideal for irrigating during seed germination and cutting propagation. The Rondo Mist Spray produces an average droplet size of 150 microns and is suitable for inverted or upright installations.



Tornado Mist Spray

The mist produced from the Tornado Mist Spray can be used as climate control or to affect the humidity in greenhouses. The Tornado delivers an uninterrupted 360 degree spray pattern and an average droplet size of 140 microns. Additionally, the Tornado uses a vortex flow mechanism, which reduces the possibility of clogging.

Assemblies

(Spray heads are sold separately from assemblies)



4x7 Micro Tubing with Barb Assembly

The 4x7 Micro Tubing Assembly includes tubing and a 4x7 barb coupler.



Hanging Assembly with Weight

The Hanging Assembly with Weight includes weight, tubing, and 4x7 barb coupler.



Super Hammer Stake Assembly

The Super Hammer Stake Assembly includes Super Hammer Stake, tubing and 4x7 barb coupler.

Accessories



Anti-Leak Valves

The anti-leak valves are used with the Hanging assemblies for FLF Low Flow Foggers, Rondo Mist Sprays, and Tornado Mist Sprays.



Stakes

Clip Hammer Stake
Spike Stake
Super Hammer Stake



Tubing

4x7 Flex PE Tubing (Black)
The 4x7 tubing is used in the Jet Spray assemblies.

Tools



2.8 mm Punch Tool

The 2.8 mm Punch is the right tool for inserting 4x7 barb coupler into the manifold or hose lateral.



Hose

The PE Hose & Tubing is offered in sizes from 1/2" to 1" in diameter. All of the PE Hose & Tubing products are made with high quality resins. (Section 6)



Filters

Great for drip irrigation systems, the F3200 Metal Screen Filter with Hydraulic Operation is highly efficient and self-cleaning. The filters continue to operate during flushing and utilize a small amount of water during flushing, making the filters very efficient. See section 7 for information on filters.

Quick Reference Chart - Sprays

	Jet Sprays			Mist Spray/Foggers		
	Jet+ Jet Spray	JFR Flow Regulated Jet Spray	Tornado Ray Jet Spray	FLF Fogger	Rondo Mist Spray	Tornado Mist Spray
Characteristics						
Features	Built-in Insect Guard	Flow Regulated	Unique Vortex	Fine Mist	140 Microns Droplets	150 Microns Droplets
Flow Rates	10-28 gph	6-25 gph	7-19 gph	1.5, 3.1, 6.1, 113 gph	12.4, 16.1 gph	6.1, 7.4, 10.6, 13.2 gph
Flow Regulation		✓				
No-Leak				✓ (with Anti-leak Valve)		
Effective Wetted Diameter	15-28 Feet	11-21 Feet	6-11 Feet			
Inlet Connection	3/8" Thread/Female Press Fit		10/32" Thread (5 mm)	Press Fit (Female)	Press Fit (Female)	Press Fit (Male), 10/32" Thread (5 mm)
Operating Guidelines						
Standard Operating Pressure	30 PSI			60 psi	44 PSI	45 PSI
Operating Pressure Range	22 to 44 PSI			51 to 70 PSI	36 to 58 PSI	36 to 50 PSI
Required Opening Pressure				With High Pressure Valve- 51 PSI	With Low Pressure Valve - 29 PSI	
Sealing Pressure				With High Pressure Valve- 20 PSI	With Low Pressure Valve- 8.7 PSI	
Filtration Requirements	<11 gph - 120 mesh (130 microns)			150 mesh (100 microns)		
	11-18 gph - 80 mesh (200 microns)					
	>18 gph - 60 mesh (250 microns)					
Installation Tool	2.8 mm Punch Tool					

Reference Information

Common drip and micro irrigation formulas available in the appendix section on page A.15.

Jet+ Jet Spray

Built-in Insect Guard



1. Jet+ Jet Spray
3/8" Thread/FPF

The Jet+ Jet Sprays deliver low angled streams for under tree applications in orchards or groves. The Jet+ Jet Sprays have built-in insect guards, helping to keep the jets flowing with less maintenance. And with less maintenance, you can reduce labor costs associated with traditional one-piece jets. Choose between 300 and 360 degree spray patterns and nozzles to achieve the desired spray pattern diameter and coverage area.

Jet+ Jet Spray

Jet+ Jet Spray

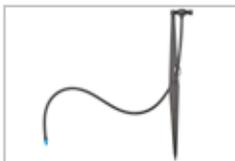
05

Image	Desc.	Spray Pattern	Flow Rate (gph)	Splash Plate	Nozzle	Spray Dia. (ft)	Inlet Connection	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
1	Jet+	300°	10.5	Orange ●	Black ●	15.1	3/8" Thread/ FPF	101003484	500	1,000	4,000	\$0.51	\$2,040.00	CP
	Jet+	300°	13.9	Orange ●	Blue ●	17.7	3/8" Thread/ FPF	101003472	500	1,000	4,000	\$0.51	\$2,040.00	CP
	Jet+	300°	17.4	Orange ●	Dk Blue ●	19	3/8" Thread/ FPF	101003474	500	1,000	4,000	\$0.51	\$2,040.00	CP
	Jet+	300°	20.3	Orange ●	Green ●	23	3/8" Thread/ FPF	101003475	500	1,000	4,000	\$0.51	\$2,040.00	CP
	Jet+	300°	27.7	Orange ●	Red ●	28.2	3/8" Thread/ FPF	101003485	500	1,000	4,000	\$0.51	\$2,040.00	CP
	Jet+	360°	10.5	Black ●	Black ●	15.1	3/8" Thread/ FPF	101003479	100	1,000	4,000	\$0.51	\$2,040.00	ST
	Jet+	360°	13.9	Black ●	Blue ●	17.7	3/8" Thread/ FPF	101003483	500	1,000	4,000	\$0.51	\$2,040.00	CP
	Jet+	360°	17.4	Black ●	Dk Blue ●	19	3/8" Thread/ FPF	101003476	500	1,000	4,000	\$0.51	\$2,040.00	CP
	Jet+	360°	20.3	Black ●	Green ●	23	3/8" Thread/ FPF	101003478	500	1,000	4,000	\$0.51	\$2,040.00	CP
	Jet+	360°	27.7	Black ●	Red ●	28.2	3/8" Thread/ FPF	101003477	500	1,000	4,000	\$0.51	\$2,040.00	CP

Compatible Assemblies



Super Hammer Stake Assembly



3/8" Adapter with 30" Tube and Barb. (Add Spike Stake to complete the assembly. Sold Separately)

Tools



2.8 mm Punch Tool

JFR Flow Regulated Jet Spray

Consistent Flow Rates on Hilly Terrain



1. JFR Flow Regulated Jet Spray
3/8" Thread/FPF

The JFR Flow Regulated Jet Sprays deliver low angled streams for under tree applications in orchards or groves. The flow regulation feature of the JFR allows this jet to be used in applications with long runs and sloping or undulating fields. The JFR Jet Flow Regulated Sprays have built-in insect guards, helping to keep the jets flowing with less maintenance and is available in 300 and 360 spray patterns.

JFR Flow Regulated Jet Spray

JFR Flow Regulated Jet Spray

05

Image	Desc.	Spray Pattern	Flow Rate (gph)	Splash Plate	Nozzle	Spray Dia. (ft)	Inlet Connection	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
1	JFR	300°	6.1	Orange ●	Black ●	11.8	3/8" Thread	101003505	500	1,000	4,000	\$0.72	\$2,880.00	CP
	JFR	300°	7.9	Orange ●	Blue ●	13.8	3/8" Thread	101003507	500	1,000	4,000	\$0.72	\$2,880.00	CP
	JFR	300°	11	Orange ●	Dk Blue ●	14.4	3/8" Thread	101003506	100	1,000	4,000	\$0.72	\$2,880.00	ST
	JFR	300°	14	Orange ●	Green ●	15.1	3/8" Thread	101003512	500	1,000	4,000	\$0.72	\$2,880.00	CP
	JFR	300°	18.5	Orange ●	Red ●	19.7	3/8" Thread	101003508	500	1,000	4,000	\$0.72	\$2,880.00	CP
	JFR	300°	25.1	Orange ●	White ●	20.3	3/8" Thread	101003513	500	1,000	4,000	\$0.72	\$2,880.00	CP
	JFR	360°	6.1	Black ●	Black ●	10.5	3/8" Thread	101003502	500	1,000	4,000	\$0.72	\$2,880.00	CP
	JFR	360°	7.9	Black ●	Blue ●	13.1	3/8" Thread	101003503	500	1,000	4,000	\$0.72	\$2,880.00	CP
	JFR	360°	11	Black ●	Dk Blue ●	13.1	3/8" Thread	201000157	500	1,000	4,000	\$0.72	\$2,880.00	CP
	JFR	360°	14	Black ●	Green ●	14.4	3/8" Thread	201000156	500	1,000	4,000	\$0.72	\$2,880.00	CP
	JFR	360°	18.5	Black ●	Red ●	21	3/8" Thread	101003504	500	1,000	4,000	\$0.72	\$2,880.00	CP
	JFR	360°	25.1	Black ●	White ●	21	3/8" Thread	101003509	500	1,000	4,000	\$0.72	\$2,880.00	CP

Compatible Assemblies



Super Hammer Stake Assembly



3/8" Adapter with 30" Tube and Barb. (Add Spike Stake to complete the assembly. Sold Separately)

Tools



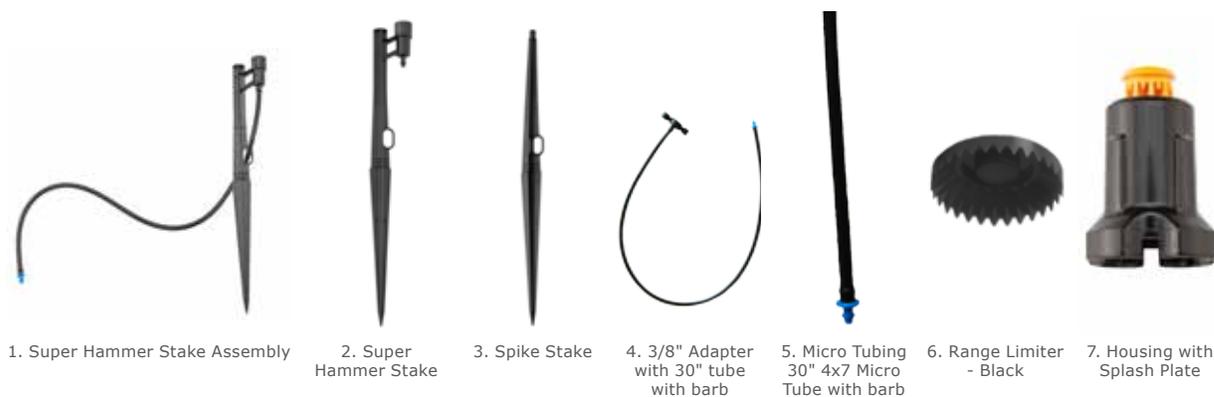
2.8 mm Punch Tool

Assemblies for Jet+ and JFR Jet Sprays

Assemblies for Jet+ and JFR Jet Sprays - (Jets Sold Separately)

05

Image	Description	Tube Color	Tube Length (inch)	Connection	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
	Super Hammer Stake Assembly	Black	24	4x7 Barb	101003715	200		200	\$0.92	\$184.00	ST
	Super Hammer Stake Assembly	Black	30	4x7 Barb	101022683	200		200	\$0.96	\$192.00	ST
	Super Hammer Stake Assembly	Black	36	4x7 Barb	101029444	200		200	\$1.00	\$200.00	ST



1. Super Hammer Stake Assembly

2. Super Hammer Stake

3. Spike Stake

4. 3/8" Adapter with 30" tube with barb

5. Micro Tubing 30" 4x7 Micro Tube with barb

6. Range Limiter - Black

7. Housing with Splash Plate

Accessories for Jet+ and JFR Jet Sprays

05

Image	Description	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status

Tubing for Jet+ and JFR Jet Sprays (Rolls)

06

Image	Description	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
				(bag)	(box)	(ea)	(box)	
1	4x7 Flex PE Black Tube Reel Black 0.059 wall 1640 ft roll	201000847	1	1	1	\$145.70	\$145.70	ST

Tools for Jet+ and JFR Jet Sprays

06

Image	Description	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
				(bag)	(box)	(ea)	(box)	
2	Punch for 4x7 PE Fittings (2.8 mm)	101001881	1	1	1	\$12.08	\$12.08	ST



1. 4x7 Flex PE Roll



2. 2.8 mm Punch For 4x7 mm Tubing

Tornado Ray Jet Spray

Unique Vortex Nozzle

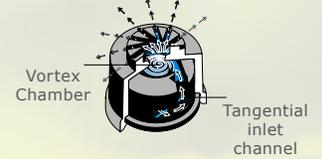


1. Tornado Ray Jet
180° Spray Pattern



2. Tornado Ray Jet
360° Spray Pattern

No moving parts to break, jam, or wear out. The Tornado line of jet stream Sprays provide dependability in numerous irrigation applications, including applications in orchards. The Tornado line of jet stream Sprays uses a vortex nozzle which creates a turbulent water flow throughout the large passage way. And with the turbulent flow and a large passage way clogging hazards are minimized - Even at low flow rates. The Tornado line of jet stream Sprays includes the Tornado Ray Jet Stream Spray and the Tornado Mist Spray. From young trees to established orchards, there's a Tornado Jet Stream Spray that's right for you. Depend on Tornado.



Tornado Jet Spray

Tornado Jet Spray

05

Image	Desc.	Spray Pattern	Flow Rate (gph)	Nozzle	Spray Dia. (ft)	Inlet Connection	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
	Tornado Ray	180° (8)	7.3	Black ●	6.6	10/32" Thread (5 mm)	201000085	500	500	5,000	\$0.22	\$1,100.00	ST
	Tornado Ray	180° (8)	9.8	Blue ●	8.2	10/32" Thread (5 mm)	201000086	500	500	5,000	\$0.22	\$1,100.00	ST
1	Tornado Ray	180° (8)	15.9	Green ●	9.8	10/32" Thread (5 mm)	101003363	500	500	5,000	\$0.22	\$1,100.00	ST
	Tornado Ray	180° (8)	19.9	Red ●	11.2	10/32" Thread (5 mm)	201000087	500	500	5,000	\$0.22	\$1,100.00	ST
	Tornado Ray	300° (10)	7.3	Black ●	5.9	10/32" Thread (5 mm)	101003361	500	500	5,000	\$0.22	\$1,100.00	ST
	Tornado Ray	300° (10)	9.8	Blue ●	6.9	10/32" Thread (5 mm)	201000083	500	500	5,000	\$0.22	\$1,100.00	ST
	Tornado Ray	300° (10)	15.9	Green ●	8.2	10/32" Thread (5 mm)	201000084	500	500	5,000	\$0.22	\$1,100.00	ST
	Tornado Ray	300° (10)	19.9	Red ●	10.5	10/32" Thread (5 mm)	201000088	500	500	5,000	\$0.22	\$1,100.00	ST
	Tornado Ray	360° (12)	7.3	Black ●	4.1	10/32" Thread (5 mm)	201000079	500	500	5,000	\$0.22	\$1,100.00	ST
2	Tornado Ray	360° (12)	9.8	Blue ●	5.6	10/32" Thread (5 mm)	201000080	500	500	5,000	\$0.22	\$1,100.00	ST
	Tornado Ray	360° (12)	15.9	Green ●	6.6	10/32" Thread (5 mm)	201000081	500	500	5,000	\$0.22	\$1,100.00	ST
	Tornado Ray	360° (12)	19.9	Red ●	7.9	10/32" Thread (5 mm)	201000082	500	500	5,000	\$0.22	\$1,100.00	ST

Compatible Assemblies



Clip Hammer Stake



4x7 Micro Tubing with Barb

Tools



2.8 mm Punch Tool (Section 10)

Accessories for Tornado Ray Jet Spray

Accessories for Jet+ and JFR Jet Sprays

05

Image	Description	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
				(bag)	(box)	(ea)	(box)	
	1. Clip Hammer Stake Black 14"	201000258	350		350	\$0.42	\$147.00	ST
	2. 30" Micro Tube 4x7 Black PE with Barb	101003699	1,000		1,000	\$0.47	\$470.00	ST
	36" Micro Tube 4x7 Black PE with Barb	101010933	1,000		1,000	\$0.49	\$490.00	ST
	48" Micro Tube 4x7 Black PE with Barb	101022682	1,000		1,000	\$0.78	\$780.00	ST



1. Clip Hammer Stake

2. Micro Tubing
30" 4x7 Micro Tube
with barb

Tubing for Tornado Ray Jet Sprays (Rolls)

06

Image	Description	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
				(bag)	(box)	(ea)	(box)	
	3. 4x7 Flex PE Black Tube Reel Black 0.059 wall 1640 ft roll	201000847	1	1	1	\$145.70	\$145.70	ST

Tools for Tornado Ray Jet Sprays

06

Image	Description	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
				(bag)	(box)	(ea)	(box)	
	4. 2.8 mm Punch For 4x7 mm Tubing	101001881	1	1	1	\$12.08	\$12.08	ST

3. 4x7 Flex PE
Roll4. 2.8 mm Punch
For 4x7 mm
Tubing

FLF Low Flow Fogger

Low flow rates, finest droplets



1. FLF Fogger
1-Way (Single)



2. FLF Fogger
2-Way



3. FLF Fogger
4-Way

Growers choose the FLF (Fogger - Low Flow) as a method to alter the humidity and the temperature in both greenhouses and high tunnels. The FLF is so versatile that it can be used as part of a cooling system for animal husbandry, greenhouses and for changing the humidity levels in greenhouses. Because of the unique vortex flow, the FLF delivers the finest droplets. Team up the FLF with an anti-leak mini-valve and you've got a system with some serious control. Once the irrigation system is shut off, the FLF foggers stop immediately without any further drainage. The FLF produces an average droplet size of 70 microns. The single FLF are used in propagation, while the 2-Way and 4-Way FLF Foggers are used to help in cooling and increasing humidity.

2-Way foggers placed overhead



4-Way fogger placed overhead



FLF Low Flow Fogger

FLF Low Flow Fogger

05

Image	Description	Flow Rate (gph)	Nozzle Color	Special Feature	Inlet Connection	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (bag)	Order Status
1	Fogger 1-Way (Single)	1.5	Lt. Blue	Anti-leak Valve	Female Conic	101003679	100	1,000	3,000	\$2.37	\$2,370.00	CP
2	Fogger 2-Way	3.1	Lt. Blue		Female Conic	101008234	100	500	2,500	\$1.58	\$790.00	CP
	Fogger 2-Way	3.1	Lt. Blue	Anti-leak Valve	Female Conic	101003675	100	250	1,500	\$2.48	\$620.00	CP
	Fogger 4-Way	6.1	Lt. Blue		Female Conic	101003664	100	500	2,000	\$2.85	\$1,425.00	CP
	Fogger 4-Way	6.1	Lt. Blue	Anti-leak Valve	Female Conic	101003673	100	250	1,000	\$3.76	\$940.00	CP
3	Fogger 4-Way	11.3	Dk. Blue		Female Conic	101009819	100	500	2,000	\$2.85	\$1,425.00	CP
	Fogger 4-Way	11.3	Dk. Blue	Anti-leak Valve	Female Conic	101003671	100	250	1,000	\$3.76	\$940.00	CP

Compatible Assemblies



Hanging Assembly - Weight



Hanging Tube Extension 48"

Tools



2.8 mm Punch Tool

Assemblies for FLF Low Flow Foggers

Assemblies for FLF Foggers - (Fogger Sold Separately)

05

Image	Description	Tube Color	Tube Length (inch)	Special Feature	Connection	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
1	Hanging Assembly - Weight	Black	12	Weight	Male Conic	101012467	250	250	250	\$1.38	\$345.00	MTO
	Hanging Assembly - Weight	Black	24	Weight	Male Conic	101003694	250	250	250	\$1.55	\$387.50	MTO
	Hanging Assembly - Weight	Black	36	Weight	Male Conic	101022573	250	250	250	\$1.73	\$432.50	MTO
	Hanging Assembly - Weight	Black	48	Weight	Male Conic	101022574	250	250	250	\$1.91	\$477.50	MTO
2	Hanging Tube Extension	Black	48			101022575	250	250	250	\$0.72	\$180.00	MTO

Accessories for FLF Foggers

05

Image	Description	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
3	Sprinkler Tube Weight (White)	101003723	400		400	\$0.49	\$196.00	ST
4	Fogger Anti-Leak Valve high pressure, Female Press-Fit x Male Press-Fit (opens at 51 PSI) - Light Blue (single Direction)	201000236	50	1,000	3,000	\$1.47	\$4,410.00	ST
5	Barb Coupling (Blue) For 4x7 Tubing	201000205	500	5,000	25,000	\$0.12	\$3,000.00	ST
6	Barb X Male Press-Fit For 4x7 Tubing	101001882	500	5,000	25,000	\$0.15	\$3,750.00	ST

Tubing for FLF Foggers (Rolls)

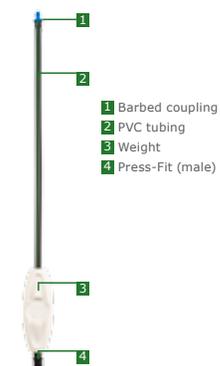
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Image	Description	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
7	4x7 Flex PVC Black, 0.059 wall, 656 foot roll	101003743	1	1	1	\$63.36	\$63.36	CP

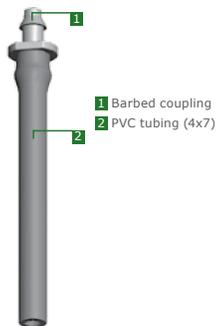
Tools for FLF Foggers

06

Image	Description	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
8	Punch for 4x7 PE Fittings (2.8 mm)	101001881	1	1	1	\$12.08	\$12.08	ST



1. Hanging Assembly with Weight - 12"



2. Hanging Tube Extension 48"



3. Weight White



4. Fogger Anti-Leak Valve Female Press-Fit x Male



5. Barb Coupling For 4x7 mm Tubing x Male



6. Barb x Male Press Fit For 4x7 mm Tubing



7. 4x7 Flex PE Roll



8. 2.8 mm Punch For 4x7 mm Tubing

Rondo and Tornado Mist Spray

Low flow rates, finest droplets



1. Rondo Mist Spray



2. Tornado Mist Spray

The Rondo Mist Spray is ideal for irrigating during seed germination and cutting propagation. And the mist produced from both the Tornado and the Rondo Mist Sprays can be used as climate control or to affect the humidity in greenhouses. The Rondo Mist Spray produces an average droplet size of 150 microns and is suitable for inverted installations. The Tornado delivers an uninterrupted 360 degree spray pattern and an average droplet size of 140 microns. Additionally, the Tornado uses a vortex flow mechanism, which reduces the possibility of clogging. For your misting needs, look no further than the Rondo or the Tornado Mist Sprays.

