



Reinke

MORE RIGHT THAN RAIN

PARTS CATALOG

Insist on the best!

**Genuine Reinke repair parts from your local Reinke dealer
no matter what brand of irrigation system you own!**

Quality Irrigation Products Since 1968





OUR MISSION...

TO EXCEED OUR CUSTOMERS'
EXPECTATIONS OF QUALITY,
SERVICE, AND
INNOVATION.

At Reinke Manufacturing Company, Inc. we are dedicated to your success. That's why we offer only the highest quality items at the most competitive prices.

Founded in 1954, Reinke Manufacturing Company, Inc. is one of the world's oldest and largest manufacturers of center pivot and lateral move irrigation systems. Reinke is a pioneer in agricultural mechanized irrigation technology, designing the first reversible, electric-gear-driven center pivot system with a bowstring truss. Headquartered in Deshler, Neb., Reinke's products are used throughout the United States and Canada and in more than 60 countries worldwide.

For more information on Reinke products, visit www.reinke.com or call our toll free Grower's Hotline at 866-365-7381 to locate the nearest full-service Reinke dealership.



REINKE MANUFACTURING COMPANY, INC.



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Main Control Panels

3



RPM - MCP

The first level of our all new RPM (Reinke Precision Management Main control panels. The RPM panel is our most basic design and comes standard with a dial timer, voltmeter, hour meter and main disconnect switch along with all the additional operator controls needed to effectively manage your irrigation system. The RPM panel is designed to allow quick and easy upgrades and will stand up to the rigorous requirements of agriculture today and far into the future.

140801 MCP-RPM STANDARD



RPM Advanced - MCP

The RPM Advanced panel is designed for more precise control of your irrigation system and comes standard with our industry leading PAC III timer / controller technology along with all the additional operator controls needed to effectively manage your irrigation system. The RPM Advanced panel is also designed to allow quick and easy upgrades and if paired with our exclusive Navigator line of GPS controls you can achieve unparalleled system accuracy.

140802 MCP-RPM ADVANCED



RPM Preferred - MCP

The RPM Preferred panel is unsurpassed in regards to precision control of your irrigation system and comes standard with our industry leading RAMS (Reinke automated management system) technology. The RPM Preferred panel is a computerized panel with the extensive controls needed to meet the requirements of precision agriculture today and far into the future. If paired with our exclusive Navigator line of GPS controls you can achieve the pinnacle in system accuracy.

140803 MCP-RPM PREFERRED



RPM Preferred With Touch Technology

The ultimate in our RPM series of main control panels is our RPM Preferred Touchscreen control panel. This industry leading panel is unparalleled in regards to its ease of use and precision control of your irrigation system. This panel utilizes a 10.1", sunlight readable, LCD, touchscreen to simplify the user experience making all options just a couple simple taps to the screen away. Items like end guns, barriers and auxiliaries can be reset in seconds eliminating the hassle of paging through screens to get where you want. The RPM Preferred Touchscreen panel is a fully computerized, windows based main control panel with the enhanced controls needed to meet the requirements of precision agriculture today and far into the future. If paired with our exclusive Navigator line of GPS controls you can achieve the pinnacle in system accuracy.

140809 MCP-RPM PREFERRED TOUCH

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RPM Main Control Panel Options