Rondo Mist Spray

Rondo Mist Spray (150 micron droplets)

05

Image	Description	Inlet Connection	Flow Rate (gph)	Spinner Color	Nozzle Color	Spray Diameter (ft)	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
1	Rondo Mist	Press-Fit	10.5	Violet	Black	6.5	201000281	500	500	2,000	\$0.66	\$1,320.00	MTO
	Rondo Mist	Press-Fit	13.9	Violet	Blue	6.5	101022981	500	500	2,000	\$0.66	\$1,320.00	MTO

Tornado Mist Spray

Tornado Mist Spray (140 micron droplets)

05

Image	Description	Inlet Connection	Flow Rate (gph)	Nozzle Color	Spray Diameter (ft)	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
2	Tornado Mist	Press-Fit (male)	6.2	Black	3.3	201000096	500	500	5,000	\$0.36	\$1,800.00	CP
	Tornado Mist	Press-Fit (male)	7.5	Blue	3.3	201000097	500	500	5,000	\$0.36	\$1,800.00	CP
	Tornado Mist	Press-Fit (male)	10.8	Green	3.3	201000098	500	500	5,000	\$0.36	\$1,800.00	CP
	Tornado Mist	Press-Fit (male)	13.5	Red	3.3	201000099	500	500	5,000	\$0.36	\$1,800.00	CP
	Tornado Mist	10/32" Thread (5 mm)	6.2	Black	3.3	201000100	500	500	5,000	\$0.36	\$1,800.00	CP
	Tornado Mist	10/32" Thread (5 mm)	10.8	Green	3.3	101003369	500	500	5,000	\$0.36	\$1,800.00	CP
	Tornado Mist	10/32" Thread (5 mm)	13.5	Red	3.3	201000102	500	500	5,000	\$0.36	\$1,800.00	CP

Compatible Assemblies



Hanging Assembly - Weight



Hanging Tube Extension 48"

Tools



2.8 mm Punch Tool (Section 10)

Assemblies for Mist Sprays

Assemblies for Mist Sprays - (Mist Spray Sold Separately)

05

Image	Description	Tube Color	Tube Length (inch)	Special Feature	Connection	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
1	Hanging Assembly - Weight	Black	12	Weight	Male Conic	101012467	250	250	250	\$1.38	\$345.00	MTO
	Hanging Assembly - Weight	Black	24	Weight	Male Conic	101003694	250	250	250	\$1.55	\$387.50	MTO
	Hanging Assembly - Weight	Black	36	Weight	Male Conic	101022573	250	250	250	\$1.73	\$432.50	MTO
	Hanging Assembly - Weight	Black	48	Weight	Male Conic	101022574	250	250	250	\$1.91	\$477.50	MTO
2	Hanging Tube Extension	Black	48			101022575	250	250	250	\$0.72	\$180.00	MTO

Accessories for Mist Sprays

05

Image	Description	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
3	Sprinkler Tube Weight (White)	101003723	400		400	\$0.49	\$196.00	ST
4	Sprinkler Anti-Leak Valve, Female Press-Fit x Male Press-Fit (opens at 29 PSI) - Gray (Dual Direction)	201000202	50	1000	5,000	\$1.47	\$7,350.00	ST
5	Sprinkler Anti-Leak Valve, Barb x Male Press-Fit (opens at 29 PSI) Grey (Dual Direction)	201000204	50	1000	5,000	\$1.47	\$7,350.00	ST
6	Barb Coupling (Blue) For 4x7 Tubing	201000205	500	5,000	25,000	\$0.12	\$3,000.00	ST
7	Barb X Male Press-Fit For 4x7 Tubing	101001882	500	5,000	25,000	\$0.15	\$3,750.00	ST
8	Barb X Female Press-Fit For 4x7 Tubing	101001966	500	5,000	25,000	\$0.14	\$3,500.00	ST
9	Press-Fit Male X Male (Sprinkler Press-Fit)	101003735	100	100	5,000	\$0.16	\$800.00	ST
10	Press-Fit Female X Female (Sprinkler Press-Fit)	101003736	100	100	5,000	\$0.16	\$800.00	ST
	Adapter - Female Press-Fit x Female (Competitor)	101003738	100	100	5,000	\$0.35	\$1,750.00	ST
	Adapter - Male Press-Fit x Female (Competitor)	101003739	100	100	5,000	\$0.35	\$1,750.00	ST
11	1/2" FPT X Female Press-Fit Adapter	201000276	100	100	5,000	\$0.17	\$850.00	ST
	Rondo Mist Spray Deflector (Violet)	201000187	500	5,000	30,000	\$0.07	\$2,100.00	ST

Tools for Mist Sprays

06

Image	Description	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
12	Punch for 4x7 PE Fittings (2.8 mm)	101001881	1	1	1	\$12.08	\$12.08	ST

Tubing for Mist Sprays (Rolls)

06

Image	Description	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
13	4x7 Flex PVC Black, 0.059 wall, 656 foot roll	101003743	1	1	1	63.36	63.36	CP

1. Hanging Assembly with Weight - 12"
Rivulis.com

2. Hanging Tube Extension 48"

3. Weight White

4, 5. Fogger Anti-Leak Valve Female Press-Fit x Male

6. Barb Coupling For 4x7 mm Tubing

7. Barb x Male Press Fit For 4x7 mm Tubing

8. Barb x Female Press Fit For 4x7 mm Tubing

9. Press Fit Connector Male X Male

10. Press Fit Female X Female

11. Adaptor for Foggers and Tornado Jet sprayer 1/2" FPT X Female Press-Fit

12. 2.8 mm Punch For 4x7 mm Tubing

13. 4x7 Flex PE Roll

Rivulis
Irrigation

October 2015 4.12

Sprinklers

Applications

Greenhouse • Nursery • Orchards

The Rivulis lines of Micro Sprinklers provide excellent coverage for irrigation, dust control, and frost protection. All of the Micro Sprinklers are built to last and come in a variety of flow rates and are compatible with several assemblies.



Micro Sprinkler Selection



Rondo Micro Sprinkler (Inverted) Applications

The Rondo Micro Sprinkler is a great choice for orchards and greenhouses. With a wide range of configurable features and flexible installation options, the Rondo Micro Sprinkler can deliver the spray pattern that's right for your crop. The Rondo Micro Sprinkler delivers gentle droplets and a consistent spray pattern while inverted in greenhouses.



S2000 Micro Sprinkler

The S2000 Micro Sprinklers are the ideal choice for a wide range of applications including irrigation, dust control, and frost protection for orchards and groves. Built to last, the S2000 Micro Sprinkler line incorporates a strong bridge, built-in anti-insect device, and a wear resistant design. The S2000 Micro Sprinkler delivers a consistent spray pattern at a low angle, avoiding low hanging branches.



S2000 Flow Regulated Micro Sprinkler

The S2000 Flow Regulated Micro Sprinkler has the added feature of flow regulation, extending the use of the sprinklers to applications with sloping fields and long lateral runs.

Assemblies



Hanging Assembly with Weight

The Hanging Assembly with weight includes weight, tubing, barb x male press fit fitting and 4x7 Barb coupler. (Rondo Inverted)



Stake Assembly - Super Hammer Stake

Stake, tubing (24", 30" or 36"), and barb coupler. S2000 Micro Sprinkler head sold separately.



Tubing Assembly

Tubing (24", 30" 36" or 48") and barb coupler. To be used with Clip Hammer Stake and 5 mm thread S2000 Micro Sprinkler head.



Tubing Assembly (PF)

24" Tubing, barb coupler, and male press fit fitting. To be used with Clip Hammer Stake and press fit S2000 Micro Sprinkler head. (201000256)



Tubing Assembly (with Meteor Adapter)

Tubing 30", barb coupler, and meteor 44 adapter. To be used with Spike Stake and 3/8" thread S2000 Micro Sprinkler head. (201003449)

Accessories

**Stakes**

Clip Stake
Spike Stake
Super Hammer Stake

**Tubing**

4x7 Flex PE Tubing (Black)
The 4x7 tubing is used in the Jet Spray assemblies.

**Anti-Leak Valves**

The dual direction anti-leak valves are used with the hanging assemblies for the inverted Rondo Micro Sprinklers.

**Meteor Adaptor 44**

The Meteor Adaptors connect the 3/8" micro sprinklers to a spike stake and tubing.

Tools

**2.8 mm Punch Tool**

The 2.8 mm Punch is the right tool for inserting 4x7 barb coupler into the manifold or hose lateral.

**Hose**

The PE Hose & Tubing is offered in sizes from 1/2" to 1" in diameter. All of the PE Hose & Tubing products are made with high quality resins. (Section 6)

**Filters**

Great for drip irrigation systems, the F3200 Metal Screen Filter with Hydraulic Operation is highly efficient and self-cleaning. The filters continue to operate during flushing and utilize a small amount of water during flushing, making the filters very efficient. See section 7 for information on filters.

Quick Reference Chart - Sprinklers

	Rondo (Inverted Applications)	S2000	S2000 Flow Regulated
Characteristics			
Features	Inverted Applications	Built-in anti-insect, wear resistant design	Accurate Flow Delivery
Flow Rates	13.9-27.7 gph	6.4-27.2 gph	6-25 gpm
Flow Regulation			√
No-Leak	Compatible with gray anti-leak valves		
Effective Wetted Diameter	8-10.7 Ft.	21-33 Feet, 3-7 Ft. with Range Limiter	16-24 Feet, 3-5 Ft. with Range Limiter
Inlet Connection	Press Fit Female (FPF)	3/8" Thread, 5 mm Thread	3/8" Thread
Operating Guidelines			
Standard Operating Pressure	30 PSI	20 PSI	
Operating Pressure Range	30-58 PSI	20-35 PSI	20-50 PSI, >19.6 gph - 25-50 PSI
Required Opening Pressure			
Filtration Requirements		<11 gph - 120 mesh (120 microns)	
		11-18 gph - 80 mesh (200 microns)	
		>18 gph - 60 mesh (250 microns)	
Installation Tool		2.8 mm Punch Tool	

Reference Information

Common drip and micro irrigation formulas available in the appendix section on page A.15.

Rondo Micro Sprinkler

Consistent Spray Pattern



1. Rondo
Press-Fit

The Rondo Micro Sprinkler is a medium range sprinkler that is a great choice for greenhouses. The Rondo delivers gentle droplets and a consistent spray pattern while inverted in greenhouses. The Rondo's spray pattern size is moderate to wide. As an additional feature, Rondo is designed to be easily disassembled, allowing for both field maintenance and replacement of individual parts. The Rondo is available with optional features including deflector plates, providing specialized spray patterns.

Spray Patterns:

Green Spinner - Convex

Blue Spinner - Flat

Rondo Micro Sprinkler

Rondo Micro Sprinklers (Inverted Applications)

05

Image	Description	Inlet Connection	Flow Rate (gph)	Spinner Color	Nozzle Color	Spray Diameter (ft)	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
1	Rondo	Press-Fit (Female)	13.9	Green ●	Blue ●	8.6	201005978	500	500	2,000	\$0.63	\$1,260.00	MTO
	Rondo	Press-Fit (Female)	17.4	Green ●	Dk Blue ●	8.6	101028763	500	500	2,000	\$0.63	\$1,260.00	MTO
	Rondo	Press-Fit (Female)	20.3	Green ●	Green ●	9.8	201000278	500	500	2,000	\$0.63	\$1,260.00	MTO
	Rondo	Press-Fit (Female)	27.7	Green ●	Red ●	10.7	201000277	500	500	2,000	\$0.63	\$1,260.00	MTO
	Rondo	Press-Fit (Female)	13.9	Blue ●	Blue ●	7.4	101003433	500	500	2,000	\$0.63	\$1,260.00	MTO
	Rondo	Press-Fit (Female)	20.3	Blue ●	Green ●	8.0	101003443	500	500	2,000	\$0.63	\$1,260.00	MTO

Assemblies for Rondo Micro Sprinkler (inverted Applications)

Assemblies for Rondo Micro Sprinkler - (Sprinkler Head Sold Separately)

05

Image	Description	Tube Color	Tube Length (inch)	Special Feature	Connection	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
	Hanging Assembly - Weight	Black	12	Weight	Male Conic	101012467	250	250	250	\$1.38	\$345.00	MTO
2	Hanging Assembly - Weight	Black	24	Weight	Male Conic	101003694	250	250	250	\$1.55	\$387.50	MTO
	Hanging Assembly - Weight	Black	36	Weight	Male Conic	101022573	250	250	250	\$1.73	\$432.50	MTO
	Hanging Assembly - Weight	Black	48	Weight	Male Conic	101022574	250	250	250	\$1.91	\$477.50	MTO
3	Hanging Assembly Extension	Black	48			101022575	250	250	250	\$0.72	\$180.00	MTO

Compatible Assemblies



Hanging Assembly with
Weight



Hanging Assembly
Extension 48"

Tools



2.8 mm Punch Tool (Section
10)

Accessories for Rondo Micro Sprinkler (inverted Applications)

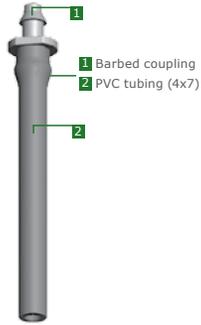
Accessories for Rondo Micro Sprinkler (Inverted Applications)

05

Image	Description	Item Number	Min. Order Quantity	Qty		Price		Order Status
				(bag)	(box)	(ea)	(box)	
4	Sprinkler Tube Weight (White)	101003723	400		400	\$0.49	\$196.00	ST
5	Sprinkler Anti-Leak Valve, Female Press-Fit x Male Press-Fit (opens at 29 PSI) - Gray (Dual Direction)	201000202	50	1,000	5,000	\$1.47	\$7,350.00	ST
6	Sprinkler Anti-Leak Valve, Barb x Male Press-Fit (opens at 29 PSI) Grey (Dual Direction)	201000204	50	1,000	5,000	\$1.47	\$7,350.00	ST
7	Barb Coupling (Blue) For 4x7 Tubing	201000205	500	5,000	25,000	\$0.12	\$3,000.00	ST
8	Barb X Male Press-Fit For 4x7 Tubing	101001882	500	5,000	25,000	\$0.15	\$3,750.00	ST
9	Barb X Female Press-Fit For 4x7 Tubing	101001966	500	5,000	25,000	\$0.14	\$3,500.00	ST
10	Press-Fit Male X Male (Sprinkler Press-Fit)	101003735	100	100	5,000	\$0.16	\$800.00	ST
11	Press-Fit Female X Female (Sprinkler Press-Fit)	101003736	100	100	5,000	\$0.16	\$800.00	ST
	Adapter - Female Press-Fit x Female (Competitor)	101003738	100	100	5,000	\$0.35	\$1,750.00	ST
	Adapter - Male Press-Fit x Female (Competitor)	101003739	100	100	5,000	\$0.35	\$1,750.00	ST



2. Sprinkler Tube Weight Assembly 12"



3. Hanging Assembly Extension 48"



4. Weight White



5. Anti-Leak Valve Female Press Fit x Male Press Fit



6. Anti-Leak Valve Male Press-Fit x Barb



7. Barb Coupling For 4x7 mm Tubing



8. Barb x Male Press Fit For 4x7 mm Tubing



9. Barb x Female Press Fit For 4x7 mm Tubing



10. Press Fit Connector Male X Male



11. Press Fit Female X Female

Rolls of Tubing for Rondo Micro Sprinkler (Inverted Applications)

06

Image	Description	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
				(bag)	(box)	(ea)	(box)	
1	4x7 Flex PVC Black, 0.059 wall, 656 foot roll	101003743	1	1	1	\$63.36	\$63.36	CP

Tools for Rondo Micro Sprinkler (Inverted Applications)

06

Image	Description	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
				(bag)	(box)	(ea)	(box)	
2	Punch for 4x7 PE Fittings (2.8 mm)	101001881	1	1	1	\$12.08	\$12.08	ST



1. 4x7 Flex PE Roll



2. 2.8 mm Punch For 4x7 mm Tubing

Parts for Rondo Micro Sprinkler

Sprinkler Parts for Rondo Micro Sprinkler (inverted applications)

05

Image	Category	Description	Item Number	Min. Order Quantity	Qty		Price		Order Status
					(bag)	(box)	(ea)	(box)	
1	Bridge	Rondo Double Bridge	201000185	500		4,500	\$0.10	\$450.00	ST
2	Deflector	Rondo Mist Spray Deflector (Violet)	201000187	500	5,000	30,000	\$0.07	\$2,100.00	ST
3	Deflector	Rondo Spray Deflector (180 -Red)	201000189	500	5,000	30,000	\$0.07	\$2,100.00	CP
4	Deflector	Rondo Spray Deflector (360 -Green)	201000238	500	5,000	30,000	\$0.07	\$2,100.00	CP
5	Deflector	Rondo Spray Deflector (2x30 strip -Blue)	201000275	500	5,000	30,000	\$0.07	\$2,100.00	CP
6	Nozzle	Rondo Nozzle 13.9 gph Blue Press-Fit	201000167	500	8,000	8,000	\$0.10	\$800.00	ST
	Nozzle	Rondo Nozzle 17.4 gph DK Blue Press-Fit	201000922	500	8,000	8,000	\$0.10	\$800.00	ST
	Nozzle	Rondo Nozzle 20.3 gph Green Press-Fit	201000168	500	8,000	8,000	\$0.10	\$800.00	ST
	Nozzle	Rondo Nozzle 27.7 gph Red Press-Fit	201000169	500	8,000	8,000	\$0.10	\$800.00	ST
7	Spinner	Rondo Spinner Green (Inverted Applications)	201000182	250	5,000	15,000	\$0.10	\$1,500.00	ST
8	Spinner	Rondo Spinner Blue (Inverted Applications)	201000181	250	5,000	15,000	\$0.10	\$1,500.00	ST



1. Rondo Double Bridge



2. Rondo Mist Spray Deflector (Violet)



3. Rondo Spray Deflector (180 -Red)



4. Rondo Spray Deflector (360 -Green) Spinner



5. Rondo Spray Deflector (2x30 strip -Blue)



6. Rondo Nozzle



7. Rondo Spinner Green (Inverted Application)



8. Rondo Spinner Blue (Inverted Application)

Sprinkler Parts for Rondo Micro Sprinkler (upright/Stake applications)

05

Image	Category	Description	Item Number	Min. Order Quantity	Qty		Price		Order Status
					(bag)	(box)	(ea)	(box)	
9	Spinner	RFR Spinner Grey (upright Applications)	201000180	250	5,000	15,000	\$0.10	\$1,500.00	ST
	Spinner	RFR Spinner Grey with Range Limiter (upright Applications)	201000252	250	5,000	15,000	\$0.10	\$1,500.00	ST
	Spinner	Rondo Spinner Black (upright Applications)	201000179	250	5,000	15,000	\$0.10	\$1,500.00	ST
10	Spinner	Rondo Spinner Black with Range Limiter (upright Applications)	201000184	250	5,000	15,000	\$0.10	\$1,500.00	ST



9. RFR Spinner Grey



10. RFR Spinner Grey with Range Limiter

S2000 Micro Sprinkler

Rugged, Insect Resistant



1. S2000 Micro Sprinkler 3/8" Thread



2. S2000 Micro Sprinkler 5 mm Thread

The Rivulis S2000 Micro Sprinklers are ideal choices for a wide range of applications including short-term crops such as vegetables and long-term crops such as orchards. Built to last, the S2000 Micro Sprinkler incorporate a robust bridge, built-in anti-insect protection, and a wear resistant design. In addition to the standard features, the S2000 Micro Sprinkler can be configured with add-on features like the spinner with integral range limiter for a smaller wetting diameter around young trees. The S2000 Micro Sprinkler can be installed in different ways including using a plastic stake, a metal stake, or clipped on a wire. The Rivulis S2000 Micro Sprinkler is also simple to maintain because it can be easily disassembled, allowing for both field maintenance and replacement of individual parts. You can always count on the flexibility and reliability of the Rivulis S2000 Micro Sprinkler to deliver the results you need.



S2000 Micro Sprinkler with Trunk Protector

S2000 Micro Sprinkler

S2000 Micro Sprinklers (Sprinkler Head Only)

05

Image	Description	Inlet Connection	Flow Rate (gph)	Spinner Color	Nozzle Color	Spray Diameter (ft)	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
1	S2000	3/8" / Press-Fit	6.4	Black ●	Lt. Blue ●	21	101042242	250	250	1,500	\$0.79	\$1,185.00	ST
	S2000	3/8" / Press-Fit	8.3	Black ●	Black ●	20	101028804	250	250	1,500	\$0.79	\$1,185.00	ST
	S2000	3/8" / Press-Fit	11.1	Black ●	Blue ●	21	101042198	250	250	1,500	\$0.79	\$1,185.00	ST
	S2000	3/8" / Press-Fit	13.3	Black ●	DK Blue ●	23	101042199	250	250	1,500	\$0.79	\$1,185.00	ST
	S2000	3/8" / Press-Fit	16.4	Black ●	Green ●	26	101028805	250	250	1,500	\$0.79	\$1,185.00	ST
	S2000	3/8" / Press-Fit	21.1	Black ●	Red ●	30	101042200	250	250	1,500	\$0.79	\$1,185.00	ST
	S2000	3/8" / Press-Fit	27.2	Black ●	White ●	33	101028806	250	250	1,500	\$0.79	\$1,185.00	ST
	S2000	5 mm Thread	6.4	Black ●	Lt. Blue ●	21	101042246	250	250	1,500	\$0.79	\$1,185.00	MTO
	S2000	5 mm Thread	8.3	Black ●	Black ●	20	101042207	250	250	1,500	\$0.79	\$1,185.00	MTO
	S2000	5 mm Thread	11.1	Black ●	Blue ●	21	101042208	250	250	1,500	\$0.79	\$1,185.00	MTO
2	S2000	5 mm Thread	13.3	Black ●	DK Blue ●	23	101042209	250	250	1,500	\$0.79	\$1,185.00	MTO
	S2000	5 mm Thread	16.4	Black ●	Green ●	26	101042210	250	250	1,500	\$0.79	\$1,185.00	MTO
	S2000	5 mm Thread	21.1	Black ●	Red ●	30	101042211	250	250	1,500	\$0.79	\$1,185.00	MTO
	S2000	5 mm Thread	27.2	Black ●	White ●	33	101042212	250	250	1,500	\$0.79	\$1,185.00	MTO
	S2000	5 mm Thread	27.2	Black ●	White ●	33	101042212	250	250	1,500	\$0.79	\$1,185.00	MTO

Compatible Assemblies



Stake Assembly - Super Hammer Stake. Stake, tubing (24", 30" or 36"), and barb coupler. S2000 Micro Sprinkler head sold separately.



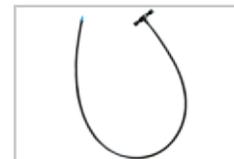
Tubing Assembly. Tubing (24", 30" or 36") and barb coupler. To be used with Clip Hammer Stake and 5 mm Thread S2000 Micro Sprinkler head.



Clip Hammer Stake



Tubing Assembly (PF). 24" Tubing, barb coupler, and male press fit fitting. To be used with Clip Hammer Stake and press fit S2000 Micro Sprinkler head. (201000256)



Tubing Assembly (with Meteor Adapter). Tubing 30", barb coupler, and meteor 44 adapter. To be used with Spike Stake and 3/8" thread S2000 Micro Sprinkler head. (201003449)



2.8 mm Punch Tool

Tools

S2000 Micro Sprinklers

S2000 Micro Sprinklers with Range Limiter (Sprinkler Head Only)

05

Image	Description	Inlet Connection	Flow Rate (gph)	Spinner Color	Nozzle Color	Spray Diameter		Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
						Limiter (ft)	(ft)							
	S2000	3/8" / Press-Fit	6.4	Black RL ●	Lt. Blue ●	3	21	101042247	250	250	1,500	\$0.79	\$1,185.00	ST
	S2000	3/8" / Press-Fit	8.3	Black RL ●	Black ●	3	20	101028809	250	250	1,500	\$0.79	\$1,185.00	ST
	S2000	3/8" / Press-Fit	11.1	Black RL ●	Blue ●	5	21	101042249	250	250	1,500	\$0.79	\$1,185.00	ST
	S2000	3/8" / Press-Fit	13.3	Black RL ●	DK Blue ●	5	23	101042250	250	250	1,500	\$0.79	\$1,185.00	ST
	S2000	3/8" / Press-Fit	16.4	Black RL ●	Green ●	5	26	101028810	250	250	1,500	\$0.79	\$1,185.00	ST
	S2000	3/8" / Press-Fit	21.1	Black RL ●	Red ●	5	30	101042271	250	250	1,500	\$0.79	\$1,185.00	ST
	S2000	3/8" / Press-Fit	27.2	Black RL ●	White ●	7	33	101028811	250	250	1,500	\$0.79	\$1,185.00	ST

Assemblies for S2000 Micro Sprinklers

Assemblies for S2000 Micro Sprinklers - (Sprinkler Sold Separately)

05

Image	Description	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
	Stake Assembly - Super Hammer Stake, 24" 4x7 PE Tubing, Barb Coupler	101003715	200	200	200	\$0.92	\$184.00	MTO
	Stake Assembly - Super Hammer Stake, 30" 4x7 PE Tubing, Barb Coupler	101022683	200	200	200	\$0.96	\$192.00	MTO
	Stake Assembly - Super Hammer Stake, 36" 4x7 PE Tubing, Barb Coupler	101029444	200	200	200	\$1.00	\$200.00	MTO
	Tubing Assembly - 24" 4x7 PE Tubing, Barb Coupler*	201000255	1,000	1,000	1,000	\$0.45	\$450.00	ST
	Tubing Assembly - 30" 4x7 PE Tubing, Barb Coupler*	101003699	1,000	1,000	1,000	\$0.47	\$470.00	ST
	Tubing Assembly - 36" 4x7 PE Tubing, Barb Coupler*	101010933	1,000	1,000	1,000	\$0.49	\$490.00	ST
	Tubing Assembly (PF) - 24" 4x7 PE Tubing, Press-Fit Connector, Barb Coupler	201000256	1,000	1,000	1,000	\$0.45	\$450.00	MTO
	Tubing Assembly (With Meteor 44) - 3/8" Adapter (for Spike Stake), 30" Tube, Barb Coupler.	201003449	250	250	250	\$0.54	\$135.00	MTO

*Meteor 44 Adapter is necessary to attach to 3/8"/Press-Fit Sprinklers models. For completing a stake assembly, purchase Clip Hammer Stake separately.

S2000 Flow Regulated Micro Sprinkler

Accurate Flow Rate Delivery



1. S2000 Flow Regulated Micro Sprinkler 3/8" Thread

The Rivulis S2000 Flow Regulated Micro Sprinklers are ideal choices for a wide range of applications including short-term crops such as vegetables and long-term crops such as orchards. Built to last, the S2000 Micro Sprinklers incorporate robust bridges, built-in anti-insect protection, and a wear resistant design. In addition to the standard features, the S2000 Micro Sprinkler can be configured with add-on features like the spinner with integral range limiter for a smaller wetting diameter around young trees. The S2000 Flow Regulated Micro Sprinkler has the added feature of flow regulation extending the use of the sprinklers in applications with sloping fields or long lateral runs. The S2000 Micro Sprinkler can be installed in different ways including using a plastic stake, a metal stake, or a wire clip. The Rivulis S2000 Micro Sprinkler is also simple to maintain because it can be easily disassembled, allowing for both field maintenance and replacement of individual parts.

S2000 Flow Regulated Micro Sprinkler

S2000 Flow Regulated Micro Sprinklers (Sprinkler Head Only)

05

Image	Description	Inlet Connection	Flow Rate (gph)	Spinner Color	Nozzle Color	Spray Diameter (ft)	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
	S2000 FR	3/8" Thread	6	Gray ●	Black ●	16	101028818	250	250	1,500	\$1.35	\$2,025.00	ST
	S2000 FR	3/8" Thread	8	Gray ●	Blue ●	16	101042220	250	250	1,500	\$1.35	\$2,025.00	ST
	S2000 FR	3/8" Thread	11	Gray ●	DK Blue ●	19	101042221	250	250	1,500	\$1.35	\$2,025.00	ST
1	S2000 FR	3/8" Thread	14	Gray ●	Green ●	19	101028819	250	250	1,500	\$1.35	\$2,025.00	ST
	S2000 FR	3/8" Thread	19	Gray ●	Red ●	23	101042222	250	250	1,500	\$1.35	\$2,025.00	ST
	S2000 FR	3/8" Thread	25	Gray ●	White ●	24	101028820	250	250	1,500	\$1.35	\$2,025.00	ST

Compatible Assemblies



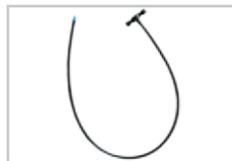
Stake Assembly - Super Hammer Stake. Stake, tubing (24", 30" or 36"), and barb coupler. S2000 Micro Sprinkler head sold separately.



Tubing Assembly. Tubing (24", 30" or 36") and barb coupler. Must add Meteor 44 to work with Clip Hammer Stake and S2000 3/8" Thread micro Sprinkler.



Clip Hammer Stake



Tubing Assembly (with Meteor Adapter). Tubing 30", barb coupler, and Meteor 44 adapter. To be used with Spike Stake and 3/8" thread S2000 head. (201003449)

Tools



2.8 mm Punch Tool (Section 10)

S2000 Flow Regulated Micro Sprinkler

S2000 Flow Regulated Micro Sprinklers with Range Limiter (Sprinkler Head Only)

05

Image	Description	Inlet Connection	Flow Rate (gph)	Spinner Color	Nozzle Color	Spray Diameter		Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
						Limiter (ft)	(ft)							
	S2000 FR	3/8" Thread	6	Gray RL ●	Black ●	3	16	101028821	250	250	1,500	\$1.35	\$2,025.00	ST
	S2000 FR	3/8" Thread	8	Gray RL ●	Blue ●	3	16	101042546	250	250	1,500	\$1.35	\$2,025.00	ST
	S2000 FR	3/8" Thread	11	Gray RL ●	DK Blue ●	4	19	101042547	250	250	1,500	\$1.35	\$2,025.00	ST
	S2000 FR	3/8" Thread	14	Gray RL ●	Green ●	5	19	101028822	250	250	1,500	\$1.35	\$2,025.00	ST
	S2000 FR	3/8" Thread	19	Gray RL ●	Red ●	5	23	101042548	250	250	1,500	\$1.35	\$2,025.00	ST
	S2000 FR	3/8" Thread	25	Gray RL ●	White ●	5	24	101028823	250	250	1,500	\$1.35	\$2,025.00	ST

Assemblies for S2000 Flow Regulated Micro Sprinklers

Assemblies for S2000 Flow Regulated Micro Sprinklers - (Sprinkler Sold Separately)

05

Image	Description	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
	Stake Assembly - Super Hammer Stake, 30" 4x7 PE Tubing, Barb Coupler	101022683	200	200	\$0.96	\$192.00	MTO	
	Stake Assembly - Super Hammer Stake, 36" 4x7 PE Tubing, Barb Coupler	101029444	200	200	\$1.00	\$200.00	MTO	
	Tubing Assembly - 24" 4x7 PE Tubing, Barb Coupler*	201000255	1,000	1,000	\$0.45	\$450.00	ST	
	Tubing Assembly - 30" 4x7 PE Tubing, Barb Coupler*	101003699	1,000	1,000	\$0.47	\$470.00	ST	
	Tubing Assembly - 36" 4x7 PE Tubing, Barb Coupler*	101010933	1,000	1,000	\$0.49	\$490.00	ST	
	Tubing Assembly (With Meteor 44) - 3/8" Adapter (for Spike Stake), 30" Tube, Barb Coupler.	201003449	250	50	250	\$0.54	\$135.00	MTO

*Meteor 44 Adapter is necessary to attach to 3/8"/Press-Fit Sprinklers models. For completing a stake assembly, purchase Clip Hammer Stake separately.

Accessories for S2000 Micro Sprinklers

Accessories for S2000 Micro Sprinklers

05

Image	Description	Item Number	Min. Order Quantity	Qty		Price		Order Status
				(bag)	(box)	(ea)	(box)	
	4x7 Blue Barb Coupling	201000205	500	5,000	25,000	\$0.12	\$3,000.00	ST
	Meteor Adaptor - MSA #44 4x7/5x8 3/8"THF (Black)	201000822	250		3,500	\$0.09	\$315.00	ST
	Meteor Adaptor -MSA #54 4x7/5x8 3/8"THF (Brown) - For Low Temperature Regions	201000865	250		3,500	\$0.16	\$560.00	CP



1. 4x7 Blue Barb Coupling



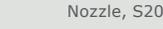
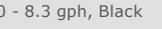
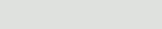
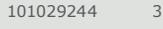
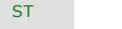
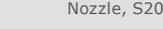
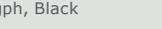
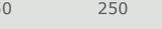
2. Meteor Adaptor #44



3. Meteor Adaptor #54

Nozzles for S2000 Micro Sprinklers

05

Image	Connection	Description	Item Number	Min. Order Quantity	Qty		Price		Order Status
					(bag)	(box)	(ea)	(box)	
	3/8" Thread	Nozzle, S2000 - 8.3 gph, Black	101029244	3,000	3,000	3,000	\$0.31	\$930.00	ST
	3/8" Thread	Nozzle, S2000 - 11.1 gph, Blue	201013792	3,000	3,000	3,000	\$0.31	\$930.00	ST
	3/8" Thread	Nozzle, S2000 - 13.3 gph, Dk. Blue	201013793	3,000	3,000	3,000	\$0.31	\$930.00	ST
	3/8" Thread	Nozzle, S2000 - 16.4 gph, Green	101029245	3,000	3,000	3,000	\$0.31	\$930.00	ST
	3/8" Thread	Nozzle, S2000 - 21.1 gph, Red	201013794	3,000	3,000	3,000	\$0.31	\$930.00	ST
	5 mm Thread	Nozzle, S2000 - 6.4 gph, Lt. Blue	201013807	3,000	3,000	3,000	\$0.31	\$930.00	ST
	5 mm Thread	Nozzle, S2000 - 8.3 gph, Black	201013808	3,000	3,000	3,000	\$0.31	\$930.00	ST
	5 mm Thread	Nozzle, S2000 - 11.1 gph, Blue	201013809	3,000	3,000	3,000	\$0.31	\$930.00	ST
	5 mm Thread	Nozzle, S2000 - 13.3 gph, Dk. Blue	201013810	3,000	3,000	3,000	\$0.31	\$930.00	ST
	5 mm Thread	Nozzle, S2000 - 16.4 gph, Green	201013811	3,000	3,000	3,000	\$0.31	\$930.00	ST
	5 mm Thread	Nozzle, S2000 - 21.1 gph, Red	201013812	3,000	3,000	3,000	\$0.31	\$930.00	ST
	5 mm Thread	Nozzle, S2000 - 27.2 gph, White	201013813	3,000	3,000	3,000	\$0.31	\$930.00	ST
	5 mm Thread	Nozzle, S2000 - 45 gph, Purple	201013814	3,000	3,000	3,000	\$0.31	\$930.00	ST
Flow Regulated									
	3/8" Thread	Nozzle, S2000 Flow Regulated - 6 gph, Black	101038395	250	250	1,500	\$0.69	\$1,035.00	ST
	3/8" Thread	Nozzle, S2000 Flow Regulated - 8 gph, Blue	201013816	250	250	1,500	\$0.69	\$1,035.00	ST
	3/8" Thread	Nozzle, S2000 Flow Regulated - 11 gph, Dk. Blue	201013817	250	250	1,500	\$0.69	\$1,035.00	ST
	3/8" Thread	Nozzle, S2000 Flow Regulated - 14 gph, Green	101038397	250	250	1,500	\$0.69	\$1,035.00	ST
	3/8" Thread	Nozzle, S2000 Flow Regulated - 19 gph, Red	201013818	250	250	1,500	\$0.69	\$1,035.00	ST
	3/8" Thread	Nozzle, S2000 Flow Regulated - 25 gph, White	101038398	250	250	1,500	\$0.69	\$1,035.00	ST



4. Nozzle, S2000 - 8.3 gph, Black (3/8" mm Thread)



5. Nozzle, S2000 - 27.2 gph, White (5 mm Thread)



6. Nozzle, S2000 Flow Regulated - 11 gph, Dark Blue (3/8" mm Thread)

Parts for S2000 Micro Sprinklers

05

Image	Description	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
				(bag)	(box)	(ea)	(box)	
	Bearing - Upper Bearing for S2000 Sprinkler	201012709	250	250	3,000	\$0.10	\$300.00	ST
	Bridge - Bridge for S2000 Sprinkler	20012708	250	250	3,000	\$0.15	\$450.00	ST
	Trunk Protector - For S2000 Sprinkler	201013819	500	500	20,000	\$0.20	\$4,000.00	ST
	Spinner Black - Rondo/S2000 (upright Applications)	201000179	250	5,000	15,000	\$0.10	\$1,500.00	ST
	Spinner Black with Range Limiter - Rondo/S2000(upright Applications)	201000184	250	5,000	15,000	\$0.10	\$1,500.00	ST
	Spinner Grey - RFR/S2000 (upright Applications)	201000180	250	5,000	15,000	\$0.10	\$1,500.00	ST
	Spinner Grey with Range Limiter- RFR/S2000 (upright Applications)	201000252	250	5,000	15,000	\$0.10	\$1,500.00	ST

Stakes for S2000 Micro Sprinklers

05

Image	Description	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
				(bag)	(box)	(ea)	(box)	
1	Super Hammer Stake (Fits 3/8" Base)	201000207	320		320	\$0.42	\$134.40	ST
2	Clip Hammer Stake 14"	201000258	350		350	\$0.42	\$147.00	ST
3	Spike Stake Black 14"	201000259	550		550	\$0.32	\$176.00	ST
	Spike Stake Black 24" (60 cm)	201000852	220		220	\$0.74	\$162.80	ST



1. Super Hammer Stake



2. Clip Hammer Stake



3. Spike Stake



4. 2.8 mm Punch For 4x7 mm Tubing



5. 4x7 Flex PE Roll

Tools for S2000 Micro Sprinklers

06

Image	Description	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
				(bag)	(box)	(ea)	(box)	
	Punch for 4x7 PE Fittings (2.8 mm)	101001881	1	1	1	\$12.08	\$12.08	ST

Tubing for S2000 Micro Sprinklers (Rolls)

06

Image	Description	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
				(bag)	(box)	(ea)	(box)	
	4x7 Flex PE Black Tube Reel Black 0.059 wall 1640 ft roll	201000847	1	1	1	\$145.70	\$145.70	ST

Hose and Tubing

Applications

Transfer Lines • Manifolds • Hose and Tubing

Rivulis offers a wide range of hose and tubing products designed to work in drip and micro irrigation systems. The hose and tubing products are manufactured with either Polyethylene (PE) or Polyvinyl Chloride (PVC) resins. The Polyethylene Hoses provide superior resistant to agricultural chemicals and PVC hoses work better in applications where drip system are moved.



Hose Selection



Max-Flat Hose

Max-Flat Hose is the most versatile hose available for submain or water transfer applications. Max-Flat Hose is available in 1 1/2", 2", 3", and 4" diameters. The combination of toughness, ease-of-use, and portability makes Max-Flat Hose the right choice for commercial growers everywhere. Max-Flat Hose is fabricated from premium polyethylene resin, specially formulated to resist stress cracking and kinking, and to ensure long-term reliability.



Pro-Flat Layflat

Pro-Flat Premium PVC Layflat is a versatile, durable hose which meets the needs of growers everywhere. Thick wall dimensions and strong yarn structure help the product to hold connections and resist bursting. This construction reduces the amount of rotation and elongation each time the system is pressurized.



PVC Tubing

The PVC Flex tubing provides additional flexibility over PE tubing. The tubing is used with drippers and sprinklers. The tubing is available in black or white.



T-Tape Layflat

T-Tape Layflat hose is an excellent choice as supply manifolds or transfer lines in drip irrigation systems. Each of the T-Tape Layflat hoses are manufactured for increased longitudinal strength and the elimination of separations between the layers.



PE Hose and Tubing

The PE Hose and Tubing is offered in sizes from 1/2" to 1" in diameter. All of the PE Hose & Tubing products are made with premium resins.

Hose Tools



Hole Punches

To insert Pro-Grip fittings into PE Max-Flat or Hose use either the B400 Hole punch or B700 Hole Punch. These hose punches create the hole and insert the fitting in one step.



Layflat Cutters

The Layflat cutters are available in 14, 16, and 19 mm hole punch size. The 19 mm Layflat cutter is designed to work with the Pro-Grip Layflat take-off Fittings.



Layflat Spanner and Tee Hex Wrenches

The Spanner and Tee Hex Wrenches help to make installations easier with Pro-Grip Layflat fittings into layflat hoses.



Insert Fittings (Large)

The Rivulis line of insert fittings for large hose and tubing include clamps, couplers, plugs, reducers and tees. The Insert fittings can be found in the end of this section.

Hose Accessories

System Components



Air Vents

The Rivulis Air Valves help to protect the system and ensure proper operation, including reduction of soil ingestion upon system shut-down. (Section 8)



Rivulis PVC Ball Valves

Ease-of-use is unmatched by other valves. Features like low-torque handle, true-union design, corrosion resistance, and replaceable components are the reasons growers choose these valves. (Section 8)



Rivulis PVC Butterfly Valves

The Butterfly Valves carried by Rivulis Irrigation are made of tough PVC and come with EPDM seals. All metal parts are isolated from the fluid flow, making these valves highly corrosion resistant. (Section 8)

Quick Reference Chart - Hose

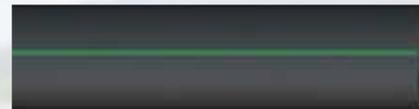
	Polyethylene (PE)		PVC			
	Max-Flat Hose	PE Hose and Tubing	Pro-Flat Layflat	T-Tape Layflat	T-Tape Layflat (HP)	Tubing PVC
Characteristics						
Features	Premium Resins		Reduced expansion and rotation	Homogeneous Construction		Flexible
Diameters/Sizes	1.5-4"	0.118-1"	1.5-8"	1.5-8"	2-6"	4x7, 9 x 13
Operating Guidelines						
Maximum Operating Pressure	21 PSI	≤ 0.50 Wall - 50 PSI	1.5" - 90 PSI	1.5" - 80 PSI		
			2" - 80 PSI	2" - 80 PSI	2" - 150 PSI	
		> 0.50 Wall - 60 PSI	3" - 70 PSI	3" - 70 PSI	3" - 130 PSI	
			4" - 70 PSI	4" - 70 PSI	4" - 128 PSI	
		With Compression Fittings - 45 PSI	6" - 50 PSI	6" - 50 PSI	6" - 105 PSI	
			8" - 45 PSI	8" - 45 PSI		
Shipping Information						
Rolls per Pallet	1.5" (300 ft Roll) - 27	3 x 5 - 63	1.5" - 38	1.5" - 38	2" - 23	4x7 - 72
	1.5" (600 ft. Roll) - 12	4x7 - 40	2" - 36	2" - 36	3" - 17	9 x 13 - 45
	2" (150 ft. Roll) - 27	1/4" - 99	3" - 24	3" - 23	4" - 6	
	2" (450 ft. Roll) - 12	1/2"(500 ft. Roll) - 20	4" - 20	4" - 17	6" - 5	
	3" - 20	1/2"(1000 ft. Roll) - 10	6" - 8	6" - 6		
		3/4"(500 ft. Roll) - 10	8" - 5	8" - 5		
		3/4"(1000 Roll) - 7				
	4" - 20	3/4"(0.830) - 6				
	1" - 5					

Reference Information

Common drip and micro irrigation formulas available in the appendix section on page A.15.

Max-Flat Hose

Premium Polyethylene Resin



1. Max-Flat Hose 4"

Max-Flat Hose is the most versatile hose available for submain or water transfer applications. The combination of toughness, ease-of-use, and portability makes Max-Flat Hose the right choice for commercial growers everywhere. We focus on the fundamentals of cost-containment, reliability, and quality control so that you can be free to focus on growing your business. Once again our price-performance balance is unmatched in the field; we don't compromise on quality. Max-Flat Hose is fabricated from premium polyethylene resin, specially formulated to resist stress cracking and kinking, and to ensure long-term reliability. But resin strength alone is not enough; it takes precision manufacturing to ensure the uniformity of internal diameter and wall thickness that delivers the kind of performance demanded by growers.

Max-Flat Hose

Max-Flat Hose

01

Image	Description	Size (inch)	Max. Op. Pressure (psi)	I.D. (inch)	O.D. (inch)	Wall (inch)	Roll Length (ft)	Item Number	Min. Order Quantity	Price (roll)	Order Status
	Max-Flat Hose	1.5	21	1.595	1.679	0.042	300	101000959	1	\$91.98	MTO
	Max-Flat Hose	1.5	21	1.595	1.679	0.042	600	101000960	1	\$183.61	ST
	Max-Flat Hose	2	21	2.052	2.163	0.055	150	101000965	1	\$68.68	MTO
	Max-Flat Hose	2	21	2.052	2.163	0.055	450	101000966	1	\$205.87	ST
	Max-Flat Hose	3	21	3.043	3.203	0.080	200	101000968	1	\$185.43	ST
1	Max-Flat Hose	4	21	3.996	4.208	0.106	130	101000970	1	\$187.07	ST



Components



Insert fittings for large hose and tubing include clamps, couplers, plugs, reducers and tees. The Insert fittings can be found in the end of this section.

Tools



Punch - for B400 Barb



Punch - for B700 Barb

Polyethylene (PE) Tubing and Hose

PE Flex Tubing - 3 x 5

04

Image	Description	Color	Size	I.D.	O.D.	Wall	Roll Length	Item Number	Min. Order Quantity	Price	Order Status
			(inch)	(inch)	(inch)	(inch)	(ft)			(roll)	
	Flex PE Tubing - 3 x 5	White	White	0.118	0.197	0.039	1,640	101013009	1	\$88.10	ST

PE Tubing - 4x7 Flex, 1/4" PE

05

Image	Description	Color	Size	I.D.	O.D.	Wall	Roll Length	Item Number	Min. Order Quantity	Price	Order Status
			(inch)	(inch)	(inch)	(inch)	(ft)			(roll)	
	Flex PE Tubing - 4x7	Black	4x7	0.157	0.276	0.059	1,640	201000847	1	\$145.70	ST
	Polyethylene Tubing - Black 1/4"	Black	1/4"	0.25	0.35	0.05	500	101000967	1	\$28.95	ST

PE Hose

01

Image	Description	Color	Size	I.D.	O.D.	Wall	Roll Length	Item Number	Min. Order Quantity	Price	Order Status
			(inch)	(inch)	(inch)	(inch)	(ft)			(roll)	
	PE Hose	Black	3/8	0.375	0.455	0.04	1,000	101000969	1	\$56.97	ST
	PE Hose	Black	1/2	0.52	0.62	0.05	1,000	101000972	1	\$66.90	ST
	PE Hose	Black	1/2	0.60	0.7	0.05	500	101000978	1	\$41.31	ST
	PE Hose	Black	1/2	0.60	0.7	0.05	1,000	101000977	1	\$82.04	ST
	PE Hose	Black	5/8	0.62	0.71	0.045	500	101000982	1	\$42.71	ST
	PE Hose	Black	5/8	0.62	0.71	0.045	1,000	101000981	1	\$85.01	ST
	PE Hose	Black	3/4	0.72	0.82	0.05	1,000	101040263	1	\$101.51	ST
	PE Hose	Black	3/4	0.83	0.94	0.055	500	101000985	1	\$63.24	ST
	PE Hose	Black	3/4	0.83	0.94	0.055	1,000	101000984	1	\$126.49	ST
	PE Hose	Black	1	1.049	1.179	0.065	660	101045519*	1	\$128.70	ST
	PE Hose	White	1/2	0.52	0.62	0.05	1,000	101039025	1	\$70.25	MTO
	PE Hose	White	5/8	0.62	0.71	0.045	1,000	101039090	1	\$89.28	MTO
	PE Hose	White	3/4	0.83	0.94	0.055	1,000	101039027	1	\$132.81	MTO
	PE Hose	White	1	1.049	1.189	0.07	660	101039029	1	\$140.83	MTO

Tools for Max-Flat

06

Image	Description	Item Number	Min. Order Quantity	Qty (bag)	Qty (box)	Price (ea)	Price (box)	Order Status
	1 Hole Punch, B400, Green For 5/8" Fittings	101001107	1	1	1	\$24.40	\$24.40	ST
	2 Hole Punch, B700, Green For 7/8" Fittings	101001112	1	1	1	\$25.40	\$25.40	ST



1. Hole Punch B400



2. Hole Punch B700

Pro-Flat Layflat Hose

Reduced twisting and elongation



1. Pro-Flat Layflat Hose 4"

Pro-Flat Premium PVC Layflat is a versatile, durable hose which meets the needs of growers everywhere. The layflat is made with premium resins which allow the product to withstand the tough conditions endured in the agricultural and the mining industries. Thick wall dimensions and strong yarn structure help the product to hold connections and resist bursting. The tension in the yarn reduces the amount of rotation and elongation each time the system is pressurized. The layflat is used for a variety of applications for several industries including agricultural, horticultural, and mining. Applications include manifolds, sub-main lines, and discharge lines. Pro-Flat Premium PVC Layflat is available in numerous sizes to meet the requirements of your design. The premium layflat is a perfect complement to the other Rivulis Irrigation products in your system.

Pro-Flat Layflat Hose

Pro-Flat Layflat Hose

01

Image	Description	Size (inch)	Max. Op. Pressure (psi)	I.D. (inch)	O.D. (inch)	Wall (inch)	Roll Length (ft)	Item Number	Min. Order Quantity	Price (roll)	Order Status
1	Pro-Flat	1.5	90	1.5	1.7	0.059	300	101000377	1	\$204.62	ST
	Pro-Flat	2	80	2.1	2.2	0.06	300	101000378	1	\$227.95	ST
	Pro-Flat	3	70	3.1	3.2	0.067	300	101000379	1	\$348.97	ST
	Pro-Flat	4	70	4.1	4.2	0.075	300	101000380	1	\$449.59	ST
	Pro-Flat	6	50	6.1	6.3	0.083	300	101000382	1	\$804.71	ST
	Pro-Flat	8	45	8.1	8.3	0.09	300	101000383	1	\$1,588.98	ST

Compatible Products



Pro-Grip Layflat x 5/8"
(or 7/8") Tape Fitting -
101001154 (Section 2)



Pro -Grip Layflat x 3/4" FHT
- 101001116 (Section 2)



Insert Fittings (End of this
section)



Ball and Butterfly Valves
(Section 8)



PRO-GRIP, Layflat Cutter,
Blue, 19 mm (section 10)



Large Metal Hose Clamps
(End of this section)

Tools

T-Tape Layflat Hose

Homogeneous Construction



1. T-Tape Layflat Hose 4" 2. T-Tape Layflat Hose 4"

T-Tape Layflat Hose is an excellent choice as supply manifolds or transfer lines in drip irrigation systems. Each of the T-Tape Layflat Hoses are manufactured using advanced technology producing a high quality product with homogeneous construction, all in one continuous process. The result is increased longitudinal strength and the elimination of separations between the layers. And as an additional benefit, the smooth inside layer reduces friction, creating lower pressure loss in the irrigation system. T-Tape Layflat is available in both medium and high pressure models and in a range of diameters from 1 1/2" to 8".