Features & Options	RPM Preferred W/Touch	RPM Preferred	RPM Advanced	RPM Basic
Center Pivot / Lateral Move Systems	■	■	■	■
Manual Pump Control	■	■	■	■
Multiple Speed Settings	■	■	■	□
Lightning Arrestor	■	■	■	□
Power Auto Restart	■	■	■	□
End Gun Shutoff	■	■	■	□
Programmable Park	■	■	■	∅
Temperature Restart	■	■	■	∅
Pressure Restart	■	■	■	∅
Position Auto Reverse	■	■	■	∅
Position Programmable	■	■	■	∅
Programmable System Startup	■	■	■	∅
Two End Guns / Auxiliary Outputs	■	■	■	∅
Low Voltage Safety	■	■	□	□
Configurable Alarm Inputs	■	■	∅	∅
Programmable Auxiliary Outputs	■	■	∅	∅
Time Programmable	■	■	∅	∅
Programmable Well Control	■	■	∅	∅
Logs / Record Keeping	■	■	∅	∅
Flow Meter	■	■	∅	∅
Cam Wheel / Cam Plate Controls	Uses GPS or resolver	Uses GPS or resolver	□	□
Manual Injector Pump Switch	Integrated	Integrated	□	□
Programmable A/C Inputs	■	Limited	∅	∅
Integrated Wireless Relay Controls	■	∅	∅	∅
Programmable Chem Pump Control	■	∅	∅	∅

■ - Standard □ - Optional ∅ - Not Available

Main Control Panels

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Features & Options	RPM Preferred W/Touch	RPM Preferred	RPM Advanced	RPM Basic
Graphical Display of Data	■	∅	∅	∅
Start Sequencing	■	∅	∅	∅
Water Application Scheduling	■	∅	∅	∅
LCD Touchscreen	■	∅	∅	∅
Configurable High/Low Voltage Setting	■	∅	∅	∅
Integrated Help Screens	■	∅	∅	∅
Microsoft Windows Interface	■	∅	∅	∅
Start/Stop by Flow	■	∅	∅	∅
GPS Positioning	■	□	□	∅
Manual Generator Control	□	□	□	□
Injector Receptacle Kit	□	□	□	□
RCSD (Residual Current Sensing Device) for Equipment	□	□	□	□
Pressure Switch	□	□	□	□
TowerAuto Reverse	■	■	■	□
Tower Auto Stop	■	■	■	□
Remote Panel Placement	□	□	□	□
220/240 Single Phase	□	□	□	□
UL/CSA Approved	□	□	□	□
Frost Switch	□	□	□	□
Temperature Probe	□	□	□	∅
Telemetry	□	□	□	∅
Telemetry Text Messaging	□	□	□	∅
Phone Link Remote	□	□	□	∅
Resolver Positioning	□	□	□	∅
Rain Gauge	□	□	∅	∅
Wind Vane	□	□	∅	∅

■ - Standard □ - Optional ∅ - Not Available

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PAC Timer

Features

- Works on most brands of equipment.
- Repeatable accuracy.
- Programming for the control of two end guns or one end gun and one auxiliary.
- Controls can be programmed for both center pivot and lateral move systems.
- Allows separate speed settings for forward and reverse directions of travel.
- The best choice for part circle applications.
- Gives you the ability to break your field into 10 sectors and change speed, end gun and auxiliary programs by sector.
- Delay at barrier programming
- System can stay at a barrier and continue to water for distribution at the barrier up to 10 minutes to insure even water.



162782 PAC BASIC RETRO KIT
 167008 PAC II END GUN GPS RETRO
 163391 PAC II W/ RESOLVER-END GUN ADD ON KIT
 167009 PAC II END GUN GPS ADD ON RETRO
 167012 PAC END GUN GPS ADD ON RETRO MAXI
 167013 P.A.C. II END GUN GPS RETRO MAXI
 163392 P.A.C. II FROST KILL RETRO KIT

Wireless Controller

- All units are transceivers for flexibility of installation
- Program Units in the field to be either a master or a slave
 - One to One
 - Operation with one master and one slave
 - Inputs at the master operate the corresponding output relay on the slave
 - Many to One
 - Multiple masters control one slave
 - One too Many
 - One master controls multiple slaves
- 4 Input channels
- 4 independent relay outputs
 - Relay 1, SPDT *8A, 120vac max
 - Relay 2, SPDT *8A, 120vac max
 - Relay 3, SPDT *8A, 120vac max
 - Relay 4, SPDT *8A, 120vac max 5 second "ON DELAY"
- Powerful 150MHz radios for increased reliability 3/4 mile communication range
- Configure to reduce interference (in field)