T-Tape Layflat Hose

T-Tape Layflat Hose - Standard (Blue)

01

Image	Description	Size (inch)	Max. Op. Pressure (psi)	I.D. (inch)	O.D. (inch)	Wall (inch)	Roll Length (ft)	Item Number	Min. Order Quantity	Price (roll)	Order Status
	T-Tape Layflat	1.5	80	1.7	1.8	0.067	300	101000993	1	\$134.79	ST
	T-Tape Layflat	2	80	2.2	2.3	0.067	300	101000999	1	\$168.81	ST
	T-Tape Layflat	3	70	3.1	3.3	0.079	300	101001010	1	\$302.33	ST
1	T-Tape Layflat	4	70	4.1	4.3	0.083	300	101001016	1	\$394.18	ST
	T-Tape Layflat	6	50	6.2	6.4	0.087	300	101001943	1	\$699.15	ST
	T-Tape Layflat	8	45	8.2	8.4	0.106	300	101001029	1	\$1,466.34	ST

T-Tape Layflat Hose - High Pressure (Red)

01

Image	Description	Size (inch)	Max. Op. Pressure (psi)	I.D. (inch)	O.D. (inch)	Wall (inch)	Roll Length (ft)	Item Number	Min. Order Quantity	Price (roll)	Order Status
	T-Tape Layflat (High Pressure)	2	150	2.1	2.3	0.091	300	101000998	1	\$466.10	CP
	T-Tape Layflat (High Pressure)	3	130	3.1	3.3	0.098	300	101001009	1	\$890.63	CP
2	T-Tape Layflat (High Pressure)	4	128	4.1	4.3	0.110	300	101001015	1	\$1,148.88	CP
	T-Tape Layflat (High Pressure)	6	105	6.2	6.4	0.118	300	101001023	1	\$2,082.34	CP

Compatible Products



Pro-Grip Layflat x 5/8" (or 7/8") Tape Fitting - 101001154 (Section 2)



Pro -Grip Layflat x 3/4" FHT - 101001116 (Section 2)



Insert Fittings (end of this section)



Ball and Butterfly Valves (Section 8)



PRO-GRIP, Layflat Cutter, Blue, 19 mm (section 10)



Large Metal Hose Clamps (End of this section)

Tools

Tools For PVC Layflat

Tools for PVC Layflat

06

Image	Description	Item Number	Min. Order Quantity	Qty	Qty	Price	Price	Order Status
				(bag)	(box)	(ea)	(box)	
	Layflat Cutter, Orange, 14 mm	101001118	1	1	1	\$104.00	\$104.00	ST
	Layflat Cutter, Green, 16 mm	101001119	1	1	1	\$104.00	\$104.00	ST
	Layflat Cutter, Blue, 19 mm	101001120	1	1	1	\$119.00	\$119.00	ST
	Layflat Spanner Wrench	101001121	1	1	1	\$5.20	\$5.20	ST
	Layflat Tee Hex Wrench, 0.375"	101001122	1	1	1	\$5.20	\$5.20	ST
	Layflat Tee Hex Wrench, 0.500"	101001123	1	1	1	\$5.20	\$5.20	ST



1. Layflat Cutter, Orange, 14 mm



2. Layflat Cutter, Green, 16 mm



3. Layflat Cutter, Blue, 19 mm



4. Layflat Spanner Wrench



5. Layflat Tee Hex Wrench 0.375"



6. Layflat Tee Hex Wrench 0.500"

Insert Fittings and Accessories

Insert Fittings

02

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
					(box)	(ea)	(box)	
	Adapter - Female	Insert Female Adapter, 1 1/2"	101000263	1	1	\$3.40	\$3.40	MTO
	Adapter - Female	Insert Female Adapter, 2"	101000264	1	1	\$7.66	\$7.66	MTO
7	Adapter - Female	Insert Female Adapter, 3"	101000268	1	1	\$21.19	\$21.19	MTO
	Adapter - Female	Insert Female Adapter, 4"	101022530	1	1	\$25.82	\$25.82	MTO
	Adapter - Male	Insert Male Adapter, 1 1/2"	101000289	1	1	\$1.20	\$1.20	MTO
	Adapter - Male	Insert Male Adapter, 2"	101000293	1	1	\$2.26	\$2.26	MTO
8	Adapter - Male	Insert Male Adapter, 3"	101000296	1	1	\$9.76	\$9.76	MTO
	Adapter - Male	Insert Male Adapter, 4"	101000299	1	1	\$13.71	\$13.71	MTO
	Adapter - Slip	Insert X IPS Slip Adapter, 2.080 X 2.375	101000276	1	1	\$4.55	\$4.55	MTO
9	Adapter - Slip	Insert X IPS Slip Adapter, 3.075 X 3.500	101000277	1	1	\$12.48	\$12.48	MTO
	Adapter - Slip	Insert X IPS Slip Adapter, 4.100 X 4.500	101000278	1	1	\$13.93	\$13.93	MTO
	Adapter - Slip	Insert X IPS Slip Adapter, 6.100 X 6.625	101000279	1	1	\$58.55	\$58.55	MTO



7



8



9

Insert Fittings and Accessories

Insert Fittings (continued)

02

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
					(box)	(ea)	(box)	
	Adapter - Spigot	Insert Spigot Adapter, 2"	101000271	1	1	\$4.35	\$4.35	MTO
	Adapter - Spigot	Insert Spigot Adapter, 3"	101000272	1	1	\$11.07	\$11.07	MTO
	Adapter - Spigot	Insert Spigot Adapter, 4"	101000273	1	1	\$12.49	\$12.49	MTO
	Adapter - Spigot	Insert Spigot Adapter, 6"	101000274	1	1	\$53.75	\$53.75	MTO
1	Clamps	4" Clamp- T-Bolt Clamp	101001955	1	10	\$8.55	\$8.55	MTO
	Clamps	6" Clamp- T-Bolt Clamp	101001956	1	10	\$11.70	\$11.70	MTO
	Clamps	Stainless Steel Hose Clamp, 3"	101000339	1	10	\$2.68	\$2.68	MTO
	Clamps	Stainless Steel Hose Clamp, 4"	101000340	1	10	\$2.68	\$2.68	MTO
	Clamps	Stainless Steel Hose Clamp, 6"	101000341	1	10	\$3.48	\$3.48	MTO
	Couplings	Insert Coupling, 1 1/2"	101000252	1	1	\$1.30	\$1.30	MTO
2	Couplings	Insert Coupling, 2"	101000254	1	1	\$2.73	\$2.73	MTO
	Couplings	Insert Coupling, 3"	101000255	1	1	\$7.07	\$7.07	MTO
	Couplings	Insert Coupling, 4"	101000256	1	1	\$10.01	\$10.01	MTO
	Couplings	Insert Coupling, 6"	101000258	1	1	\$39.20	\$39.20	MTO
	Elbows	Insert Elbow, 1 1/2"	101000280	1	1	\$1.78	\$1.78	MTO
	Elbows	Insert Elbow, 2"	101000281	1	1	\$3.69	\$3.69	MTO
3	Elbows	Insert Elbow, 3"	101000282	1	1	\$15.40	\$15.40	MTO
	Elbows	Insert Elbow, 4"	101000285	1	1	\$36.08	\$36.08	MTO
	Elbows	Insert Elbow, 6"	101000288	1	1	\$133.73	\$133.73	MTO
	Plugs	Insert Plug, 2"	101000305	1	1	\$3.55	\$3.55	MTO
	Plugs	Insert Plug, 3"	101000307	1	1	\$14.53	\$14.53	MTO
	Plugs	Insert Plug, 4"	101000308	1	1	\$17.22	\$17.22	MTO
	Plugs	Insert Plug, 6"	101000309	1	1	\$92.94	\$92.94	MTO
4	Reducers	Insert Reducer, 3" X 2"	101000312	1	1	\$12.48	\$12.48	MTO
	Reducers	Insert Reducer, 4" X 2"	101000314	1	1	\$41.45	\$41.45	MTO
	Reducers	Insert Reducer, 4" X 3"	101000315	1	1	\$41.45	\$41.45	MTO
	Reducers	Insert Reducer, 6" X 4"	101000316	1	1	\$81.47	\$81.47	MTO
	Tees	Insert Tee, 1 1/2"	101000317	1	1	\$2.07	\$2.07	MTO
	Tees	Insert Tee, 2"	101000318	1	1	\$6.00	\$6.00	MTO
	Tees	Insert Tee, 3"	101000320	1	1	\$27.90	\$27.90	MTO
5	Tees	Insert Tee 4"	101000323	1	1	\$63.90	\$63.90	MTO
	Tees	Insert Tee 6"	101000326	1	1	\$200.22	\$200.22	MTO



Special fittings available upon request. Contact Customer Service for requests.

Filtration

Applications

System Heads • Field • Greenhouse

The Rivulis line of filters provide effective and reliable filtration of water contaminated with algae, organic matter, and other impurities found in open reservoirs, canals, and recycled water systems.

Metal Filter Selection

F1000 Hydrocyclone Sand Separator

The F1000 Hydrocyclone Sand Separator creates a centrifugal action to move heavy particles into the underflow chamber to be collected. Rivulis provides the proper sized underflow chamber to match the performance of each size of hydrocyclone sand separator.



F2000 Media Filter

F2000 Media Filters (gravel or sand) are the most efficient type of filtration of water heavily contaminated with algae, organic matter and other impurities found in open reservoirs, canals and recycled water systems.



F3100 Metal Screen Filter (Manual)

F3100 Metal Screen Filters (Manual) are excellent filtration choices for removing heavy inorganic particulates from water, such as sand. Manual screen filters are designed to remove particles from the water by passing the water through an open area in the screen.



F3200 Metal Screen Filter with Hydraulic Operation

The filters have several key features including Self-Cleaning during operation, small footprint, and no requirement for AC power. In addition, the suction Nozzles clean the entire screen, in both directions. The F3200 Metal Screen Filter with Hydraulic operation, is used as a primary filter for water containing large quantities of dirt; up to 50 ppm and from water sources such as rivers, lakes, wells, and recycled water.



F3300 Metal Screen Filter with Electric Operation

The F3300 Metal Screen Filters with Electric Operation are highly efficient and self-cleaning. The sintered screens are automatically cleaned with the continuous linear movement of the suction nozzles, which are driven by an electric motor. The F3300 Metal Screen Filters with Electric Operation are used as primary filters for water containing large quantities of dirt, up to 50 ppm, and are used with water sources such as rivers, lakes, wells, and recycled water.



F3400 Metal Screen Filter with Continuous Circulation

F3400 Metal Screen Filters with Continuous Circulation are the ideal choice for applications without electricity. The F3400 Filter creates a centrifugal movement of the water to keep the screen clean during the irrigation process. The sediments collect in the lower chamber to be purged by the control valve. The F3400 Metal Screen Filter with Continuous Circulation is used as a primary filter for water containing minimal quantity of suspended particles and from sources with good water pressure.



F3400 Metal Screen Filter with Internal Flushing Mechanism (Semi-automatic)

The F3400 Metal Screen Filters with Internal flushing Mechanism (Semi-Automatic) are equipped with a manual cleaning suction mechanism. The filter is best suited for applications without a power supply. The filters come with a mechanical differential pressure indicator that shows when the maximum recommended differential has occurred.



Tools

Pressure Gauges

Rivulis offers three different pressure gauges in the tool section. (Section 10)



System Components

Air Vents

The Rivulis Air Valves help to protect the system and ensure proper operation, including reduction of soil ingestion upon system shut-down. (Section 8)



Accessories

Sand

Basalt #1, 25 kg Bags. The sand is listed in the Filter part section (Appendix)

Filter Parts

Filters parts are listed the appendix section. (Appendix)

Quick Reference Chart - Metal Filters

	F1000	F2000	F3100	F3200	F3300	F3400 Continuous Circulation	F3400	
Characteristics								
Type	Hydrocyclone Sand Separator	Media Filter	Metal Screen Filter (Manual)	Metal Screen Filter with Hydraulic Operation	Metal Screen Filter with Electric Operation	Metal Screen Filter with Continuous Circulation	Metal Screen Filter with Internal Flushing Mechanism	
Key Features	Continuous Operation, No Moving Parts	Low Pressure Operation, Uniform Backwash	Back-up Screen	Sintered Screen, Self-Cleaning, No electricity	Sintered Screen, Self-Cleaning, Fine Filtration	Applications without Electricity	Filter for Sprinklers	
Cleaning Mechanism	Centrifugal	Backwash (automatic controller)	Manual	Suction nozzles	Floating suction nozzles	Centrifugal and screen	Suction nozzles	
Actuation Method				Automatic - hydraulic	Automatic - electric		Semi-automatic	
Maximum Flow Rate Range	33 -1584 gpm	370-3840 gpm	260-1600 gpm	350-1750 gpm	660-1750 gpm	210-2260 gpm	350-1100 gpm	
Diameters/Sizes	1.5"-8"	36-48" Tanks	3"-8"	4"-10"	6"-10"	3"-10"	4"-8"	
Configurations	Standard	Modular	Angle, in-line	Angle, parallel	Parallel	In-line	Parallel	
Screen Options			120 Mesh	120, 150, 200 Mesh		80, 120, 150, 200 Mesh	80, 120 Mesh	
Operating Guidelines								
Minimum Operating Pressure		21 PSI		32 PSI	32 PSI		32 PSI	
Maximum Operating Pressure			120 PSI					150 PSI
Maximum Pressure			150 PSI					
Recommended Head Loss	3-8 PSI	Not to exceed 7.5 PSI				Minimum head loss - 4 PSI		
						Maximum head loss - 8 PSI		
Minimum Backwash Flow		36" - 148 gpm 48" - 260 gpm						
Minimum Flushing Pressure				32 PSI			32 PSI	

Filtration Requirements by Emission Devices

Drip Lines		
Flow Rate (gph/dripper)	Filtration Requirement	
	(micron)	(mesh)
≤0.320	100	150
>0.320	130	120

Drip Tapes		
Flow Rate (gph/dripper)	Filtration Requirement	
	(micron)	(mesh)
<0.08	53*	270
0.08 -0.170	80	200
>0.170-0.320	100	150
>0.320	130	120
*Media filter with fine grade sand		

Drippers		
Flow Rate	Filtration Requirement	
	(micron)	(mesh)
≤0.420	100	150
>0.420	130	120

Jets, Micro Sprinklers		
Flow Rate (gph)	Filtration Requirement	
	(micron)	(mesh)
≤11	130	120
11-18	200	80
>18	250	60

Mist Spray/Foggers		
Flow Rate (gph)	Filtration Requirement	
	(micron)	(mesh)
All	100	150

Sprinklers		
Flow Rate (gph)	Filtration Requirement	
	(micron)	(mesh)
All	200	80

F1000 Hydrocyclone Sand Separator

Rubber, Protective Cone



1. Hydrocyclone Sand Separator - 4"

The Rivulis F1000 Hydrocyclone Sand Separator creates a centrifugal action that moves the water around the edge of the body, throwing sand and heavy materials to the outside of the cyclone. The heavy materials then fall into the underflow tank to be collected. A specially designed rubber insert protects the cone against erosion and increases separation efficiency. Rivulis F1000 Hydrocyclone Sand Separators are available in several sizes including flow rates and tank collector sizes to meet your needs.

F1000 Hydrocyclone Sand Separator

F1000 Hydrocyclone Sand Separator

07

Image	Description	Inlet/Outlet Size (inch)	Min. Flow Rate (gpm)	Max. Flow Rate (gpm)	Connection Type	Flange/Port Size & Type (inch)	Underflow Chamber Volume (gal)	Item Number	Min. Order Quantity	Price (ea)	Order Status
	F1000 Hydrocyclone Sand Separator	1.5	33	53	NPT	1 (FPT)	2.6	101044525	1	\$813.80	ST
	F1000 Hydrocyclone Sand Separator	2	48	75	NPT	1 (FPT)	2.6	101043044	1	\$926.61	ST
	F1000 Hydrocyclone Sand Separator	3	79	150	Flanged	1 (FPT)	2.6	101043046	1	\$1,037.00	ST
	F1000 Hydrocyclone Sand Separator	4/3	154	229	Flanged	2 (FPT)	16	101043054	1	\$1,990.00	ST
1	F1000 Hydrocyclone Sand Separator	4	229	361	Flanged	3 (ASA Flanged)	32	101043050	1	\$2,897.00	ST
	F1000 Hydrocyclone Sand Separator	6	431	704	Flanged	3 (ASA Flanged)	58	101043058	1	\$3,889.00	ST
	F1000 Hydrocyclone Sand Separator	6L	616	1020	Flanged	3 (ASA Flanged)	58	101043062	1	\$4,209.79	CP
	F1000 Hydrocyclone Sand Separator	8	1012	1584	Flanged	3 (ASA Flanged)	85	101043066	1	\$8,296.00	CP

F1000 Hydrocyclone Sand Separator Maintenance Kits

F1000 Hydrocyclone Sand Separator - Maintenance Kits

07

Image	Description	Item Number	Min. Order Qty	Qty (box)	Price (ea)	Price (box)	Order Status
	Maintenance Kit For F1000 - 2.6 Gallon Underflow Chamber	101045131	1	1	\$124.93	\$124.93	ST
	Maintenance Kit For F1000 - 16 Gallon Underflow Chamber	101045132	1	1	\$343.64	\$343.64	ST
	Maintenance Kit For F1000 - 32, 58 & 85 Gallon Underflow Chamber	101045133	1	1	\$450.12	\$450.12	ST

Components/Accessories



Pressure Gauges
Rivulis offers three different pressure gauges in the tool section. (Section 10)



Replacement parts for filters can be found in the Appendix section of this book. (Appendix)



The Rivulis Air Valves help to protect the system and ensure proper operation, including reduction of soil ingestion upon system shut-down. (Section 8)



F2000 Media Filter

Unique Double Chamber Underdrain



1. F2000 Media Filter

The Rivulis F2000 Media Filters (gravel or sand) provide the most effective and reliable filtration of water heavily contaminated with algae, organic matter, and other impurities found in open reservoirs, canals, and recycled water systems. The F2000 Media Filters use a bed of sand approximately sixteen inches deep to filter particles out of the water. Water passes through the open spaces between the sand particles. The sharp edges of the sand snag and trap the solid particles. The dirt particles trapped in the sand bed are removed during the backwash cycle. This dirt and backwash water is expelled from the tank into a disposal area.



Installation made easier and faster.

The Rivulis F2000 Media Filter systems are designed as modules, so there is less custom assembly required. It's now about assembling whole modules, and not every part.

Each module includes:

- 1 Inlet manifold
- 2 Backwash manifold
- 3 Backwash valve
- 4 Outlet manifold
- 5 Legs/skids (pre-assembled on the filter optional)

Flow Recommendations For F2000 Media Filters

Model	Filtration Recommendation			Backwash Recommendation		
	Poor Water Quality (at 14-19 gpm/ft ²)	Average water quality (at 18-25 gpm/ft ²)	Good water quality (at 24-27 gpm/ft ²)	Media - Basalt # 1 (at 32 gpm/ft ²)	Media - Silica # 16 (at 21 gpm/ft ²)	Media - Silica # 20 (at 15 gpm/ft ²)
(inch)	(mesh)	(mesh)	(mesh)	(gpm)	(gpm)	(gpm)
36	95-130	125-170	160-185	215	140	100
48	170-230	220-280	270-320	390	260	175

Components/Accessories



Pressure Gauges
Rivulis offers three different pressure gauges in the tool section. (Section 10)



Replacement parts for filters can be found in the Appendix section of this book. (Appendix)



The Rivulis Air Valves help to protect the system and ensure proper operation, including reduction of soil ingestion upon system shut-down. (Section 8)

F2000 Media Filter (36" Tanks)

System Details

F2000 Media Filter System 36"

Included components: Air valves, backwash manifolds, backwash control valves, controller, cross-over manifolds, backup screen filter, legs/skids, fittings, manifold supports and piping.

Backup filter(s): F3100 Metal Screen Filter (400 microns) Backwash manifold diameter: 3"

Connections: Grooved fittings Minimum backwash flow: 36" filters - 148 gpm

Modular manifold diameter: 6" Media (sand or gravel) is not included with filters.

F2000 Media Filter - 36" Tank Modular Filter Systems

07

Description	Cont.	Filters	Size (inch)	Max. Flow Rate (gpm)	Config.	# of Backup Filter(s) (inch)	Inlet Manifold (inch)	Outlet Manifold	Item Number	Min. Order Qty	Price (ea)	Order Status
F2000 Media Filter System 2 x 36"	AC	2	36	370	L - ●●	1	6	4	WT14279	1	\$13,600.00	MTO
F2000 Media Filter System 3 x 36"	AC	3	36	550	L - ●●●	1	6	6	WT14283	1	\$20,400.00	MTO
F2000 Media Filter System 4 X 36"	AC	4	36	740	L - ●●●●	1	6	6	WT14287	1	\$27,200.00	MTO
F2000 Media Filter System 2 x 36"	DC	2	36	370	L - ●●	1	6	4	WT14281	1	\$13,600.00	MTO
F2000 Media Filter System 3 x 36"	DC	3	36	550	L - ●●●	1	6	6	WT14285	1	\$20,400.00	MTO
F2000 Media Filter System 4 X 36"	DC	4	36	740	L - ●●●●	1	6	6	WT14289	1	\$27,200.00	MTO

Details

F2000 Media Filter - 36" Tank Expansion Modules

Included Components: Filter, inlet manifold, outlet manifold, backwash manifold, backwash control valve(s), skid.

F2000 Media Filter - 36" Tank Expansion Modules

07

Description	Filters	Size (inch)	Max. Flow Rate (gpm)	Config.	# of Backup Filter(s) (inch)	Inlet Manifold (inch)	Outlet Manifold	Item Number	Min. Order Qty	Price (ea)	Order Status
F2000 Media Filter Expansion Module 1 x 36"	1	36	185	L - ●		6		WT14298	1	\$5,575.00	MTO
F2000 Media Filter System 2 x 36"	2	36	370	L - ●●		6		WT14299	1	\$10,830.00	MTO

F2000 Media Filter - 48" Tanks

System Details F2000 Media Filter System 48"

Included components: Air valves, backwash manifolds, backwash control valves, controller, cross-over manifolds, flow limiting valve, backup screen filter, legs/skids, fittings, manifold supports and piping.

Backup filter(s): F3100 Metal Screen Filter (400 microns)	Backwash manifold diameter: 4"
Connections: Grooved fittings	Minimum backwash flow: 48" filters - 260 gpm
Modular manifold diameter: 8"	Media (sand or gravel) is not included with filters.

F2000 Media Filter - 48" Tank Modular Filter Systems (AC)

07

Description	Cont.	Filters	Size (inch)	Max. Flow Rate (gpm)	Config.	# of Backup Filter(s) (inch)	Inlet Manifold (inch)	Outlet Manifold	Item Number	Min. Order Qty	Price (ea)	Order Status
F2000 Media Filter System 2 x 48"	AC	2	48	640	L - ●●	1	8	4	WT12614	1	\$16,000.00	MTO
F2000 Media Filter System 3 x 48"	AC	3	48	960	L - ●●●	1	8	8	WT12616	1	\$24,000.00	MTO
F2000 Media Filter System 4 X 48"	AC	4	48	1280	L - ●●●●	1	8	8	WT12618	1	\$32,000.00	MTO
F2000 Media Filter System 5 X 48"	AC	5	48	1600	L - ●●●●●	1	8	8	WT12620	1	\$40,000.00	MTO
F2000 Media Filter System 6 X 48"	AC	6	48	1920	L - ●●●●●●	1	8	8	WT12622	1	\$48,000.00	MTO
F2000 Media Filter System 6 X 48"	AC	6	48	1920	W - [●●●●●●]	1	8	8	WT12624	1	\$51,000.00	MTO
F2000 Media Filter System 7 X 48"	AC	7	48	2240	W - [●●●●●●●]	1	10	10	WT12626	1	\$59,500.00	MTO
F2000 Media Filter System 8 X 48"	AC	8	48	2560	W - [●●●●●●●●]	1	10	10	WT12628	1	\$68,000.00	MTO
F2000 Media Filter System 9 X 48"	AC	9	48	2880	T - ●●●●●●●●	1	12	12	WT12630	1	\$76,500.00	MTO
F2000 Media Filter System 10 X 48"	AC	10	48	3200	T - ●●●●●●●●●	1	12	12	WT12632	1	\$85,000.00	MTO
F2000 Media Filter System 11 X 48"	AC	11	48	3520	T - ●●●●●●●●●●	2	12	8	WT12634	1	\$93,500.00	MTO
F2000 Media Filter System 12 X 48"	AC	12	48	3840	T - ●●●●●●●●●●●	2	12	10	WT12636	1	\$102,000.00	MTO



Components/Accessories



Pressure Gauges
Rivulis offers three different pressure gauges in the tool section. (Section 10)



Replacement parts for filters can be found in the Appendix section of this book. (Appendix)



The Rivulis Air Valves help to protect the system and ensure proper operation, including reduction of soil ingestion upon system shut-down. (Section 8)

F2000 Media Filter - 48" Tank Modular Filter Systems (DC)

07

Description	Cont.	Filters	Size (inch)	Max. Flow Rate (gpm)	Config.	# of Backup Filter(s) (inch)	Inlet Manifold (inch)	Outlet Manifold	Item Number	Min. Order Qty	Price (ea)	Order Status
F2000 Media Filter System 2 x 48"	DC	2	48	640	L - ●●	1	8	4	WT12615	1	\$16,000.00	MTO
F2000 Media Filter System 3 x 48"	DC	3	48	960	L - ●●●	1	8	8	WT12617	1	\$24,000.00	MTO
F2000 Media Filter System 4 X 48"	DC	4	48	1280	L - ●●●●	1	8	8	WT12619	1	\$32,000.00	MTO
F2000 Media Filter System 5 X 48"	DC	5	48	1600	L - ●●●●●	1	8	8	WT12621	1	\$40,000.00	MTO
F2000 Media Filter System 6 X 48"	DC	6	48	1920	L - ●●●●●●	1	8	8	WT12623	1	\$48,000.00	MTO
F2000 Media Filter System 6 X 48"	DC	6	48	1920	W -	1	8	8	WT12625	1	\$51,000.00	MTO
F2000 Media Filter System 7 X 48"	DC	7	48	2240	W -	1	10	10	WT12627	1	\$59,500.00	MTO
F2000 Media Filter System 8 X 48"	DC	8	48	2560	W -	1	10	10	WT12629	1	\$68,000.00	MTO
F2000 Media Filter System 9 X 48"	DC	9	48	2880	T -	1	12	12	WT12631	1	\$76,500.00	MTO
F2000 Media Filter System 10 X 48"	DC	10	48	3200	T -	1	12	12	WT12633	1	\$85,000.00	MTO
F2000 Media Filter System 11 X 48"	DC	11	48	3520	T -	2	12	8	WT12635	1	\$93,500.00	MTO
F2000 Media Filter System 12 X 48"	DC	12	48	3840	T -	2	12	10	WT12637	1	\$102,000.00	MTO

Details F2000 Media Filter - 48" Tank Expansion Modules

Included Components: Filter, inlet manifold, outlet manifold, backwash manifold, backwash control valve(s), skid.

F2000 Media Filter - 48" Tank Expansion Modules

07

Description	Filters	Size (inch)	Max. Flow Rate (gpm)	Config.	# of Backup Filter(s) (inch)	Inlet Manifold (Inch)	Outlet Manifold	Item Number	Min. Order Qty	Price (ea)	Order Status
F2000 Media Filter Expansion Module 1 x 48"	1	48	320	L - ●		8		WT12855	1	\$6,373.00	MTO
F2000 Media Filter System 2 x 48"	2	48	640	L - ●●		8		WT12856	1	\$12,734.00	MTO

F2000 Media Filter - 36" Tanks (International Units)

System Details

F2000 Media Filter System 36" (International Units)

Included components: Air valves, backwash manifolds, backwash control valves, controller, cross-over manifolds, backup screen filter, legs/skids, fittings, manifold supports and piping.

Backup filter(s): F3100 Metal Screen Filter (400 microns)	Backwash manifold diameter: 3"
Connections: Grooved fittings	Minimum backwash flow: 36" filters - 148 gpm
Modular manifold diameter: 6"	Media (sand)- # 1 basalt

F2000 Media Filter - 36" Tank Modular Filter Systems (International Units)

(Unassembled, Sand Included)

07

Description	Cont.	Filters	Size (inch)	Max. Flow Rate (gpm)	Config.	# of Backup Filter(s) (inch)	Inlet Manifold (inch)	Outlet Manifold	Item Number	Min. Order Qty	Price (ea)	Order Status
F2000 Media Filter System 2 x 36"	AC	2	36	370	L - ●●	1	6	4	WT14278	1	\$13,600.00	MTO
F2000 Media Filter System 3 x 36"	AC	3	36	550	L - ●●●	1	6	6	WT14282	1	\$20,400.00	MTO
F2000 Media Filter System 4 X 36"	AC	4	36	740	L - ●●●●	1	6	6	WT14286	1	\$27,200.00	MTO
F2000 Media Filter System 2 x 36"	DC	2	36	370	L - ●●	1	6	4	WT14280	1	\$13,600.00	MTO
F2000 Media Filter System 3 x 36"	DC	3	36	550	L - ●●●	1	6	6	WT14284	1	\$20,400.00	MTO
F2000 Media Filter System 4 X 36"	DC	4	36	740	L - ●●●●	1	6	6	WT14288	1	\$27,200.00	MTO

F2000 Media Filter - 48" Tanks (International Units)

System Details

F2000 Media Filter System 48" (International Units)

Included components: Air valves, backwash manifolds, backwash control valves, controller, cross-over manifolds, flow limiting valve, backup screen filter, legs/skids, fittings, manifold supports and piping.

Backup filter(s): F3100 Metal Screen Filter (400 microns)	Backwash manifold diameter: 4"
Connections: Grooved fittings	Minimum backwash flow: 48" filters - 260 gpm
Modular manifold diameter: 8"	Media (sand)

Components/Accessories



Pressure Gauges
Rivulis offers three different pressure gauges in the tool section. (Section 10)



Replacement parts for filters can be found in the Appendix section of this book. (Appendix)



The Rivulis Air Valves help to protect the system and ensure proper operation, including reduction of soil ingestion upon system shut-down. (Section 8)

F2000 Media Filter - 48" Tank Modular Filter Systems (AC, International Units)

07

(Unassembled, Sand Included)

Description	Cont.	Filters	Size	Max. Flow Rate	Config.	# of Backup Filter(s)	Inlet Manifold	Outlet Manifold	Item Number	Min. Order Qty	Price	Order Status
			(inch)	(gpm)			(inch)	(inch)			(ea)	
F2000 Media Filter System 2 x 48"	AC	2	48	640	L - 	1	8	4	WT12638	1	\$16,000.00	MTO
F2000 Media Filter System 3 x 48"	AC	3	48	960	L - 	1	8	8	WT12640	1	\$24,000.00	MTO
F2000 Media Filter System 4 X 48"	AC	4	48	1280	L - 	1	8	8	WT12642	1	\$32,000.00	MTO
F2000 Media Filter System 5 X 48"	AC	5	48	1600	L - 	1	8	8	WT12644	1	\$40,000.00	MTO
F2000 Media Filter System 6 X 48"	AC	6	48	1920	L - 	1	8	8	WT12646	1	\$48,000.00	MTO
F2000 Media Filter System 6 X 48"	AC	6	48	1920	W - 	1	8	8	WT12648	1	\$51,000.00	MTO
F2000 Media Filter System 7 X 48"	AC	7	48	2240	W - 	1	10	10	WT12650	1	\$59,500.00	MTO
F2000 Media Filter System 8 X 48"	AC	8	48	2560	W - 	1	10	10	WT12652	1	\$68,000.00	MTO
F2000 Media Filter System 9 X 48"	AC	9	48	2880	T - 	1	12	12	WT12654	1	\$76,500.00	MTO
F2000 Media Filter System 10 X 48"	AC	10	48	3200	T - 	1	12	12	WT12656	1	\$85,000.00	MTO
F2000 Media Filter System 11 X 48"	AC	11	48	3520	T - 	2	12	8	WT12658	1	\$93,500.00	MTO
F2000 Media Filter System 12 X 48"	AC	12	48	3840	T - 	2	12	10	WT12660	1	\$102,000.00	MTO

F2000 Media Filter - 48" Tank Modular Filter Systems (DC, International Units)

07

(Unassembled, Sand Included)

Description	Cont.	Filters	Size	Max. Flow Rate	Config.	# of Backup Filter(s)	Inlet Manifold	Outlet Manifold	Item Number	Min. Order Qty	Price	Order Status
			(inch)	(gpm)			(inch)	(inch)			(ea)	
F2000 Media Filter System 2 x 48"	DC	2	48	640	L - 	1	8	4	WT12639	1	\$16,000.00	MTO
F2000 Media Filter System 3 x 48"	DC	3	48	960	L - 	1	8	8	WT12641	1	\$24,000.00	MTO
F2000 Media Filter System 4 X 48"	DC	4	48	1280	L - 	1	8	8	WT12643	1	\$32,000.00	MTO
F2000 Media Filter System 5 X 48"	DC	5	48	1600	L - 	1	8	8	WT12645	1	\$40,000.00	MTO
F2000 Media Filter System 6 X 48"	DC	6	48	1920	L - 	1	8	8	WT12647	1	\$48,000.00	MTO
F2000 Media Filter System 6 X 48"	DC	6	48	1920	W - 	1	8	8	WT12649	1	\$51,000.00	MTO
F2000 Media Filter System 7 X 48"	DC	7	48	2240	W - 	1	10	10	WT12651	1	\$59,500.00	MTO
F2000 Media Filter System 8 X 48"	DC	8	48	2560	W - 	1	10	10	WT12653	1	\$68,000.00	MTO
F2000 Media Filter System 9 X 48"	DC	9	48	2880	T - 	1	12	12	WT12655	1	\$76,500.00	MTO
F2000 Media Filter System 10 X 48"	DC	10	48	3200	T - 	1	12	12	WT12657	1	\$85,000.00	MTO
F2000 Media Filter System 11 X 48"	DC	11	48	3520	T - 	2	12	8	WT12659	1	\$93,500.00	MTO
F2000 Media Filter System 12 X 48"	DC	12	48	3840	T - 	2	12	10	WT12661	1	\$102,000.00	MTO

F3100 Metal Screen Filter (Manual)

Heavy Inorganic Particulates



1. F3100 Metal Screen Filter (Manual) Angle



2. F3100 Metal Screen Filter (Manual) In-Line

The Rivulis Irrigation F3100 Metal Screen Filters (Manual) are excellent filtration choices for removing hard particulates from water, such as sand. Manual screen filters are designed to remove particles from the water by passing the water through an open area in the screen. The dirt particles are collected on the screen and are removed when the filter is opened and the screen is cleaned manually. The F3100 Metal Screen Filters are used in conjunction with sand separators and media filter arrays as control filters or as back up filters in the field. In general, the F3100 Screen Filter can be used with relatively clean well water.

F3100 Metal Screen Filter (Manual)

F3100 Metal Screen Filter (Manual)

07

Image	Description	Body Type	Inlet/Outlet Size (inch)	Max. Flow Rate (gpm)	Screen Rating (micron)	Screen Rating (mesh)	Connection Type	Item Number	Min. Order Quantity	Price (ea)	Order Status
1	F3100 Metal Screen Filter	Angle	3	260	130	120	Flanged	101043144	1	\$697.00	MTO
	F3100 Metal Screen Filter	Angle	4	450	130	120	Flanged	101043146	1	\$915.00	ST
	F3100 Metal Screen Filter	Angle	6	1100	130	120	Flanged	101043148	1	\$1,582.00	ST
	F3100 Metal Screen Filter	Angle	8	1600	130	120	Flanged	101043150	1	\$2,291.00	CP
2	F3100 Metal Screen Filter	In-Line	3	260	130	120	Flanged	101043116	1	\$744.00	ST
	F3100 Metal Screen Filter	In-Line	4	450	130	120	Flanged	101043118	1	\$976.00	ST
	F3100 Metal Screen Filter	In-Line	6	1100	130	120	Flanged	101043120	1	\$1,694.00	ST
	F3100 Metal Screen Filter	In-Line	8	1600	130	120	Flanged	101043122	1	\$2,450.00	CP

Components/Accessories



Pressure Gauges
Rivulis offers three different pressure gauges in the tool section. (Section 10)



Replacement parts for filters can be found in the Appendix section of this book. (Appendix)



The Rivulis Air Valves help to protect the system and ensure proper operation, including reduction of soil ingestion upon system shut-down. (Section 8)

F3200 Metal Screen Filter with Hydraulic Operation

Self-Cleaning



1. F3200 Metal Screen Filter with Hydraulic Operation Angle



2. F3100 Metal Screen Filter with Hydraulic Operation In-Line

F3200 Metal Screen Filters with Hydraulic Operation are the ideal choice for applications without AC electricity. The F3200 Parallel filter utilizes continuous movement of the collector assembly to remove particles from the screen. The filter has a compact body design that requires a small footprint. The flushing mechanism has several advantages including no requirement for AC power because of its hydraulic motor that powers the flushing cycle. The flushing process is done by highly efficient suction nozzles. The entire screen is exposed to the flushing process because of the continuous linear movement of the collector assembly. The F3200 Metal Screen Filter with Hydraulic Operation, is used as a primary filter for water containing large quantities of dirt; up to 50 ppm and from water sources such as rivers, lakes, wells, and recycled water. These filters are self-cleaning and continue to operate during the flushing cycle.

Note: The angle filter resets each cycle and is recommended for water with medium to low levels of contaminants

F3200 Metal Screen Filter with Hydraulic Operation

F3200 Metal Screen Filter with Hydraulic Operation

07

Image	Description	Body Type	Inlet/Outlet Size (inch)	Max. Flow Rate (gpm)	Screen Rating (micron) (mesh)	Connection Type	Item Number	Min. Order Quantity	Price (ea)	Order Status	
	F3200 (Hydraulic Operation)	Angle	4	350	100	150	Flanged	101043237	1	\$6,500.00	CP
	F3200 (Hydraulic Operation)	Angle	4	350	130	120	Flanged	101043238	1	\$6,500.00	CP
	F3200 (Hydraulic Operation)	Angle	6	660	100	150	Flanged	101043258	1	\$7,335.00	CP
1	F3200 (Hydraulic Operation)	Angle	6	660	130	120	Flanged	101043259	1	\$7,335.00	CP
	F3200 (Hydraulic Operation)	Angle	8	1300	100	150	Flanged	101043279	1	\$10,329.00	CP
	F3200 (Hydraulic Operation)	Angle	8	1300	130	120	Flanged	101043280	1	\$10,329.00	CP
	F3200 (Hydraulic Operation)	Parallel	4	350	80	200	Flanged	101045259	1	\$10,569.00	MTO
	F3200 (Hydraulic Operation)	Parallel	4	350	100	150	Flanged	101043489	1	\$10,569.00	ST
	F3200 (Hydraulic Operation)	Parallel	4	350	130	120	Flanged	101043490	1	\$10,569.00	MTO
	F3200 (Hydraulic Operation)	Parallel	6	660	80	200	Flanged	101045261	1	\$12,502.00	MTO
	F3200 (Hydraulic Operation)	Parallel	6	660	100	150	Flanged	101043510	1	\$12,502.00	ST
	F3200 (Hydraulic Operation)	Parallel	6	660	130	120	Flanged	101043511	1	\$12,502.00	MTO
	F3200 (Hydraulic Operation)	Parallel	8	1300	80	200	Flanged	101045263	1	\$16,349.00	MTO
	F3200 (Hydraulic Operation)	Parallel	8	1300	100	150	Flanged	101043531	1	\$16,349.00	ST
	F3200 (Hydraulic Operation)	Parallel	8	1300	130	120	Flanged	101043532	1	\$16,349.00	MTO
	F3200 (Hydraulic Operation)	Parallel	10	1750	80	200	Flanged	101045241	1	\$21,997.00	CP
	F3200 (Hydraulic Operation)	Parallel	10	1750	100	150	Flanged	101043300	1	\$21,997.00	CP
	F3200 (Hydraulic Operation)	Parallel	10	1750	130	120	Flanged	101043301	1	\$21,997.00	CP

Components/Accessories



Pressure Gauges
Rivulis offers three different pressure gauges in the tool section. (Section 10)



Replacement parts for filters can be found in the Appendix section of this book. (Appendix)



The Rivulis Air Valves help to protect the system and ensure proper operation, including reduction of soil ingestion upon system shut-down. (Section 8)

F3300 Metal Screen Filter with Electric Operation

Self-Cleaning



1. F3300 Metal Screen Filter with Electric Operation Parallel

The F3300 Metal Screen Filters with Electric Operation are highly efficient and self-cleaning. The sintered screens are automatically cleaned with the movement of the suction nozzles, which are driven by an electric motor. The flushing cycle of the F3300 Metal Screen Filters are actuated at a predetermined pressure differential or on a schedule using the timer. The filters continue to operate during flushing and utilize a small amount of water during flushing, making the filters very efficient. The F3300 Metal Screen Filters with Electric Operation are used as primary filters for water containing large quantities of dirt, up to 50 ppm, and are used with water sources such as rivers, lakes, wells, and recycled water.

F3300 Metal Screen Filter with Electric Operation

F3300 Metal Screen Filter with Electric Operation

07

Image	Description	Body Type	Inlet/Outlet Size (inch)	Max. Flow Rate (gpm)	Screen Rating (micron) (mesh)	Connection Type	Item Number	Min. Order Quantity	Price (ea)	Order Status
	F3300 (Electric Operation)	Parallel	6	660	80 200	Flanged	101045276	1	\$16,567.00	CP
1	F3300 (Electric Operation)	Parallel	6	660	100 150	Flanged	101043768	1	\$16,567.00	CP
	F3300 (Electric Operation)	Parallel	6	660	130 120	Flanged	101043769	1	\$16,567.00	CP
	F3300 (Electric Operation)	Parallel	8	1300	80 200	Flanged	101045277	1	\$20,167.00	CP
	F3300 (Electric Operation)	Parallel	8	1300	100 150	Flanged	101043780	1	\$20,167.00	CP
	F3300 (Electric Operation)	Parallel	8	1300	130 120	Flanged	101043781	1	\$20,167.00	CP
	F3300 (Electric Operation)	Parallel	10	1750	80 200	Flanged	101045266	1	\$24,571.00	CP
	F3300 (Electric Operation)	Parallel	10	1750	100 150	Flanged	101043642	1	\$24,571.00	CP
	F3300 (Electric Operation)	Parallel	10	1750	130 120	Flanged	101043643	1	\$24,571.00	CP

Components/Accessories



Pressure Gauges
Rivulis offers three different pressure gauges in the tool section. (Section 10)



Replacement parts for filters can be found in the Appendix section of this book. (Appendix)



The Rivulis Air Valves help to protect the system and ensure proper operation, including reduction of soil ingestion upon system shut-down. (Section 8)

F3400 Metal Screen Filter with Continuous Circulation

Applications without Electricity



1. F3400 Metal Screen Filter with Continuous Circulation (In-Line)

F3400 Metal Screen Filters with Continuous Circulation are the ideal choice for applications without electricity. The F3400 Filters utilizes centrifugal movement of the water to keep the screen clean during the irrigation cycle. The sediments collect in the lower chamber to be purged by the control valve. As a result there is no increase in head loss during operation. The flushing of the collecting chamber is done automatically by a flushing controller during the irrigation cycle. The 3400 Metal Screen Filter with Continuous Circulation is used as a primary filter for water containing minimum quantities of suspended particles and from sources with a consistent working pressure.

F3400 Metal Screen Filter with Continuous Circulation

F3400 Metal Screen Filter with Continuous Circulation (Screen with PVC Body)

07

Image	Description	Body Type	Inlet/Outlet Size (inch)	Max. Flow Rate (gpm)	Screen Rating (micron) (mesh)	Connection Type	Item Number	Min. Order Quantity	Price (ea)	Order Status
	F3400 (Continuous Circulation, PVC Screen)	In-Line	3	210	100 150	Flanged	WT15499	1	\$1,426.00	ST
	F3400 (Continuous Circulation, PVC Screen)	In-Line	3	210	130 120	Flanged	WT15500	1	\$1,426.00	MTO
	F3400 (Continuous Circulation, PVC Screen)	In-Line	3	210	200 80	Flanged	WT15501	1	\$1,426.00	MTO
1	F3400 (Continuous Circulation, PVC Screen)	In-Line	3	210	80 200	Flanged	WT15502	1	\$1,426.00	MTO
	F3400 (Continuous Circulation, PVC Screen)	In-Line	4	350	100 150	Flanged	WT15503	1	\$1,703.00	ST
	F3400 (Continuous Circulation, PVC Screen)	In-Line	4	350	130 120	Flanged	WT15504	1	\$1,703.00	MTO
	F3400 (Continuous Circulation, PVC Screen)	In-Line	4	350	200 80	Flanged	WT15505	1	\$1,703.00	MTO
	F3400 (Continuous Circulation, PVC Screen)	In-Line	4	350	80 200	Flanged	WT15506	1	\$1,703.00	MTO
	F3400 (Continuous Circulation, PVC Screen)	In-Line	6	700	100 150	Flanged	WT15507	1	\$3,214.00	ST
	F3400 (Continuous Circulation, PVC Screen)	In-Line	6	700	130 120	Flanged	WT15508	1	\$3,214.00	MTO
	F3400 (Continuous Circulation, PVC Screen)	In-Line	6	700	200 80	Flanged	WT15509	1	\$3,214.00	MTO
	F3400 (Continuous Circulation, PVC Screen)	In-Line	6	700	80 200	Flanged	WT15510	1	\$3,214.00	CP
	F3400 (Continuous Circulation, PVC Screen)	In-Line	8	1350	100 150	Flanged	WT15511	1	\$4,999.00	ST
	F3400 (Continuous Circulation, PVC Screen)	In-Line	8	1350	130 120	Flanged	WT15512	1	\$4,999.00	MTO
	F3400 (Continuous Circulation, PVC Screen)	In-Line	8	1350	200 80	Flanged	WT15513	1	\$4,999.00	MTO
	F3400 (Continuous Circulation, PVC Screen)	In-Line	8	1350	80 200	Flanged	WT15514	1	\$4,999.00	CP
	F3400 (Continuous Circulation, PVC Screen)	In-Line	10	2260	100 150	Flanged	WT15495	1	\$6,892.00	ST
	F3400 (Continuous Circulation, PVC Screen)	In-Line	10	2260	130 120	Flanged	WT15496	1	\$6,892.00	MTO
	F3400 (Continuous Circulation, PVC Screen)	In-Line	10	2260	200 80	Flanged	WT15497	1	\$6,892.00	MTO
	F3400 (Continuous Circulation, PVC Screen)	In-Line	10	2260	80 200	Flanged	WT15498	1	\$6,892.00	CP

Components/Accessories



Pressure Gauges
Rivulis offers three different pressure gauges in the tool section. (Section 10)



Replacement parts for filters can be found in the Appendix section of this book. (Appendix)



The Rivulis Air Valves help to protect the system and ensure proper operation, including reduction of soil ingestion upon system shut-down. (Section 8)

F3400 Metal Screen Filter with Continuous Circulation (Sintered Screens)

07

Image	Description	Body Type	Inlet/Outlet Size (inch)	Max. Flow Rate (gpm)	Screen Rating (micron)	Screen Rating (mesh)	Connection Type	Item Number	Min. Order Quantity	Price (ea)	Order Status
	F3400 (Continuous Circulation)	In-Line	3	210	100	150	Flanged	101045279	1	\$2,026.00	MTO
	F3400 (Continuous Circulation)	In-Line	3	210	130	120	Flanged	101043850	1	\$2,026.00	MTO
	F3400 (Continuous Circulation)	In-Line	3	210	200	80	Flanged	101043851	1	\$2,026.00	MTO
1	F3400 (Continuous Circulation)	In-Line	4	350	100	150	Flanged	101045280	1	\$2,403.00	MTO
	F3400 (Continuous Circulation)	In-Line	4	350	130	120	Flanged	101043852	1	\$2,403.00	MTO
	F3400 (Continuous Circulation)	In-Line	4	350	200	80	Flanged	101043853	1	\$2,403.00	MTO
	F3400 (Continuous Circulation)	In-Line	6	700	80	200	Flanged	101045583	1	\$4,214.00	MTO
	F3400 (Continuous Circulation)	In-Line	6	700	100	150	Flanged	101045281	1	\$4,214.00	MTO
	F3400 (Continuous Circulation)	In-Line	6	700	130	120	Flanged	101043854	1	\$4,214.00	MTO
	F3400 (Continuous Circulation)	In-Line	6	700	200	80	Flanged	101043855	1	\$4,214.00	MTO
	F3400 (Continuous Circulation)	In-Line	8	1350	80	200	Flanged	101045584	1	\$5,999.00	MTO
	F3400 (Continuous Circulation)	In-Line	8	1350	100	150	Flanged	101045282	1	\$5,999.00	MTO
	F3400 (Continuous Circulation)	In-Line	8	1350	130	120	Flanged	101043856	1	\$5,999.00	MTO
	F3400 (Continuous Circulation)	In-Line	8	1350	200	80	Flanged	101043857	1	\$5,999.00	MTO
	F3400 (Continuous Circulation)	In-Line	10	2260	100	150	Flanged	101045278	1	\$8,092.00	MTO
	F3400 (Continuous Circulation)	In-Line	10	2260	130	120	Flanged	101043858	1	\$8,092.00	MTO
	F3400 (Continuous Circulation)	In-Line	10	2260	200	80	Flanged	101043859	1	\$8,092.00	MTO

F3400 Metal Screen Filter with Internal Flushing Mechanism

Semi-automated



1. F3400 Metal Screen Filter with Internal Flushing Mechanism

The F3400 Metal Screen Filters with Internal flushing Mechanism (Semi-Automatic) are equipped with a manual cleaning mechanism. The filter is best suited for applications without a power supply. The F3400 Metal Screen Filter with Internal Flushing mechanism is easy to operate and maintain. The filters come with a mechanical differential pressure indicator which indicates filter build up.

F3400 Metal Screen Filter with Internal Flushing Mechanism

F3400 Metal Screen Filter with Internal Flushing Mechanism

07

Image	Description	Body Type	Inlet/Outlet Size (inch)	Max. Flow Rate (gpm)	Screen Rating (micron) (mesh)		Connection Type	Item Number	Min. Order Quantity	Price (ea)	Order Status
	F3400 (Internal Flushing Mechanism)	Parallel	4	350	130	120	Flanged	101043822	1	\$5,343.00	ST
	F3400 (Internal Flushing Mechanism)	Parallel	4	350	200	80	Flanged	101043823	1	\$5,343.00	CP
	F3400 (Internal Flushing Mechanism)	Parallel	6	660	130	120	Flanged	101043828	1	\$6,479.00	ST
1	F3400 (Internal Flushing Mechanism)	Parallel	6	660	200	80	Flanged	101043829	1	\$6,479.00	CP
	F3400 (Internal Flushing Mechanism)	Parallel	8	1100	130	120	Flanged	101043834	1	\$7,184.00	ST
	F3400 (Internal Flushing Mechanism)	Parallel	8	1100	200	80	Flanged	101043835	1	\$7,184.00	CP

Components/Accessories



Pressure Gauges
Rivulis offers three different pressure gauges in the tool section. (Section 10)



Replacement parts for filters can be found in the Appendix section of this book. (Appendix)



The Rivulis Air Valves help to protect the system and ensure proper operation, including reduction of soil ingestion upon system shut-down. (Section 8)

Rivulis
Irrigation

Valves



Applications

All Drip and Micro Irrigation Systems

The Rivulis Air Valve and Manual valve lines are essential components to all drip and micro irrigation systems. The Air Valves help to protect the system and ensure proper operation, including reduction of soil ingestion upon system shut-down. The manual valves are very durable and can be used in multiple locations throughout a drip and micro irrigation system.

Valve Selection

Rivulis Air & Vacuum Release Valves



The Rivulis Air & Vacuum Release Valves are designed to reduce air related problems when the system starts up and when it is shut down. The Air & Vacuum Release Valve discharges air during the system start up to provide a smooth, quick filling of the pipes while avoiding water hammer. These valves re-admit air to the distribution system during system shut down to prevent pipe collapse, and to help prevent suction of soil into the emission devices.



Rivulis Continuous Air Valves

Rivulis Air Valves with the continuous release function allow air to escape the treatment and distribution system while the system is pressurized.

Rivulis Combination Air Valves

The Rivulis Combination Air Valves are the most versatile providing dual functionality in one product. With the Combination Air Valve, you get the air & vacuum release on system start up and shut down and continuous air release during system operation.



Ball Valves

Ease-of-use is unmatched by other valves. Features like low-torque handle, true-union design, metric and standard compatibility, corrosion resistance, and replaceable components are the reasons growers choose these valves.

Butterfly Valves

The valves carried by Rivulis Irrigation are made of tough PVC and come with EPDM seals. All metal parts are isolated from the fluid flow, making these valves highly corrosion resistant.