Part Numbers

353365 WIRELESS CONTROLLER - PAIR
 353366 WIRELESS CONTROLLER - SINGLE



End Tower Location

- ◆ Achieve unparalleled accuracy when integrated with the Reinke Preferred or Advanced panel.
- ◆ Sector programming allows for a change in application rate up to 10 times in the same field.
- ◆ Can be used on towable systems and is capable of storing up to 4 base reference points.
- ◆ Better end gun control with all system configurations.
- ◆ W.A.A. (Wilde Area Augmentation System) - enabled for unprecedented accuracy.
- ◆ Can be added to any system with the simple addition of a PAC timer.

Swing Arm Corner System and Lateral Move Guidance

- ◆ Can be retro fitted to all Reinke systems and most competitive brands of equipment.
- ◆ Operate multiple systems with one base unit (*still requires GPS equipment on each system*)
- ◆ Surveyor-grade equipment.
- ◆ Sub centimeter accuracy.
- ◆ In many cases can be integrated with existing precision agriculture GPS equipment.

NAVIGATOR™ End Tower Control Options

- 167007 GPS RESOLVER RETRO KIT - Used for the RAMS Panel
- 167008 PAC II ENDGUN GPS RETRO - Used for panels with the ATC timer in them.
- 167009 PAC II ENDGUN GPS ADD-ON RETRO - Used for panels with PAC Timers in them.
- 167012 PAC ENDGUN GPS ADD-ON RETRO MAXI - Everything needed to update a PAC II timer to GPS on a lateral.
- 167013 PAC II ENDGUN GPS RETRO MAXI - GPS / PAC III kit for a lateral move system including PAC III timer.
- 167014 GPS RESOLVER OPTION MAXI RETRO - Used to update a lateral move RAMS from a resolver to GPS.

NAVIGATOR™ Guidance Options

- 167000 SWING ARM CORNER GPS GUIDANCE RETRO - KIT
- 167001 SWING ARM CORNER GPS GUIDANCE RETRO - KIT FOR SYSTEMS EQUIPPED WITH PLC
- 167002 LATERAL MOVE SYSTEM GPS GUIDANCE RETRO - KIT
- 167003 LATERAL MOVE SYSTEM GPS GUIDANCE RETRO - KIT - WITHOUT BASE STATION

TO ORDER CALL YOUR LOCAL REINKE DEALER

Satellite Telemetry



OnTrac Satellite Technology

Control your system with any or all of the following devices.

- Cell Phone
- Landline Phone
- Wireless PC
 - Pager
- Handheld PC
- Smart Phones
- Home Computer

- Allows installation in remote areas that have limited or no cellular reception, making OnTrac more reliable than cellular communication.
- Eliminates signal reception issues caused by tall crops, terrain, buildings and equipment.
- Ensures service and compatibility well into the future.
- Multiple means of notification.
- Works on all brands of irrigation systems.
- Wide variety of options allow you to customize the equipment to fit your needs.
- Alerts you of all changes in status of their irrigation system.
- Allows you to view system status on the internet.
- Installs easily with no wiring required on the basic model.

Alert Notification to any or all of the following devices

- Cell Phone
- Text Message
 - Voice
- Landline Phone
- Wireless PC
 - Pager
- Handheld PC
- Smart Phones
- Home Computer
 - Email
- Secure Internet web site

Available Options

- Remote Stop
- Remote Start
- GPS Option
- Pressure monitoring.
- Rainfall reporting on the Internet.
- Flow Monitoring.
- Plus Much, Much more.....!