Quick Reference Charts - Valves

	Air Valves			Manual Valves	
	Air & Vacuum	Continuous	Combination	Ball	Butterfly
Characteristics					
Features	Vacuum Relief			Smooth Operation	EPDM Seals
Size	3/4"-3"	1"-2"		1/2"-4"	4"-10"
Connections	Male or Female Thread			Slip or Threaded	Flange
Options					Gear or Lever Operated
Operating Guidelines					
Minimum Operating Pressure	3 PSI	1.5 PSI			
Maximum Operating Pressure	150 PSI			≤2"- 240 PSI (@73° F) 2 1/2"- 4" - 150 PSI (@73° F)	2"-4" - 150 PSI (@73° F) 6"-10" - 115 PSI (@73° F)

Air Valves - Application Table

Location in System	Air & Vacuum Release Valves	Continuous Air Valves	Combination Air Valves
Source			
Pump stations			●
Upstream of pump check valves	●		
On filter inlet manifolds		●	●
On filter backflush manifolds	●		
System Head			
At all high points			●
Before water meters		●	●
Distribution Network			
At all high points		●	●
Every 1,300 feet		●	●
At the top of downhill sloping pipes	●		●
At the end of long distribution pipes	●	●	●
Upstream of on/off field control valves		●	●
Downstream of on/off field control valve	●		

Air Valves

Protect and operate your system correctly.

The Rivulis line of air valves include an Air & Vacuum Release Valve, a Continuous Air Valve, and a Combination Air Valve. The air valves are recommended protection for drip and micro irrigation systems, helping to maintain proper hydraulic dynamics in the system design. Each type of air valve is design for a specific function. The Rivulis Air and Vacuum Release Valve is designed to allow large volumes of air to exit during start up and enter during shut down of an irrigation system. The Rivulis Continuous Air Valve allows small amounts of trapped air in a pipeline under pressure to be released. The combination air valve does both applications.

Air Valves

Air Valves									08
Image	Description	Size (inch)	Connection	Item Number	Min. Order Qty	Qty (box)	Price (ea)	Price (box)	Order Status
1	Air & Vacuum Release	3/4	MPT	101045528	1	24	\$28.08	\$673.92	ST
	Air & Vacuum Release	1	MPT	101045530	1	24	\$28.08	\$673.92	ST
2	Air & Vacuum Release	2	FPT	101045532	1	12	\$39.78	\$477.36	ST
	Air & Vacuum Release	3	FPT	101045680	1	6	\$116.22	\$697.32	ST
	Continuous Air Valve	1	MPT	WT12513	1	6	\$98.28	\$589.68	ST
3	Combination Air Valve	1	MPT	WT12519	1	6	\$71.76	\$430.56	ST
4	Combination Air Valve	2	FPT	WT12521	1	12	\$85.02	\$1,020.24	ST



Air Valves - Economy									08
Image	Description	Size (inch)	Connection	Item Number	Min. Order Qty	Qty (box)	Price (ea)	Price (box)	Order Status
5	Air & Vacuum Release	1	NPT	101001443	1	25	\$6.39	\$159.75	ST
6	Continuous Air Valve	2	MPT	101001447	1	12	\$65.09	\$781.08	ST



Air Valves Parts

Air Valve Parts								02
Image	Description	Item Number	Min. Order Qty	Qty (box)	Price (ea)	Price (box)	Order Status	
	Float Assembly - For 2" Combination Air Valve	WT12940	1	1	\$36.67	\$36.67	ST	
	Seal - For 2" Combination Air Valve	WT12941	1	1	\$3.33	\$3.33	ST	
	Bottom Cap- For 2" Combination Air Valve	WT12942	1	1	\$6.67	\$6.67	ST	
	Top Drainage Elbow- For 2" Combination Air Valve	WT14105	1	1	\$6.02	\$6.02	ST	

Ball and Butterfly Valves

Smooth Operation



1. Ball Valve



2. Butterfly Valve

Easy to open and close, throughout the whole season. Rivulis Irrigation has added a line of valves with all the right features, at the right price. The valves carried by Rivulis Irrigation are made of tough PVC and come with EPDM seals. All metal parts are isolated from the fluid flow, making these valves highly corrosion resistant. Ease-of-use is unmatched by other valves. Features like low-torque handle, true-union design, metric and standard compatibility, corrosion resistance, and replaceable components are the reasons growers choose these valves. The valve line includes ball valves, lever operated butterfly valves, and gear-operated butterfly valves. The ball valves are available in many sizes and a choice in the type of end connections. The butterfly valves are available in multiple sizes and are compatible with valve extensions.

Ball Valves

Ball Valves

08

Image	Description	Size (inch)	Connection	Item Number	Min. Order Qty	Qty (box)	Price (ea)	Price (box)	Order Status
	PVC Ball Valve EPDM	1/2	Slip	101000184	24	24	\$13.00	\$312.00	ST
	PVC Ball Valve EPDM	3/4	Slip	101000186	16	16	\$14.00	\$224.00	ST
	PVC Ball Valve EPDM	1	Slip	101000188	10	10	\$18.20	\$182.00	ST
	PVC Ball Valve EPDM	1 1/4	Slip	101000190	6	6	\$18.00	\$108.00	ST
	PVC Ball Valve EPDM	1 1/2	Slip	101000192	8	8	\$24.00	\$192.00	ST
	PVC Ball Valve EPDM	2	Slip	101000194	12	12	\$29.00	\$348.00	ST
	PVC Ball Valve EPDM	2 1/2	Slip	101000197	4	4	\$74.00	\$296.00	ST
	PVC Ball Valve EPDM	3	Slip	101000199	4	4	\$86.00	\$344.00	ST
1	PVC Ball Valve EPDM	4	Slip	101000202	2	2	\$151.00	\$302.00	ST
	PVC Ball Valve EPDM	1/2	Threaded	101000185	24	24	\$13.00	\$312.00	ST
	PVC Ball Valve EPDM	3/4	Threaded	101000187	16	16	\$14.00	\$224.00	ST
	PVC Ball Valve EPDM	1	Threaded	101000189	10	10	\$18.20	\$182.00	ST
	PVC Ball Valve EPDM	1 1/4	Threaded	101000191	6	6	\$18.00	\$108.00	ST
	PVC Ball Valve EPDM	1 1/2	Threaded	101000193	8	8	\$24.00	\$192.00	ST
	PVC Ball Valve EPDM	2	Threaded	101000196	12	12	\$29.00	\$348.00	ST
	PVC Ball Valve EPDM	2 1/2	Threaded	101000198	4	4	\$74.00	\$296.00	ST
	PVC Ball Valve EPDM	3	Threaded	101000201	4	4	\$86.00	\$344.00	ST
	PVC Ball Valve EPDM	4	Threaded	101000204	2	2	\$151.00	\$302.00	ST

Butterfly Valves

Butterfly Valves

08

Image	Description	Connection (inch)	Handle Type	Item Number	Min. Order Qty	Qty (box)	Price (ea)	Price (box)	Order Status
2	PVC Butterfly Valve EPDM	4	Gear	101000147	1	1	\$514.00	\$514.00	ST
	PVC Butterfly Valve EPDM	6	Gear	101000151	1	1	\$737.00	\$737.00	ST
	PVC Butterfly Valve EPDM	8	Gear	101000153	1	1	\$889.00	\$889.00	ST
	PVC Butterfly Valve EPDM	10	Gear	101000159	1	1	\$1,154.00	\$1,154.00	ST
	PVC Butterfly Valve EPDM	2	Lever	101000142	2	2	\$126.00	\$252.00	ST
	PVC Butterfly Valve EPDM	3	Lever	101000144	2	2	\$144.00	\$288.00	ST
	PVC Butterfly Valve EPDM	4	Lever	101000146	2	2	\$162.00	\$324.00	ST
	PVC Butterfly Valve EPDM	6	Lever	101000150	2	2	\$215.00	\$430.00	ST
	PVC Butterfly Valve EPDM	8	Lever	101000152	2	2	\$328.00	\$656.00	ST
	PVC Butterfly Valve EPDM	10	Lever	101000158	1	1	\$636.00	\$636.00	ST

Ball and Butterfly Valve Parts and Accessories

Ball Valve Parts

07

Image	Category	Description	Item Number	Min. Order Qty	Qty (box)	Price (ea)	Price (box)	Order Status
	Connectors - Slip	1/2" Slip End Connector	101000205	1	1	\$1.42	\$1.42	ST
	Connectors - Slip	3/4" Slip End Connector	101000206	1	1	\$1.64	\$1.64	ST
	Connectors - Slip	1" Slip End Connector	101000207	1	1	\$2.17	\$2.17	ST
	Connectors - Slip	1 1/4" Slip End Connector	101000208	1	1	\$2.77	\$2.77	ST
	Connectors - Slip	1-1/2" Slip End Connector	101000209	1	1	\$4.11	\$4.11	ST
	Connectors - Slip	2" Slip End Connector	101000210	1	1	\$6.28	\$6.28	ST
	Connectors - Slip	2-1/2" Slip End Connector	101000211	1	1	\$15.47	\$15.47	ST
	Connectors - Slip	3" Slip End Connector - Red. Port	101000212	1	1	\$29.22	\$29.22	ST
	Connectors - Slip	4" Slip End Connector - Red. Port	101000213	1	1	\$33.63	\$33.63	ST
	Connectors - Threaded	1/2" Threaded End Connector	101000214	1	1	\$2.02	\$2.02	ST
	Connectors - Threaded	3/4" Threaded End Connector	101000215	1	1	\$2.47	\$2.47	ST
	Connectors - Threaded	1" Threaded End Connector	101000216	1	1	\$3.14	\$3.14	ST
	Connectors - Threaded	1-1/4" Threaded End Connector	101000217	1	1	\$3.59	\$3.59	ST
	Connectors - Threaded	1-1/2" Threaded End Connector	101000218	1	1	\$5.16	\$5.16	ST
	Connectors - Threaded	2" Threaded End Connector	101000219	1	1	\$7.70	\$7.70	ST
	Connectors - Threaded	2 1/2" Threaded End Connector	101000220	1	1	\$20.40	\$20.40	ST
	Connectors - Threaded	3" Threaded End Connector	101000221	1	1	\$33.48	\$33.48	ST
	Connectors - Threaded	4" Threaded End Connector	101000222	1	1	\$48.13	\$48.13	ST

Ball Valve Parts (Continued)

07

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
					(box)	(ea)	(box)	
	Handles	Red Handle, For 1/2" Ball Valve	101000235	1	1	\$1.95	\$1.95	ST
	Handles	Red Handle, For 3/4" Ball Valve	101000236	1	1	\$2.38	\$2.38	ST
	Handles	Red Handle, For 1" Ball Valve	101000237	1	1	\$3.66	\$3.66	ST
	Handles	Red Handle, For 1 1/4" Ball Valve	101000238	1	1	\$4.25	\$4.25	ST
	Handles	Red Handle, For 1 1/2" Ball Valve	101000239	1	1	\$5.61	\$5.61	ST
	Handles	Red Handle, For 2" Ball Valve	101000240	1	1	\$6.66	\$6.66	ST
	Handles	Red Handle, For 2 1/2" And 3" Ball Valve	101000241	1	1	\$16.79	\$16.79	ST
	Handles	Red Handle, For 4" Ball Valve	101000242	1	1	\$18.90	\$18.90	ST
	Nuts	1/2" Union nut for ball valve	101000223	1	1	\$3.36	\$3.36	ST
	Nuts	3/4" Union nut for ball valve	101000224	1	1	\$4.56	\$4.56	ST
	Nuts	1" Union nut for ball valve	101000225	1	1	\$5.16	\$5.16	ST
	Nuts	1 1/4" Union nut for ball valve	101000226	1	1	\$6.65	\$6.65	ST
	Nuts	1 1/2" Union nut for ball valve	101000227	1	1	\$10.01	\$10.01	ST
	Nuts	2" Union nut for ball valve	101000228	1	1	\$14.87	\$14.87	ST
	Nuts	2 1/2" Union nut for ball valve	101000229	1	1	\$49.77	\$49.77	ST
	Nuts	3" Union nut for ball valve	101000230	1	1	\$62.40	\$62.40	ST
	Nuts	4" Union nut for ball valve	101000231	1	1	\$70.40	\$70.40	ST

Butterfly Valve Parts

07

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
					(box)	(ea)	(box)	
	Handles	Handle for 2" Butterfly Valve	101000143	1	1	\$46.57	\$46.57	ST
	Handles	Handle for 3" Butterfly Valve	101000145	1	1	\$46.57	\$46.57	ST
	Handles	Handle for 4" Butterfly Valve	101000148	1	1	\$51.98	\$51.98	ST
	Handles	Handle for 6" Butterfly Valve	101000149	1	1	\$60.20	\$60.20	ST
	Handles	Handle for 8" Butterfly Valve	101000154	1	1	\$93.95	\$93.95	ST
	Handles	Handle for 10" Butterfly Valve	101000155	1	1	\$98.95	\$98.95	ST
	O-Rings	O-Ring Kit, 1/2", EPDM (2 O-Rings Per Kit)	101000243	1	1	\$3.20	\$3.20	ST
	O-Rings	O-Ring Kit, 3/4", EPDM (2 O-Rings Per Kit)	101000244	1	1	\$3.35	\$3.35	ST
	O-Rings	O-Ring Kit, 1", EPDM (2 O-Rings Per Kit)	101000245	1	1	\$3.66	\$3.66	ST
	O-Rings	O-Ring Kit, 1 1/4", EPDM (2 O-Rings Per Kit)	101000246	1	1	\$4.68	\$4.68	ST
	O-Rings	O-Ring Kit, 1 1/2", EPDM (2 O-Rings Per Kit)	101000247	1	1	\$4.75	\$4.75	ST
	O-Rings	O-Ring Kit, 2", EPDM (2 O-Rings Per Kit)	101000248	1	1	\$5.46	\$5.46	ST
	O-Rings	O-Ring Kit, 2 1/2" and 3", EPDM (2 O-Rings Per Kit)	101000249	1	1	\$13.02	\$13.02	ST
	O-Rings	O-Ring Kit, 4", EPDM (2 O-Rings Per Kit)	101000250	1	1	\$13.17	\$13.17	ST

Strainers

Self-Cleaning Suction Strainer

Smooth Operation



1. Ball Valve

This strainer has been designed and manufactured to achieve the highest standards of quality and finish. The strainer is used as a preliminary filter to a water pump inlet. Due to its self-cleaning operation, this strainer reduces the pump's maintenance and increases significantly its efficiency. The self cleaning suction strainer is designed to protect the pump from clogging from debris. It is connected before the pump inlet and submerged in the water source (river, lake, reservoir etc.).

Product Information

Screen options: 8 mesh

Key Operating Guidelines

Minimum pressure for back flushing: 30 PSI

Self-Cleaning Suction Strainer

Self-Cleaning Suction Strainer

07

Image	Description	Size (inch)	Max. Flow (gpm)	Screen Rating (mesh)	Screen Rating (micron)	Connection Type	Item Number	Min. Order Qty	Price (ea)	Order Status
1	Self-Cleaning Suction Strainer	6	1000	8	2500	Flanged	101043952	1	\$3,412.00	CP
	Self-Cleaning Suction Strainer	8	1700	8	2500	Flanged	101043958	1	\$3,930.00	CP

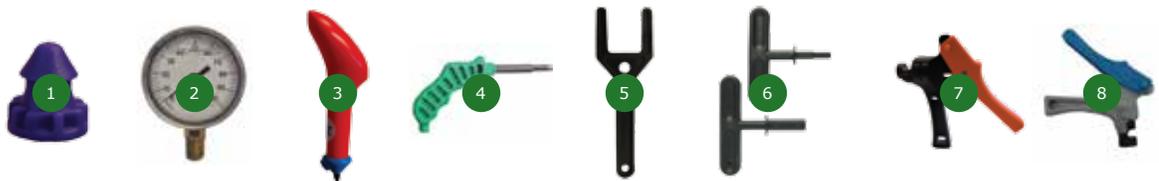
Tools

Tools and Accessories

Accessories - Goof Plugs and Pressure Gauges

06

Image	Category	Description	Item Number	Min. Order Qty	Qty		Price			Order Status
					(bag)	(box)	(ea)	(bag)	(box)	
1	Goof Plugs	Goof Plug For Sprinklers (2.8 mm)	101003311	1,000	1,000	5,000	\$0.09	\$90.00	\$450.00	ST
	Goof Plugs	Goof Plug For Drippers (2.0 mm)	101003314	1,000	1,000	5,000	\$0.08	\$80.00	\$400.00	ST
	Goof Plugs	Plug - 6 mm, Black (4x7 Barb)	101003312	1,000	1,000	1,000	\$0.11	\$110.00	\$110.00	ST
	Goof Plugs	Plug - 8 mm, Black (Start Connector)	101003313	100	100	100	\$0.12	\$12.00	\$12.00	ST
2	Pressure Gauges	Pressure Gauge, 0-30 psi, 2.5", Liquid	101000929	1	1	1	\$20.37	\$20.37	\$20.37	ST
	Pressure Gauges	Pressure Gauge, 0-60 psi, 2.5", Liquid	101000931	1	1	1	\$20.37	\$20.37	\$20.37	ST
	Pressure Gauges	Pressure Gauge, 0-100 psi, 2.5", Liquid	101000933	1	1	1	\$20.37	\$20.37	\$20.37	ST
	Pressure Gauges	Pressure Gauge, 0-100 psi, 2.5", Liquid	101000933	1	1	1	\$20.37	\$20.37	\$20.37	ST



Tools - Hose and Layflat

06

Image	Category	Description	Item Number	Min. Order Qty	Qty		Price		Order Status
					(box)	(ea)	(ea)	(box)	
3	Hose or Max-Flat	Punch For 4x7 PE Fittings (2.8 mm)	101001881	1	1	\$12.08	\$12.08	ST	
4	Hose or Max-Flat	Punch For B400, Green For 5/8" Fittings	101001107	1	1	\$24.40	\$24.40	ST	
	Hose or Max-Flat	Punch For B700, Green For 7/8" Fittings	101001112	1	1	\$25.40	\$25.40	ST	
	Hose or Max-Flat	Punch For Drippers (2 mm)	101001967	1	1	\$12.25	\$12.25	ST	
	Hose or Max-Flat	Punch For Drippers (2.8 mm top outlet)	101001880	1	1	\$14.30	\$14.30	ST	
5	Layflat	Layflat Spanner Wrench	101001121	1	1	\$5.20	\$5.20	ST	
6	Layflat	Layflat Tee Hex Wrench, 0.375"	101001122	1	1	\$5.20	\$5.20	ST	
6	Layflat	Layflat Tee Hex Wrench, 0.500"	101001123	1	1	\$5.20	\$5.20	ST	
7	Layflat	PRO-GRIP, 14 mm Layflat Cutter, Orange	101001118	1	1	\$104.00	\$104.00	ST	
	Layflat	PRO-GRIP, 16 mm Layflat Cutter, Green	101001119	1	1	\$104.00	\$104.00	ST	
8	Layflat	PRO-GRIP, 19 mm Layflat Cutter, Blue	101001120	1	1	\$119.00	\$119.00	ST	

Tools - Micro Tube and PVC

04

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
					(box)	(ea)	(box)	
7	Micro Tube	Talli Inserter For 3x5 mm Micro Tube	101011339	1	1	\$53.42	\$53.42	ST
	Micro Tube	Super Talli Inserter For 3x5 mm Micro Tube	101038664	1	1	\$45.84	\$45.84	ST
8	PVC	Drill Bit, 15 mm (for B400 start connector grommets)	101001353	1	1	\$33.74	\$33.74	ST
	PVC	Drill Bit, 16 mm (for start connector grommets)	101003342	1	1	\$35.12	\$35.12	ST
	PVC	Drill Bit, 17 mm (for B425 start connector grommets)	101001354	1	1	\$36.15	\$36.15	ST
	PVC	Drill Bit, 19 mm (for B700 start connector grommets)	101001355	1	1	\$40.17	\$40.17	ST



Tools - PVC

06

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
					(box)	(ea)	(box)	
	PVC	Conic Drill Bit Limiter	101003340	1	1	\$12.84	\$12.84	ST
	PVC	Conic Drill Bit - 10-20 mm	101003341	1	1	\$105.93	\$105.93	ST

Parts - Filters

F1000 Parts and Accessories

F1000 Hydrocyclone Sand Separator Parts

07

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
					(box)	(ea)	(box)	
	Gaskets	F1000 8" Gasket Cover F/Filter	101006914	1	1	1	\$15.66	ST
	Gaskets	F1000 6" Gasket Cover F/Filter E004365	101019622	1	1	1	\$19.94	ST

F2000 Parts and Accessories

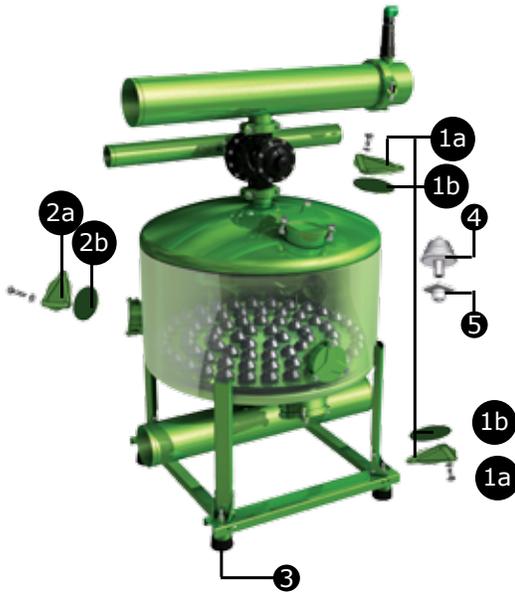
F2000 Media Filters

07

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
					(box)	(ea)	(box)	
	Controllers	Filter Controller With 10 Outputs And DP Sensor – AC	WT12869	1	1	\$741.67	\$741.67	ST
	Controllers	Filter Controller With 10 Outputs And DP Sensor – DC	WT12864	1	1	689.00	\$689.00	ST
	Controllers	Filter Controller Expansion AC - 2 Outputs	WT12871	1	1	\$45.17	\$45.17	ST
	Controllers	Filter Controller Expansion DC - 2 Outputs	WT12870	1	1	\$45.17	\$45.17	ST
	Controllers	Power Supply - 100-240VAC/12VDC 1A	WT12875	1	1	\$45.17	\$45.17	ST
	Controllers	PVC Mounting Device - For Flush Controller 1-10	WT12876	1	1	\$15.07	\$15.07	ST
	Fittings	Cap - Victaulic 3"	101011944	1	1	\$23.00	\$23.00	ST
	Fittings	Cap - Victaulic 4"	101011948	1	1	\$38.30	\$38.30	ST
	Fittings	Cap - Victaulic 6"+2"+3/4" NPT Sockets	WT14707	1	1	\$71.07	\$71.07	ST
	Fittings	Cap - Victaulic 8"+2"+3/4" NPT Sockets	WT14708	1	1	\$79.87	\$79.87	ST
	Fittings	Cap - Victaulic 10"+2"+3/4" NPT Sockets	WT14709	1	1	\$90.00	\$90.00	ST
	Fittings	Cap - Victaulic 12"	WT14710	1	1	\$71.23	\$71.23	ST
	Fittings	Coupling - Iron, Victaulic 3"	101004409	1	1	\$30.93	\$30.93	ST
	Fittings	Coupling - Iron, Victaulic 4"	101004410	1	1	\$41.07	\$41.07	ST
	Fittings	Coupling - Iron, Victaulic 6"	101004411	1	1	\$73.90	\$73.90	ST
	Fittings	Coupling - Iron, Victaulic 8"	101004412	1	1	\$52.53	\$52.53	ST
	Fittings	Coupling - Iron, Victaulic 10"	101004413	1	1	\$279.20	\$279.20	ST
	Fittings	Coupling - Iron, Victaulic 12"	101004414	1	1	\$323.00	\$323.00	ST
	Fittings	View Port - For 3" Backwash Manifold	WT15148	1	1	\$363.97	\$363.97	ST
	Fittings	View Port - For 4" Backwash Manifold	WT15149	1	1	\$465.30	\$465.30	ST

F2000 Media Filters

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
						(ea)	(box)	
1a	Parts	Cap - 8" For Top/ Bottom Port for F2000 36" & 48"	WT14706	1	1	\$66.37	\$66.37	ST
1b	Parts	8" Service Cover Gasket For Top/Bottom Port For F2000 36" & 48"	101006914	1	1	\$15.66	\$15.66	ST
2a	Parts	Cover Plate For Gravel F2000 Filter 20"- 48" Filter	101019636	1	1	\$32.73	\$32.73	ST
2b	Parts	6" Service Cover Gasket For Side Port For F2000 36" & 48"	101019622	1	1	\$19.94	\$19.94	ST
3	Parts	Foot - Adjustable, For Skid on F2000 Filter	WT14704	1	1	\$44.30	\$44.30	CP
4	Parts	Mushroom Diffuser - For F2000 Filter	101019633	1	1	\$16.70	\$16.70	ST
5	Parts	Mushroom Diffuser Rubber Base - For F2000 Filter	101019634	1	1	\$4.67	\$4.67	ST
Sand		Sand - Basalt #1, 25 Kg Bag	101006458	1	1	\$21.00	\$21.00	ST
Valves		Diaphragm Piston Assy - F2000 Backwash Valve 3"	WT14700	1	1	\$334.29	\$334.29	ST
Valves		Diaphragm Piston Assy - F2000 Backwash Valve 4"	WT14701	1	1	\$581.97	\$581.97	ST
Valves		Diaphragm Piston Assy - V2000, 2"L-3" (3" Flow Regulating Valve)	WT13987	1	1	\$88.67	\$88.67	ST
Valves		Diaphragm Piston Assy - V2000, 3"L-6" (4" Flow Regulating Valve)	WT13988	1	1	\$162.97	\$162.97	ST
Valves		Pilot - Differential Flow Pilot 2/3W*	WT14702	1	1	\$172.10	\$172.10	ST
Valves		Solenoid - 12VDC-Latch-3W-PL Base-2 Leads	WT12918	1	1	\$111.60	\$111.60	ST
Valves		Solenoid - AC	101036287	1	1	\$164.20	\$164.20	ST
Valves		Valve - Backwash, 3", For F3200 36" F2000	WT14711	1	1	\$795.63	\$795.63	ST
Valves		Valve - Backwash, 4", For 48" F2000	WT14712	1	1	\$1,193.47	\$1,193.47	ST
Valves		Valve - Backwash, Flow Limiting, 3"	WT14761	1	1	\$874.47	\$874.47	ST
Valves		Valve - Backwash, Flow Limiting, 4"	WT14762	1	1	\$1,039.60	\$1,039.60	ST
Valves		Tubing - Control Tube, 8 mm, 500 m	101002262	1	1	\$135.10	\$135.10	ST