350730 - PRESSURE SWITCH KIT REPORTING WET OR DRY

350734 - PRESSURE TRANSDUCER KIT MONITORS ACTUAL SYSTEM PRESSURE

350734R - TRAC KIT PRESSURE TRANSDUCER FIELD UPDATE KIT (update kit for existing units already in the field)

350740 - RAIN GAUGE KIT - USED TO MONITOR RAINFALL, REPORTS EVERY .04 OF AN INCH

Available Units

350720 - TRAC POST-TWR MNT-MONITOR

350722 - TRAC POST-TWR MNT-W/STOP

350724 - ONTRAC-TOWER MOUNT-WITH STOP

350724GPS - ONTRAC-TOWER MOUNT-WITH STOP AND GPS

350725 - ONTRAC-PIVOT MOUNT-WITH STOP & START

350728 - TRAC-TOWER BOX-NO SOLAR

350728GPS - TRAC-TWR BOX WITH GPS-NO SOLAR

350728C - TRAC-TWR BOX-GPS CONV-NO SOLAR

350762 - TRAC KIT CENTER MOUNT GPS

350761 - GPS EOS RETRO-NO LINE RECEIVER

REINKE MANUFACTURING COMPANY, INC.

Pump Panel Kits & Fuses

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Pump Panels

149200	PUMP PANEL KIT, 100HP 480V
149201	PUMP PANEL KIT, 75HP 480V
149202	PUMP PANEL KIT, 60HP 480V
149203	PUMP PANEL KIT, 50HP 480V
149204	PUMP PANEL KIT, 40HP 480V
149205	PUMP PANEL KIT, 30HP 480V
149206	PUMP PANEL KIT, 25HP 480V
149207	PUMP PANEL KIT, 20HP 480V
149208	PUMP PANEL KIT, 15HP 480V
149209	PUMP PANEL KIT, 10HP 480V
149210	PUMP PANEL KIT, 7.5HP 480V
149211	PUMP PANEL KIT, 5HP 480V
149212	PUMP PANEL KIT, 3HP 480V



- 1) Approved for submersible pump application
- 2) 550LR Solid State Overload
- 3) Adjustable trip current
- 4) Ambient temperature compensated
- 5) Nema 8502 Type S contactors are used as standards
- 6) Sizes closely matched to common motor sizes
- 7) All devices are UL Listed and marked "SUITABLE ONLY FOR USE AS SERVICE EQUIPMENT"
- 8) Available in 3, 5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 75 and 100 hp kits.

Pump Panel Fuses

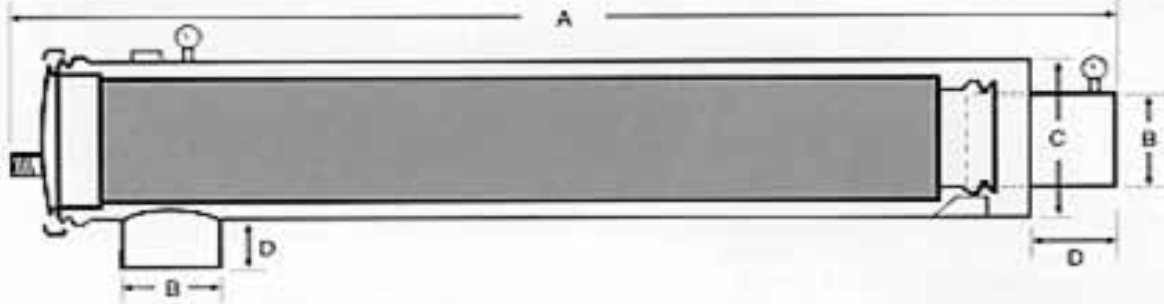


113980	FUSE-#FLSR 175 AMP-LITTLEFUSE
113981	FUSE-#FLSR 150 AMP-LITTLEFUSE
113982	FUSE-#FLSR 125 AMP-LITTLEFUSE
113983	FUSE-#FLSR 100 AMP-LITTLEFUSE

113984	FUSE-#FLSR 080 AMP-LITTLEFUSE
113985	FUSE-#FLSR 060 AMP-LITTLEFUSE
113986	FUSE-#FLSR 050 AMP-LITTLEFUSE
114025	FUSE-#FLSR 035 AMP-LITTLEFUSE
114026	FUSE-#FLSR 010 AMP-LITTLEFUSE

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SYSTEM PROTECTION FROM ALL TYPES OF DEBRIS AND LOW LEVELS OF SAND.