F3100 Parts and Accessories

F3100 Metal Screen Filter - Parts and Accessories

07

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
					(box)	(ea)	(box)	
	Kit	MAINTENANCE KIT FOR F3100 3" - 4" In-Line and Angled	101045134	1	1	\$91.72	\$91.72	ST
	Kit	MAINTENANCE KIT F3100 6" In-line and 6" and 8" Angled	101045135	1	1	\$68.64	\$68.64	ST
	Kit	MAINTENANCE KIT FOR F3100 In-Line 8"	101045136	1	1	\$146.48	\$146.48	ST
	Screen	F3100 Screen In-Line + Angled 3"-4" 100 mic 150 mesh PVC Body	WT15348	1	1	\$290.82	\$290.82	CP
	Screen	F3100 Screen In-Line + Angled 3"-4" 130 mic 120 mesh PVC Body	101044698	1	1	\$290.82	\$290.82	ST
	Screen	F3100 Screen In-Line + Angled 3"-4" 200 mic 80 mesh PVC Body	101044699	1	1	\$290.82	\$290.82	CP
	Screen	F3100 Screen In-Line + Angled 6" 100 mic 150 mesh PVC Body	WT15349	1	1	\$451.02	\$451.02	CP
	Screen	F3100 Screen In-Line + Angled 6" 130 mic 120 mesh PVC Body	101044701	1	1	\$451.02	\$451.02	ST
	Screen	F3100 Screen In-Line + Angled 6" 200 mic 80 mesh PVC Body	101044702	1	1	\$451.02	\$451.02	CP
	Screen	F3100 Screen Angled only 8" 130 mic 120 mesh PVC Body	101044704	1	1	\$947.16	\$947.16	ST
	Screen	F3100 Screen Angled only 8" 200 mic 80 mesh PVC Body	101044705	1	1	\$947.16	\$947.16	CP
	Screen	F3100 Screen In-Line only 8" 130 mic 120 mesh PVC Body	101044707	1	1	\$947.16	\$947.16	ST
	Screen	F3100 Screen In-Line only 8" 200 mic 80 mesh PVC Body	101044708	1	1	\$947.16	\$947.16	CP
	Screen	F3100 Screen In-Line + Angled 10" 200 mic 80 mesh PVC Body	101044693	1	1	\$1,150.94	\$1,150.94	CP
	Screen	F3100 Screen In-Line + Angled 10" 400 mic 40 mesh PVC Body	101044694	1	1	\$1,150.93	\$1,150.93	CP

F3200, F3300 Parts and Accessories

F3200, F3300 Metal Screen Filter - Parts and Accessories

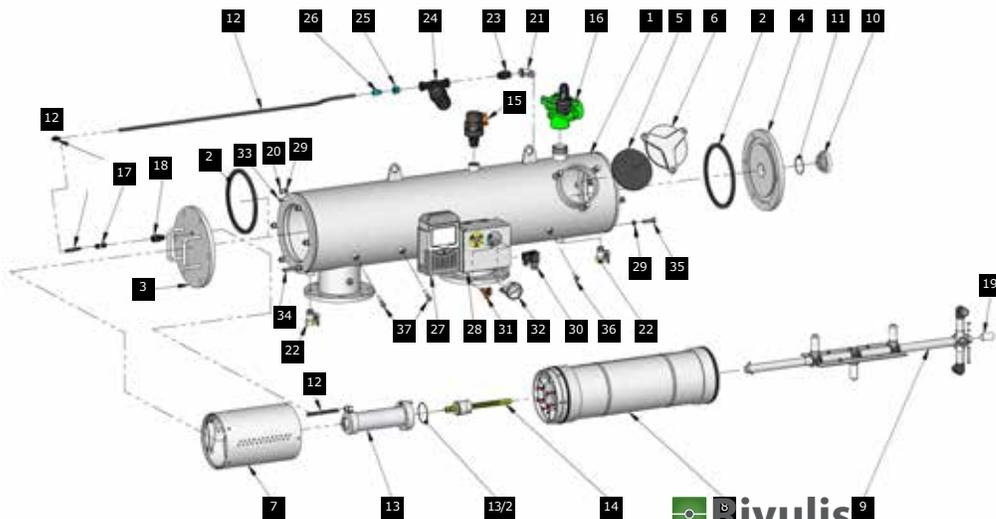
07

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
					(box)	(ea)	(box)	
17	Connector	Adapter Plastic - For F3200 Parallel and F3300 Suction 2"-14"	WT14870	1	1	\$37.26	\$37.26	ST
26	Connector	Adapter Plastic - For F3200 Parallel	WT14880	1	1	\$7.19	\$7.19	ST
23	Connector	Adapter PVC - For F3200 Parallel and F3300 Suction 2"-14"	WT14877	1	1	\$2,990.4	\$2,990.4	ST
25	Connector	Bushing - For F3200 Parallel and F3300 Suction 2"-14"	WT14879	1	1	\$4.4688	\$4.4688	ST
21	Connector	Elbow - For F3200 Parallel and F3300 Suction 2"-14"	WT14875	1	1	\$3.2256	\$3.2256	ST
3	Cover	Cover, Front - For F3200 Parallel and F3300 Suction 2"-6"	WT14857	1	1	\$240.91	\$240.91	ST
3	Cover	Cover, Front - For F3200 Parallel and F3300 Suction 8"-14"	WT14858	1	1	\$330.36	\$330.36	ST
4	Cover	Cover, Rear - For F3200 Parallel 2"-6"	WT14859	1	1	\$235.97	\$235.97	ST
4	Cover	Cover, Rear - For F3200 Parallel 8"-14"	WT14860	1	1	\$320.41	\$320.41	ST
6	Cover	Cover, Service Port - For F3200 Parallel and F3300 Suction 2"-14"	WT14861	1	1	\$44.72	\$44.72	ST
9	Dirt Collector Assembly	Dirt Collector Assembly - For F3200 Parallel 2"-3"	WT14862	1	1	\$1,154.93	\$1,154.93	ST
9	Dirt Collector Assembly	Dirt Collector Assembly - For F3200 Parallel 4"-6"	WT11523	1	1	\$1,346.18	\$1,346.18	ST
9	Dirt Collector Assembly	Dirt Collector Assembly - For F3200 Parallel 8"-10"	WT14863	1	1	\$1,619.42	\$1,619.42	ST
9	Dirt Collector Assembly	Dirt Collector Assembly - For F3200 Parallel 12"-14"	WT14181	1	1	\$2,218.37	\$2,218.37	ST
24	Filter	Filter - For F3200 Parallel and F3300 Suction 2"-14"	WT14878	1	1	\$45.96	\$45.96	ST
37	Filter	Filter In Line, Short - For F3200 Parallel and F3300 Suction 2"-14"	101036491	1	1	\$34.83	\$34.83	ST
36	Filter	Filter In Line, Mini - For F3200 Parallel and F3300 Suction 2"-14"	101042673	1	1	\$34.78	\$34.78	ST
2	Gasket	Filter Body Cover Gasket For F3200 Parallel and F3300 8"-14"	101036369	1	1	\$24.83	\$24.83	ST
2	Gasket	Gasket Filter Body Cover For F3200 Parallel and F3300 2"-6"	101036274	1	1	\$19.86	\$19.86	ST
5	Gasket	Gasket Service Port - For F3200 Parallel and F3300 2"-14"	101019622	1	1	\$19.94	\$19.94	ST

F3200, F3300 Metal Screen Filter - Parts and Accessories

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
					(box)	(ea)	(box)	
19	Indicator	Indicator - For F3200 Parallel 2"-6"	WT14871	1	1	\$27.32	\$27.32	ST
19	Indicator	Indicator - For F3200 Parallel 8"-14"	WT14872	1	1	\$37.26	\$37.26	ST
	Kit*	Maintenance Kit - For F3200 Parallel 3" - 4" - 6"	101045139	1	1	\$1,985.44	\$1,985.44	ST
	Kit*	Maintenance Kit - For F3200 Parallel 8" - 10" - 12" - 14"	101045140	1	1	\$2,089.76	\$2,089.76	ST
20	Nut	Nut - For F3200 Parallel and F3300 Suction 2"-6"	WT14874	1	1	\$1.3400	\$1.3400	ST
20	Nut	Nut - For F3200 Parallel and F3300 Suction 8"-14"	WT14873	1	1	\$6.33	\$6.33	ST
28	Pressure Control Box	Pressure Control Box - For F3200 Parallel and F3300 Suction	WT14881	1	1	\$44.72	\$44.72	ST
32	Pressure Gauge	Pressure Gauge - For F3200 Parallel and F3300 Suction	WT14884	1	1	\$32.29	\$32.29	ST
13	Reversing Housing	Reversing Housing Assembly - For F3200 Parallel and F3300 Suction	WT14867	1	1	\$248.37	\$248.37	ST
14	Reversing Unit	Reversing Unit Assembly - For F3200 Parallel	WT11524	1	1	\$655.70	\$655.70	ST
7	Screen	Screen Coarse - For F3200 Parallel 4"-6"	WT11520	1	1	\$188.76	\$188.76	ST
7	Screen	Screen Coarse - For F3200 Parallel 8"-10"	WT11521	1	1	\$245.88	\$245.88	ST
7	Screen	Screen Coarse - For F3200 Parallel 12"-14"	WT11522	1	1	\$327.87	\$327.87	CP
8	Screen Assembly	Screen Asmby, 100 micron, Sinter - F3200 Paral. and F3300 Suction 2"-3"	101044669	1	1	\$3,691.76	\$3,691.76	ST
8	Screen Assembly	Screen Asmby, 100 micron, Sinter - F3200 Paral. and F3300 Suction 4"-6"	101044672	1	1	\$3,691.76	\$3,691.76	ST
8	Screen Assembly	Screen Asmby, 100 micron, Sinter - F3200 Paral. and F3300 Suction 8"-10"	101044675	1	1	\$3,691.76	\$3,691.76	ST
8	Screen Assembly	Screen Asmby, Fine, Sinter - For F3200 Paral. and F3300 Suction 12"-14"	101044660	1	1	\$3,691.76	\$3,691.76	CP
35	Screw	Screw - For F3200 Parallel and F3300 Suction 2"-14"	WT14889	1	1	\$9.31	\$9.31	ST
10	Sight	Indicating Sight - For F3200 Parallel 2"-14"	WT14864	1	1	\$116.73	\$116.73	ST
11	Sight	Indicating Sight - Seal For F3200 Parallel 2"-14"	WT14865	1	1	\$3.62	\$3.62	ST
30	Solenoid	Solenoid Valve, AC - For Filters	101036287	1	1	\$165.51	\$165.51	ST
33	Stud	Stud - For F3200 Parallel 8"-14"	WT14886	1	1	\$3.62	\$3.62	ST
33	Stud	Stud - For F3200 Parallel And F3300 Suction 2"-6"	WT14885	1	1	\$9.95	\$9.95	ST
34	Stud	Stud Long - For F3200 Parallel And F3300 Suction 2"-6"	WT14887	1	1	\$42.24	\$42.24	ST
34	Stud	Stud Long - For F3200 Parallel And F3300 Suction 8"-14"	WT14888	1	1	\$29.80	\$29.80	ST
12	Tubing	Pipe - For F3200 Parallel And F3300 Suction 2"-14"	WT14866	1	1	\$3.62	\$3.62	ST
31	Valve	Valve 3 Way - For F3200 Parallel And F3300 Suction	101036297	1	1	\$36.18	\$36.18	ST
22	Valve	Valve Ball - For F3200 Parallel And F3300 Suction	WT14876	1	1	\$28.95	\$28.95	ST
16	Valve	Valve Flush - For F3200 Parallel And F3300 Suction 2"-10"	WT14868	1	1	\$476.88	\$476.88	ST
16	Valve	Valve Flush - For F3200 Parallel And F3300 Suction 12"-14"	WT14869	1	1	\$1,065.75	\$1,065.75	CP
29	Washer	Washer - For F3200 Parallel And F3300 Suction 2"-6"	WT14882	1	1	\$0.33	\$0.33	ST
29	Washer	Washer - For F3200 Parallel And F3300 Suction 8"-14"	WT14883	1	1	\$1.45	\$1.45	ST

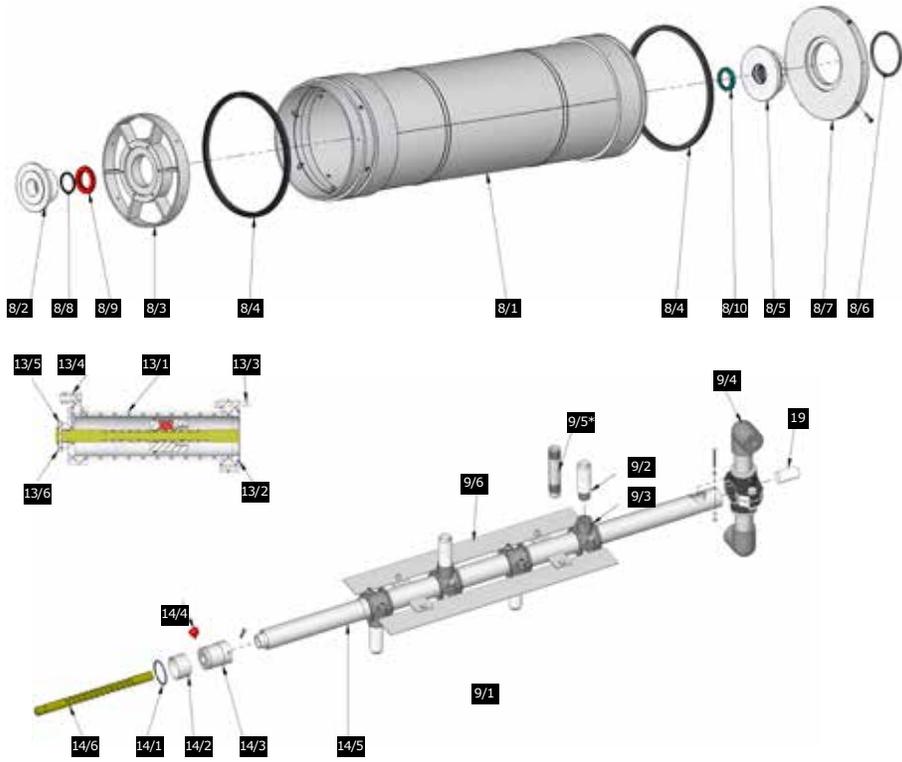
Kits contains part numbers: 2 (quantity of 2); 5; 8/2; 8/4; 8/5; 8/6; 8/8; 8/9; 8/10; 11; 13/2; 14/1; 14/4; 24



F3200 Metal Screen Filter - Collector Unit Parts and Accessories

07

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
					(box)	(ea)	(box)	
9/1	Body	Dirt Collector Body - For F3200 Parallel 12"- 14"	WT14922	1	1	\$613.50	\$613.50	CP
9/1	Body	Dirt Collector Body - For F3200 Parallel 2"- 3"	WT14919	1	1	\$454.54	\$454.54	ST
9/1	Body	Dirt Collector Body - For F3200 Parallel 4"- 6"	WT14920	1	1	\$487.55	\$487.55	ST
9/1	Body	Dirt Collector Body - For F3200 Parallel 8"- 10"	WT14921	1	1	\$568.78	\$568.78	ST
13/3	Bolt	Bolt - For F3200 Parallel and F3300 Suction 2"- 14"	WT14892	1	1	\$1.2432	\$1.2432	ST
8/5	Collector	Collector Lower Guide - For F3200 Parallel and F3300 Suction 2"- 6"	WT14911	1	1	\$168.91	\$168.91	ST
8/5	Collector	Collector Lower Guide - For F3200 Parallel and F3300 Suction 8"- 14"	WT14912	1	1	\$176.33	\$176.33	ST
8/7	Collector	Guide Base- For F3200 Parallel and F3300 Suction 2"- 6"	WT14914	1	1	\$158.96	\$158.96	ST
8/7	Collector	Guide Base- For F3200 Parallel and F3300 Suction 8"- 14"	WT14915	1	1	\$216.08	\$216.08	ST
8/6	Collector	Guide Stopper- For F3200 Parallel and F3300 Suction 2"- 14"	WT14913	1	1	\$18.58	\$18.58	ST
13/4	Connector	Elbow, Control, Plastic, 8 mm x 1/4"M	WT14095	1	1	\$1.5792	\$1.5792	ST
14/3	Cover	Drive Pawl Housing Cover- For F3200 Parallel and F3300 Suction 2"- 14"	WT14897	1	1	\$22.34	\$22.34	ST
14/4	Drive Pawl	Drive Pawl - For F3200 Parallel and F3300 Suction 2"-14"	WT14898	1	1	\$44.72	\$44.72	ST
8/2	Guide	Collector Guide, Upper - For F3200 Parallel and F3300 Suction 2"- 6"	WT14907	1	1	\$141.59	\$141.59	ST
8/2	Guide	Collector Guide, Upper - For F3200 Parallel and F3300 Suction 8"- 14"	WT14908	1	1	\$146.53	\$146.53	ST
8/3	Guide	Base, Upper Guide - For F3200 Parallel 2" - 6"	WT14909	1	1	\$39.75	\$39.75	ST
8/3	Guide	Base, Upper Guide - For F3200 Parallel 8" - 14"	WT14910	1	1	\$44.72	\$44.72	ST
14/5	Housing	Drive Pawl Housing FOR F3200 Parallel and F3300 Suction 2"-14"	WT14899	1	1	\$243.40	\$243.40	ST
13/1	Housing	Reversing UNIT Housing FOR F3200 Parallel and F3300 Suction 2"-14"	WT14890	1	1	\$223.54	\$223.54	ST
9/4	Motor, Hydraulic	Hydraulic Motor - For F3200 Parallel 12"- 14"	WT14930	1	1	\$168.91	\$168.91	CP
9/4	Motor, Hydraulic	Hydraulic Motor - For F3200 Parallel 2"- 3"	WT14927	1	1	\$106.81	\$106.81	ST
9/4	Motor, Hydraulic	Hydraulic Motor - For F3200 Parallel 4"- 6"	WT14928	1	1	\$116.73	\$116.73	ST
9/4	Motor, Hydraulic	Hydraulic Motor - For F3200 Parallel 8"- 10"	WT14929	1	1	\$158.96	\$158.96	ST
9/2	Nozzle Assembly	Suction Nozzle Assembly - For F3200 Parallel 2"- 6"	WT14923	1	1	\$47.21	\$47.21	ST
9/2	Nozzle Assembly	Suction Nozzle Assy. - For F3200 Parallel 8"- 14"	WT14924	1	1	\$47.21	\$47.21	ST
9/3	Nozzle Base	Nozzle Base - For F3200 Parallel and F3300 Suction 2"- 6"	WT14926	1	1	\$19.86	\$19.86	ST
9/3	Nozzle Base	Nozzle Base - For F3200 Parallel and F3300 Suction 8"- 14"	WT14925	1	1	\$22.34	\$22.34	ST
13/6	Nut	Nut - For F3200 Parallel and F3300 Suction 2"- 14"	WT14894	1	1	\$0.22	\$0.22	ST
14/1	Screw, Reversible	Reversible Drive Screw - For F3200 Par. and F3300 Suction 2"- 14"	WT14895	1	1	\$459.48	\$459.48	ST
8/9	Seal	Seal, Collector - For F3200 Parallel and F3300 Suction 2"-6"	WT14917	1	1	\$49.66	\$49.66	ST
8/9	Seal	Seal, Collector - For F3200 Parallel and F3300 Suction 8"-14"	WT14918	1	1	\$57.12	\$57.12	ST
8/4	Seal	Seal, Fine Screen - For F3200 Parallel and F3300 Suction 2"- 6"	101042668	1	1	\$8.14	\$8.14	ST
8/4	Seal	Seal, Fine Screen - For F3200 Parallel and F3300 Suction 8"- 14"	101036407	1	1	\$4.52	\$4.52	ST
8/8	Seal	Guide Seal - For F3200 Parallel and F3300 Suction 8"-14"	WT14916	1	1	\$3.62	\$3.62	ST
13/2	Seal	Reversible Housing Seal - For F3200 Parallel and F3300 Suction 2"-14"	WT14891	1	1	\$3.62	\$3.62	ST
14/6	Seal	Seal - For F3200 Parallel and F3300 Suction 2"-14"	WT14900	1	1	\$3.62	\$3.62	ST
14/2	Stopper	Stopper - For F3200 Parallel and F3300 Suction 2"-14"	WT14896	1	1	\$3.62	\$3.62	ST
9/6	Wings	Collector Wings - For F3200 Parallel 12"-14"	WT14934	1	1	\$39.75	\$39.75	CP
9/6	Wings	Collector Wings - For F3200 Parallel 2"-3"	WT14931	1	1	\$27.32	\$27.32	ST
9/6	Wings	Collector Wings - For F3200 Parallel 4"-6"	WT14932	1	1	\$29.80	\$29.80	ST
9/6	Wings	Collector Wings - For F3200 Parallel 8"-10"	WT14933	1	1	\$34.78	\$34.78	ST
8/10	Wiper	Collector Wiper - For F3200 Parallel and F3300 Suction 2"-6"	WT14906	1	1	\$39.75	\$39.75	ST
8/10	Wiper	Collector Wiper - For F3200 Parallel and F3300 Suction 8"-14"	WT14905	1	1	\$57.12	\$57.12	ST



F3400 (Continuous Circulation) Parts and Accessories

F3400 Metal Screen Filter With Continuous Circulation - Parts and Accessories

07

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
					(box)	(ea)	(box)	
	Kit	Maintenance Kit For F3400 Metal Screen Filter With Continuous Circulation With Flushing In-Line 3"	101045173	1	1	\$95.52	\$95.52	ST
	Kit	Maintenance Kit For F3400 Metal Screen Filter With Continuous Circulation With Flushing In-Line 4"	101045174	1	1	\$105.84	\$105.84	ST
	Kit	Maintenance Kit For F3400 Metal Screen Filter With Continuous Circulation With Flushing In-Line 6"	101045175	1	1	\$182.00	\$182.00	ST
	Kit	Maintenance Kit For F3400 Metal Screen Filter With Continuous Circulation With Flushing In-Line 8"	101045176	1	1	\$186.00	\$186.00	ST
	Kit	Maintenance Kit For F3400 Metal Screen Filter With Continuous Circulation With Flushing In-Line 10"	101045172	1	1	\$205.24	\$205.24	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 3" PVC 100 mic	WT15424	1	1	\$353.61	\$353.61	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 3" PVC 130 mic	WT15425	1	1	\$353.61	\$353.61	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 3" PVC 200 mic	WT15426	1	1	\$353.61	\$353.61	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 3" PVC 80 mic	WT15427	1	1	\$353.61	\$353.61	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 4" PVC 100 mic	WT15428	1	1	\$469.46	\$469.46	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 4" PVC 130 mic	WT15429	1	1	\$469.46	\$469.46	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 4" PVC 200 mic	WT15430	1	1	\$469.46	\$469.46	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 4" PVC 80 mic	WT15431	1	1	\$469.46	\$469.46	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 6" PVC 100 Mic	WT15432	1	1	\$656.18	\$656.18	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 6" PVC 130 Mic	WT15433	1	1	\$656.18	\$656.18	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 6" PVC 200 mic	WT15434	1	1	\$656.18	\$656.18	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 6" PVC 80 mic	WT15435	1	1	\$656.18	\$656.18	CP
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 8" PVC 100 mic	WT15436	1	1	\$1,591.20	\$1,591.20	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 8" PVC 130 mic	WT15437	1	1	\$1,591.20	\$1,591.20	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 8" PVC 200 mic	WT15438	1	1	\$1,591.20	\$1,591.20	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 8" PVC 80 mic	WT15439	1	1	\$1,591.20	\$1,591.20	CP
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 10" PVC 100 mic	WT15440	1	1	\$2,132.65	\$2,132.65	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 10" PVC 130 mic	WT15441	1	1	\$2,132.65	\$2,132.65	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 10" PVC 200 mic	WT15442	1	1	\$2,132.65	\$2,132.65	ST
	Screen	Screen For F3400 Metal Screen Filter With Continuous Circulation 10" PVC 80 mic	WT15443	1	1	\$2,132.65	\$2,132.65	CP
	Screen	SCREEN F/F3400 CIRC 10" Sintered 100 mic	WT15232	1	1	\$2,725.00	\$2,725.00	ST
	Screen	SCREEN F/F3400 CIRC 10" Sintered 130 mic	WT15233	1	1	\$2,725.00	\$2,725.00	ST
	Screen	SCREEN F/F3400 CIRC 10" Sintered 200 mic	WT15234	1	1	\$2,725.00	\$2,725.00	ST

F3400 (Internal Flushing Mechanism) Parts and Accessories

F3400 Metal Screen Filter With Internal Flushing Mechanism - Parts and Accessories

07

Image	Category	Description	Item Number	Min. Order Qty	Qty	Price	Price	Order Status
					(box)	(ea)	(box)	
	Screens - Sintered	Screen Assembly For F3400 Metal Screen Filter With Continuous Circulation 3" Sintered 200 mic	WT11552	1	1	\$561.73	\$561.73	ST
	Screens - Sintered	Screen Assembly For F3400 Metal Screen Filter With Continuous Circulation 3" Sintered 130 mic	WT11551	1	1	\$561.73	\$561.73	ST
	Screens - Sintered	Screen Assembly For F3400 Metal Screen Filter With Continuous Circulation 3" Sintered 100 mic	WT11550	1	1	\$561.73	\$561.73	ST
	Screens - Sintered	Screen Assembly For F3400 Metal Screen Filter With Continuous Circulation 4" Sintered 200 mic	WT11556	1	1	\$797.90	\$797.90	ST
	Screens - Sintered	Screen Assembly For F3400 Metal Screen Filter With Continuous Circulation 4" Sintered 130 mic	WT11555	1	1	\$797.90	\$797.90	ST
	Screens - Sintered	Screen Assembly For F3400 Metal Screen Filter With Continuous Circulation 4" Sintered 100 mic	WT11554	1	1	\$797.90	\$797.90	ST
	Screens - Sintered	Screen Assembly For F3400 Metal Screen Filter With Continuous Circulation 6" Sintered 100 mic	WT11558	1	1	\$1,130.61	\$1,130.61	ST
	Screens - Sintered	Screen Assembly For F3400 Metal Screen Filter With Continuous Circulation 6" Sintered 130 mic	WT11559	1	1	\$1,130.61	\$1,130.61	ST
	Screens - Sintered	Screen Assembly For F3400 Metal Screen Filter With Continuous Circulation 6" Sintered 80 mic	WT11557	1	1	\$1,130.61	\$1,130.61	CP
	Screens - Sintered	Screen Assembly For F3400 Metal Screen Filter With Continuous Circulation 8" Sintered 100 mic	WT11562	1	1	\$2,228.75	\$2,228.75	ST
	Screens - Sintered	Screen Assembly For F3400 Metal Screen Filter With Continuous Circulation 8" Sintered 130 mic	WT11563	1	1	\$2,228.75	\$2,228.75	ST
	Screens - Sintered	Screen Assembly For F3400 Metal Screen Filter With Continuous Circulation 8" Sintered 200 mic	WT11564	1	1	\$2,228.75	\$2,228.75	ST

Terms and Conditions of Sale

1. **Acceptance.** Placement of any order with Rivulis Irrigation, Inc. ("Company") constitutes acceptance of these Terms and Conditions of Sale ("Terms and Conditions"). No purchase order, sales agreement or other agreement shall bind Company unless accepted by Company. No order or agreement accepted by Company may be canceled without Company's written consent. Company shall have no liability for delay, failure, or refusal to accept Purchaser's orders or to ship products to Purchaser if the delay, failure, or refusal results from: (1) capacity restraints, demand in excess of available supply, labor strikes or lockouts; or (2) any cause beyond Company's control.

2. **Prices.** The prices charged for products shall be those agreed to and acknowledged by Company in its sole discretion upon acceptance of a sales agreement or purchase order. Prices are subject to change without notice. Such published prices and terms may be changed by the Company at any time, and Purchasers will be notified of such changes, but any such change will become effective on the date indicated whether or not the Purchaser has actually received notice thereof.

All prices are FOB Company plant, or other shipping point, and do not include shipping, special packaging, insurance, taxes, duties and other similar charges, except as expressly provided by Company in its price list or on the invoice.

3. **Taxes.** In addition to the price of the products, Purchaser assumes and agrees to pay Company, and to hold Company harmless from and against all duties, imports, fines, sales, use, excise or other taxes or assessments imposed upon the products or any sales transaction by any national, state or local authority.

4. **Terms of Payment.** The Company shall invoice Purchaser upon shipment of products covered by the invoice and payment shall be received by the due date for payment on the invoice ("Due Date"). If the Due Date falls on a weekend or national holiday, the payment must be received on the next business day. Unless payment is received by the Company within 5 days of the Due Date, a service charge of eighteen percent (18%) per annum compounded monthly or the maximum rate permitted by applicable law, whichever is lower, shall be paid by Purchaser upon all late payments. If the payment is received 5 or more days after the Due Date, the service charge will be retroactive to the Due Date.

If an early payment discount is stated on the invoice, Purchaser shall receive a cash discount off the price of the invoiced products, not including freight or special charges, if the payment is received and posted by our bank on or before the date for early payment. If payment is made via a check but is received by the bank after the date for early payment described on the invoice, discounts will be allowed if the postmark date is five days prior to the date for early payment described on the invoice. The Purchaser's account must be current (i.e. there are no past due invoices on the account) to qualify for an early pay discount. All rebates and credit memos must be deducted from the account prior to application of any cash discount.

5. **Security Interest.** In consideration for the sale of products to Purchaser, Purchaser grants to Company a purchase money security interest in the products, which security interest shall extend to all parts, repairs, and accessories now or thereafter attached to the products, and to all proceeds there from, including, without limitation, accounts, general intangible and chattel paper, to secure payments to Company of all monies now or hereafter owed by Purchaser to Company in connection with sale of the products to Purchaser. Purchaser agrees to execute and deliver whatever documents Company may require in order to enable Company to perfect its security interest. Purchaser's failure to pay all amounts owed to Company in full and when due shall constitute a default, and shall give Company all rights of a secured party under the California Uniform Commercial Code.

6. **Risk of Loss.** Delivery of products by the Company to a carrier (which term includes agents or employees of the Purchaser as well as common or contract carriers) for transportation to the Purchaser, or to a Company designated third party warehouse or transfer company, shall constitute delivery to the Purchaser, except as provided in the next sentence, and the Purchaser shall bear all risk of loss thereafter. The Company will bear the risk of loss during the transportation of shipments by Parcel Post, United Parcel Service or other similar parcel services used by the Company.

7. **Title to Goods.** Title to and ownership of products shall pass to the Purchaser upon delivery to the Purchaser, as provided in paragraph 6 above.

8. **Nonconformity of Goods.** Purchaser may not reject or revoke its acceptance of any product(s) unless the nonconformity of such product(s) is substantial. No nonconformity or defect in any lot or installment shall constitute grounds for claiming breach of the entire purchase order or sales agreement, and any lots or installments whose conformity Purchaser does not dispute shall be paid for in accordance with these terms and conditions, regardless of any dispute concerning other shipments, installments, or undelivered products. Company reserves the right to cure, by repair or replacement, any defects within a reasonable time after receiving written notice of such defects from Purchaser. Purchaser has 15 days following delivery of

products hereunder to give Company written notice of any claimed defect in such products. Failure to give timely notice, as provided above, shall be deemed irrevocable acceptance of such products.

9. Returns. For all products, written permission must be received from Company prior to return of any product. Company will not accept returns unless the products are in new, resalable condition. Returned items are subject to a twenty percent (20%) restocking charge unless return occurrence is due to Company error. Credit will be based on invoice price. In addition, the Purchaser is responsible for arranging shipment and paying all freight charges associated with returning the product to Company's warehouse. Special and custom products are manufactured to order and are non-returnable. Returns will not be accepted if requested more than 90 days after invoice date unless return occurrence is due to Company error.

10. Product and Packaging Changes. Company reserves the right to make changes of any kind to the products, packaging, and brand names, which it deems necessary or appropriate in its sole discretion, without providing notice to Purchaser and may deliver revised products (including, but not limited to, revised designs, models, packaging, or brand names) against any and all orders.

11. Limited Warranty. The link herein provides the warranty from the Company for the products specified. THE REMEDIES EXPRESSED THEREIN ARE THE ENTIRE WARRANTIES OF COMPANY FOR ITS PRODUCTS DESCRIBED THEREIN AND ARE IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, ORAL OR STATUTORY, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Neither Purchaser nor any other party is authorized to change, modify, or extend the terms of these warranties or to make any representation or warranty not contained in the warranty in the following link. <http://www.rivulis.com/docs/warranty.pdf>

12. Shipping. All shipments shall be made solely to locations where Purchaser maintains an office or facility. Purchaser shall be responsible for all shipping costs unless it is eligible for pre-paid freight. Shipments that exceed US \$4500 net on mixed goods, other than Polyethylene Hose and Tubing, shipped within the continental U.S. or to the U.S. border or port of export may qualify for prepaid freight. Shipments of Polyethylene Hose and Tubing shall bear full freight. In the case of sales outside the continental U.S., freight costs from the border or port of export are the responsibility of the purchaser, unless otherwise stated by the Company. An exception can only be made with National Sales Manager level or higher approval. Orders will be shipped via common carrier. Shipment via the US Postal Service is not available.

13. Packaging. No products are sold in less than package quantity.

14. Minimum Order. A minimum of US \$250.00 net per shipping location for whole goods. A \$30.00 handling charge will be applied for orders below minimum. There is no minimum order value for replacement parts.

15. Demurrage. Purchaser will accept all shipments of products from the carrier promptly and will pay any demurrage or storage charges caused by its failure to do so.

16. Shortages. All claims that products were shipped short by the Company must be made by the Purchaser in writing within five days after receipt of the shipment in question.

17. Excuse. A basic assumption of the sales agreement or purchase order (as the phrase "basic assumption" is used in the California Uniform Commercial Code) is the absence of any fire, explosion, flood, riot, labor dispute, shortage accident, act of God, law, regulation, or other event or circumstance beyond Company's reasonable control which prevents or delays Company's performance. Any delay, failure to deliver, or other breach by Company, wholly or partially caused by any such event or circumstance, shall be excused.

18. Limitation of Damages. Company and its affiliates, successors and assigns, and each of their respective directors, officers, employees, and agents shall in no event be liable to Purchaser for any claim for direct, indirect, special, incidental, punitive or consequential damages of any types resulting from or relating to these Terms and Conditions of Sale and/or Company's supply or sale of the products to Purchaser.

19. Severability. The invalidity, in whole or in part or any of these terms or conditions, shall not affect the validity or enforceability of any other term or condition.

20. Applicable Law. These terms and conditions of sale shall be construed in accordance with, and all disputes hereunder, shall be governed by the laws of the State of California, U.S.A.

21. **Venue; Arbitration.** Disputes that may arise in connection with the subject matter, breach or interpretation hereof including limited warrant provisions expressed herein shall be exclusively resolved by arbitration in San Diego, California, U.S.A. before a single arbitrator appointed pursuant to the California Code of Civil Procedure.

22. **Attorney Fees.** In any arbitration, action or other proceeding relating to the sale of products hereunder, or the breach or interpretation hereof, the prevailing party shall be entitled to reasonable attorney fees and costs, as determined by the trier of fact.

23. **No Assignment.** Purchaser may not transfer or assign any of its rights or obligations hereunder without Company's prior written consent, which may be withheld by Company in its sole discretion. All purported transfers or assignments without such consent are void. Company may transfer or assign any of its rights or obligations hereunder without Purchaser's prior written consent.

24. **Headings.** The paragraph headings in these terms and conditions are for convenience only, and form no part of these terms and conditions, or any other agreement. Such paragraph headings are without legal effect.

25. **Notice.** Any notice or other communication required or permitted hereunder shall be sufficient if given in writing by registered or certified mail, return receipt requested, postage prepaid, and addressed to Purchaser at its address (as it may appear in Company's records), or to Company at 7545 Carroll Road, San Diego, CA 92121 USA. Alternatively, notice may be provided in writing by facsimile transmission to Purchaser at its place of business, or to Company at (858) 578-2344. Notice shall be effective upon receipt.

26. **Waiver.** Company's failure to insist, in one or more instances, upon the performance of any of the foregoing terms or conditions shall not be construed as a waiver or relinquishment of Company's right to such performance, and Purchaser's obligation shall continue in full force and effect.

27. **Amendment.** These terms and conditions may be amended only by written amendment executed by Company.

28. **Export/Import.** All sales hereunder shall at all times be subject to the export control laws and regulations of the United States Government and any amendments thereof. Purchaser agrees that it shall not make any disposition, by way of trans-shipment, re-export, diversion or otherwise, except as said laws and regulations may expressly permit, of U.S. original goods purchased from Company, other than to the ultimate country of destination specified on Purchaser's order and/or declared as the country of ultimate destination on Company's invoices.

29. **Intellectual Property.** Purchaser acknowledges that it has no right, title, licenses, or interest in the Company's trademarks, trade names, copyrights, patents, or other intellectual property, and that it will take no action to register or otherwise interfere with such rights of Company.

30. **Anti-Bribery Laws.** Purchaser represents, warrants and covenants that it has not paid, offered or agreed to pay, authorized the giving of, or caused to be paid, directly or indirectly, money or anything of value to any government official in connection with the purchase and any resale of the products ordered and further that it has not and will not violate any anti-bribery laws in connection with the purchase and any resale of the products.

31. **Relationship of the Parties.** Purchaser acknowledges and agrees that it is an independent contractor and that it is not an employee, agent, representative, franchisee, partner, or joint venture of or with Company, has not paid and will not pay a franchise fee to Company, and is free to operate its business in accordance with its independent business judgment, provided that in doing so it does not violate any provision of these Terms and Conditions of Sale. Purchaser has no authority to bind Company by representations, statements, agreements, conduct, or in any matter whatsoever. Company shall not be liable for any debts, accounts, obligations, or other liabilities of Purchaser, its agents, employees, or representatives. It is expressly recognized that no fiduciary relationship exists between the parties.

32. **Entire Agreement.** Except as otherwise expressly provided herein, and in any Dealer Agreement between the Company and Purchaser (including any Riders or other addenda thereto) these Terms and Conditions, and any attachments affixed by Company, together with any other terms and conditions provided by the Company to Purchaser on an invoice or purchase order or in any Dealer Agreement between the Company and Purchaser (including any Riders or other addenda thereto), constitute the entire agreement between Company and Purchaser with respect to the sale of products and supersede all prior representations, understandings and agreements with respect to such sale. These Terms and Conditions shall prevail over those of any invoice, purchase order, agreement, or other document or understanding of Purchaser pertaining to this sale.

Limited Warranty Performance and Coverage

The Rivulis products listed below ("Products") are intended and limited to agricultural, horticultural irrigation and mining. Rivulis Irrigation warrants to its customers that its Products will be free from defects in materials and workmanship for the warranty period of each Product Category stated below from the date of shipment from Rivulis. Rivulis will, at its sole option, repair or replace part or all of a defective Product, or refund part or the entire original purchase price under the terms and conditions of this warranty. Any technical assistance furnished by Rivulis with respect to Products covered by this warranty shall be furnished without charge and will be given and accepted at the customer's sole risk. Non-defective replacement parts required to perform or complete warranty repairs will not be covered under the terms of this warranty. Claims must be made within fifteen (15) calendar days of the time the defect become apparent by contacting an Authorized Rivulis Dealer or notifying in writing Rivulis Irrigation, Attention: Warranty Service, 7545 Carroll Road, San Diego, CA 92121" with the claim, and at Rivulis option, either return the alleged defective Product to Rivulis, or grant access to Rivulis or a Rivulis factory representative, as the case may be, to inspect the Product on site. Correspondence must be accompanied by original customer purchase receipt and delivery receipt. Rivulis must preauthorize the return of all defective Products. All substantiated warranty claims are limited to the replacement of the defective product not including any removal and/or installation or associated costs for removal and/or installation. This warranty applies only to products branded and sold under the Rivulis name. Freight Carrier assumes the responsibility of safe delivery and all claims for such damages must be filed with the freight carrier directly.

WARRANTY COVERAGE

Thin and medium wall drip lines with emission devices (By Wall Thickness) - D5000, Hydrodrip, Ro-Drip and T-Tape

Product	Period (Agricultural)	Period (Mining)
5 mil	6 Months	Not recommended for use in this application
6 - 10 mil	1 Year	Not recommended for use in this application
12 - 18 mil	2 Years	1 Year *not applicable for Hydrodrip & D5000

Thin and medium wall drip lines with emission devices (By Wall Thickness) - Rivulis Reserve Drip Tape

Product	Period (Agricultural)	Period (Mining)
5 mil	1 Year	Not recommended for use in this application
6 - 8 mil	2 Years	Not recommended for use in this application

Medium and Thick wall drip lines with emission devices (By Wall Thickness) and Hose and Tubing (By Wall Thickness) Except Layflat

Product	Period (Agricultural)	Period (Mining)
19 - 44 mil	3 Years	1 Year*applies to D5000 35 -45 mil
45 mil and larger	5 Years	2 Years

Components

Product	Period
Air Valves	1 Year after delivery
Fittings for drip lines and PE hose	5 Years
Hydraulic Control Valves	1 Year after delivery
Impact Sprinklers	2 Years
In-line Drippers in their original form, On-Line drippers, Sprayers, Micro-Sprinklers, Misters and Foggers	3 Years
Layflat	6 Months
Metal Filters, Plastic Filters, Media Filters, Strainers, Sand Separators, Fertilization Tanks -To be free of defects in design, materials and workmanship	2 Years after delivery
PE Flat Hose	2 Years
PVC Pipe, PVC Valves and PVC Fittings	1 Year

If the warranty period is longer than twelve months, and Products are replaced under the warranty after the first year, Buyer will pay a prorated percentage of their cost, equal to the ratio between the period that has passed prior to replacement and the full warranty period.

Limited Warranty Performance and Coverage (continued)

EXCEPTIONS TO WARRANTY

The following items are specifically excluded from any warranty coverage:

1. Installation or use of Products beyond design specification including, but not limited to, use in a non-agricultural, non-mining or non-horticultural irrigation application, use in conjunction with any other Product not manufactured or supplied by Rivulis, or Product that is otherwise improperly installed;
2. Product not purchased from Rivulis or an Authorized Rivulis Dealer;
3. Products subjected to any alterations, modifications, or repairs that are attempted by anyone other than an authorized Rivulis employee, Dealer or representative;
4. Damages or plugging resulting from insects, rodents or other animals; incorrect pressurization; improper treatment or filtration of water to the requirements specified for the product components; mechanical damages; root intrusion; burn holes from using products under clear plastic mulch; incorrect power (current, voltage and/or frequency) or use with improper or faulty electronic components;
5. Any labor on installation or removal of any Product, including: any removal for purposes of inspection or determination of whether any defects exist, for any costs incurred for labor or services in connection with the inspection or removal of any Product, and/or for installation of a replacement Product;
6. Product that has been subjected to improper operation, abuse, misuse, mishandling, accident, neglect, or failure to follow the manufacturer's instructions;
7. Damage caused by normal wear;
8. Damage or loss as a result of, or during, shipping; and
9. Acts of nature, accidents, or other causes beyond the control of Rivulis.

DISCLAIMERS

THE FOLLOWING REMEDIES ARE EXCLUSIVE. **THE WARRANTIES EXPRESSED HEREIN ARE THE ENTIRE WARRANTIES OF RIVULIS FOR ITS PRODUCTS DESCRIBED ABOVE AND ARE IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, ORAL OR STATUTORY, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** NO AGENT, REPRESENTATIVE, DEALER, DISTRIBUTOR, SERVICE COMPANY, OR OTHER PARTY IS AUTHORIZED TO CHANGE, MODIFY, OR EXTEND THE TERMS OF THIS WARRANTY OR TO MAKE ANY REPRESENTATION OR WARRANTY NOT CONTAINED HEREIN. RIVULIS, ITS DIRECTORS, OFFICERS, EMPLOYEES, AGENTS, PARENT OR AFFILIATED COMPANIES, SUCCESSORS AND ASSIGNS SHALL IN NO EVENT BE LIABLE FOR INJURY TO ANY PERSON, OR FOR ANY CLAIM FOR DAMAGE, HOWEVER ARISING AND ASSUMES NO LIABILITY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY TYPE RESULTING FROM THE USE OF ITS PRODUCTS, WHETHER OR NOT FORESEEABLE. ALL CONSEQUENTIAL EXPENSES, INCLUDING LOSS OF USE, LOSS OF PROFIT, LOST SAVINGS, LOSS OF SALES, CROP LOSS OR DAMAGE TO CROPS, OR CONTINGENT LIABILITIES, WHICH MAY INCLUDE BUT ARE NOT LIMITED TO THE REMOVAL OF OTHER VEGETATION, CUSTOM FIXTURES OR THE NEED FOR CRANE/EQUIPMENT RENTAL FOR REMOVAL, ARISING OUT OF ANY ALLEGED DEFICIENCIES OF THE PRODUCTS ARE SPECIFICALLY EXCLUDED. TO THE MAXIMUM EXTENT PERMITTED UNDER APPLICABLE LAW, RIVULIS ENTIRE LIABILITY FOR PRODUCTS REGARDLESS OF THE FORM OF ACTION SHALL IN NO EVENT EXCEED THE TOTAL AMOUNT PAID TO RIVULIS FOR THE SPECIFIC PRODUCT GIVING RISE TO THE CLAIM.

Revision Date: September 2015

Formulas (US Units)

Formulas - Calculating Number of Drippers Per 100'

Drippers per 100'		Quick Chart - Drippers/100'	
1200		Spacing	Number of Drippers/100'
Dripper Spacing (in)		(inch)	
		4	300
		6	200
		8	150
		9	133
		12	100
		16	75
		18	66.7
		24	50

Formulas - Drip Tape Flow Rate (US Units)

GPM Per Acre	GPH per Drinker to Q100	Q100	Q100 to GPH Per Drinker
$\frac{\text{Feet of Tape/Acre}}{100} \times Q100$	$\frac{\text{GPH} \times \text{Drippers per 100}'}{60}$	= Drip Tape GPM per 100 ft.	$\frac{Q100}{\text{Drippers per 100}'} \times 60$

Formulas - Drip Tape System Design Formulas (US Units)

Acres	Application Rate (in/hr)	Feet of Tape Per Acre	Slope %
$\frac{\text{Length} \times \text{Width}}{43,560}$	$\frac{11.6 \times Q100}{\text{Tape Lateral Spacing (in)}}$	$\frac{43,560 \times 12}{\text{Tape Lateral Spacing (in)}}$	$\frac{\text{Feet of Drop}}{\text{Row Length}} \times 100$
System Run Time (hr/day)* (peak)			
$\frac{ET}{\text{Application Rate}}$			

* Approximate

Measurement Conversions

Conversions			Centimeters to Inches	LPH per 100 m to Q100
1 PSI	=	2.31 FT	Centimeters	LPH per 100 m
1 FT	=	0.433 PSI	$\frac{2.5}{}$	$\frac{745}{}$
1 CFS	=	449 GPM		
1 AC-FT	=	325,850 GAL		
1 AC-IN	=	27,154 GAL		
1 Hectare	=	2.47 AC		
1 Meter	=	3.28 FT		
1 Mile	=	1.6 KM		
Fahrenheit to Celsius				
$(F-32) \times 5/9 = C$				
Celsius to Fahrenheit				
$(C \times 1.8) + 32 = F$				

Formulas (Metric Units)

Formulas - Calculating Number of Drippers Per 100 m

Drippers per 100 m	Quick Chart - Drippers/100 m	
	Spacing (cm)	Number of Drippers/100 m
10,000	10	1000
Dripper Spacing (cm)	15	667
	20	500
	23	435
	30	333
	40	250
	45	222
	60	167

Formulas - Drip Tape Flow Rate (Metric)

LPS Per Hectare	LPH per Dripper to Q100	Q100	Q100 to LPH per Emitter
$\frac{(\text{m}) \text{ of Tape/HA}}{100} \times Q100 \times 0.00028$	LPH X Drippers per 100 m	= Drip Tape LPM per 100 meters	$\frac{Q100}{\text{Drippers per 100 m}}$

Formulas - Drip Tape System Design Formulas (Metric)

Hectares	Application Rate (mm/hr)	Meters of Tape Per HA	Slope %
$\frac{\text{Length X Width (m)}}{10,000}$	$\frac{Q100 \text{ (metric)}}{\text{Tape Lateral Spacing (cm)}}$	$\frac{10,000}{\text{Tape Lateral Spacing (m)}}$	$\frac{\text{Meters of Drop}}{\text{Row Length (m)}} \times 100$
System Run Time (hr/day)* (peak)			
$\frac{\text{ET (mm)}}{\text{Application Rate (mm/hr)}}$			

* Approximate

Measurement Conversions

Conversions	Centimeters to Inches	LPH per 100 m to Q100
1 Bar = 14.5 PSI	$\frac{\text{Centimeters}}{2.5}$	$\frac{\text{LPH per 100 m}}{745}$
1 Bar = 33.5 FT		
1 Bar = 100 kPa		
1 Km ² = 100 HA		
1 Hectare = 2.74 AC		
1 Meter = 3.28 FT		
1 Km = 0.62 Mile		
1 Mile = 1.6 KM		
Fahrenheit to Celsius		
$(F-32) \times 5/9 = C$		
Celsius to Fahrenheit		
$(C \times 1.8) + 32 = F$		

Rivulis Irrigation is one of the largest irrigation companies in the world. Providing precision drip and micro irrigation products and services to growers in every corner of the globe. And we're reaching these growers with industry leading irrigation brands like T-Tape®, Supertif, and Ro-Drip®. All of these products have been designed to deliver the right amount of water, at the right time. Helping growers efficiently and effectively use their resources.



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