Model	GPM	A	B	C	D	Blow Off Outlet	Weight
275A	275	68"	4"	6 5/8"	6"	1"	70#
475A	475	70"	6"	12"	6"	2"	120#
700A	700	77"	6" - 8"	14"	6"	2 1/2"	170#
1200A	1200	130.5"	8" - 10"	14"	6"	2 1/2"	230#
2000A	2000	139.8"	10" - 12"	16"	6"	4"	360#

- Comes standard with a 24 Gauge Stainless Steel Screen with 3/32" (.094") perforations.
- Additional Screen Sizes Available from 1/64" to 1/4".

Standard Equipment

Barrels - Galv. or Enamel
 Ring Band Lock
 Replaceable Gaskets
 Can Be Welded Into Line
 Stainless Steel Screens
 Self Cleaning Blow Off
 0 to 125 Working Pressure

Optional Equipment

(2) Pressure Gauges
 Filter Manifolds Available
 Blow Off Valve (Gate or Ball)
 Air Vent
 Flanged, Ring Lock, or Victaulic Ends
 Larger Blow off up to 4"
 Outlet In Any Position (Pivot Pad to Pivot)
 All Stainless Steel
 Screen Brushes
 125 to 300 Working Pressure

Standard Clemons Filters - As pictured above.

119112	FILTER - 6" - 475 GPM - 3 / 32 CLEMONS
119113	FILTER - 8" - 700 GPM - 3 / 32 CLEMONS
119114	FILTER - 8" - 1200 GPM - 3 / 32 CLEMONS
119115	FILTER - 12" - 2000 GPM - 3 / 32 CLEMONS

RMCI Style Clemons Filters

149113	FILTER-IN LINE 8" - 700 GPM - 3 / 32 RMCI
149114	FILTER-IN LINE 8" - 1200 GPM - 3 / 32 RMCI
149115	FILTER-IN LINE 8" - 2000 GPM - 3 / 32 RMCI
149116	FILTER-IN LINE 10" - 2000 GPM - 3 / 32 RMCI



Chemical Check Valves

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Gaskets

- 119134 GASKET - 4-1/2" FLAT FLANGE
- 119135 GASKET - 5" FLANGE CHECK VALVE
- 119136 GASKET - 6" FLANGE CHECK VALVE
- 119138 GASKET - 8" FLANGE CHECK VALVE
- 119139 GASKET - 10 X 3/16 2 PLY
- 119140 GASKET - 10" FLANGE CHECK VALVE
- 119141 GASKET - 12 X 3/16 2 PLY

Check Valves

- 119104 VALVE - CHEMICAL - 6" FLANGE X WTRTT
- 119105 VALVE - CHEMICAL - 4"
- 119106 VALVE - CHEMICAL - 6"
- 119107 VALVE - CHEMICAL - 8"
- 119108 VALVE - CHEMICAL - 10"
- 119109 VALVE - CHEMICAL - 12"

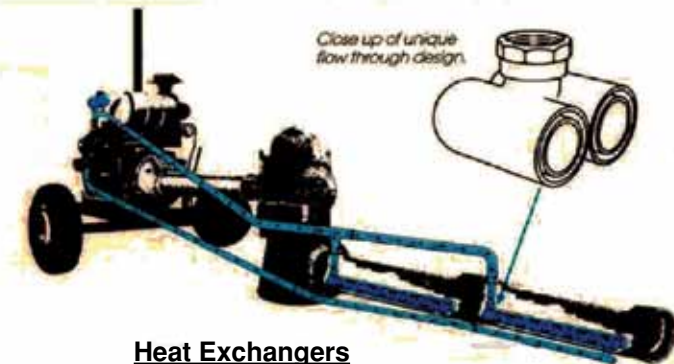
Check Valve Parts

- 119116 VALVE-1" LOW PR DRAIN WATERMAN
- 119117 VALVE-1-1/2 AIR VACCUUM RELIEF
- 119118 VALVE-RELIEF AIR 2" WATERMAN
- 119119 WASHER-RUBBER 1 ID X 1 9/16 OD
- 119120 O-RING 1-1/8 ID X 1/8
- 119121 VALVE DRAIN SEAT CHECK VALVE
- 119122 VALVE-DRAIN RUBBER TOP CK VALVE
- 119123 VALVE-DRAIN NUT CHECK VALVE

Companion Flanges

- 119124 FLANGE - 8-1/16 ID X 13.5 OD 8 HOLE

Blu Riv'r Heat Exchangers



Heat Exchangers

- | | |
|---------------------------|-------------|
| 149001 HEAT-EXCHANGER-24" | 40 HP Unit |
| 149002 HEAT-EXCHANGER-30" | 75 HP Unit |
| 149003 HEAT-EXCHANGER-40" | 90 HP Unit |
| 149004 HEAT-EXCHANGER-48" | 135 HP Unit |
| 149005 HEAT-EXCHANGER-60" | 200 HP Unit |

For higher horsepower units a combination of two units may be required.
270 HP units use two 48" Heat Exchangers.
400 HP units use two 60" Heat Exchangers.

Installation Kits

- 149006 SURGE TANK MODEL 416
- 149031 FITTING PACKAGE - 1-1/4"
- 149032 FITTING PACKAGE - 1-1/2"

Surge Tank



TO ORDER CALL YOUR LOCAL REINKE DEALER

Chemigation Units

- ◆ Applications of herbicide, insecticide, fungicide or fertilizer are made easy and virtually trouble free on nearly any crop.
- ◆ Each unit is complete chemigation package, mobile enough to move from one location to another
- ◆ 70, 110, and 200 gallon tank options available. Customize to your needs.
- ◆ Control pump and agitator independently.



Large Capacity Chemigation Units



- ◆ Same high quality technology that makes it possible to inject small amounts of liquid chemical into the irrigation stream.
- ◆ Engineered to distribute large quantities of highly viscous - even slurried - material through your irrigation system. Even the heaviest materials are kept in complete suspension for a uniform application across your fields.
- ◆ Sizes from 300 to 600 gallon tanks.
- ◆ Ideal for high volume pumps.

Insectigation Units

- ◆ Easily moved from one location to another. Lets you respond to insect problems when and where they arise.
- ◆ High degree of accuracy coupled with extreme 1:1000 turndown range allowing for very minute injection volumes.
- ◆ Customize to fit your needs with 10 gallon, 20 gallon, or 30 gallon tanks.
- ◆ System only pulls 3 amps at start-up and easily adapts to any power supply.



Total Containment Units



- ◆ Totally enclosed to eliminate expensive chemical leakages.
- ◆ 60 or 90 gallon containment units provide a high level of environmental protection.
- ◆ Units are ideal when using expensive chemicals.
- ◆ Same ultra efficient agitation system.

Milton Roy Pumps

- ◆ Versital design allows pump to be configured for most any application; including acids and high viscous liquids, potentially eliminating the need for multiple pumping units.
- ◆ Available in 3 ph, 12 volt, and 1 ph configurations.
- ◆ Worm & pinion drive produces a smooth, continuous mechanical motion that eliminates “wear and tear”.
- ◆ Micrometer capacity adjustment for accurate output flow control.



Fertigation Units



- ◆ Available in a wide variety of pump configurations.
- ◆ Ready to attach to any large capacity fertilizer tank.
- ◆ Pinpoint pumping accuracy that eliminates expensive product waste.
- ◆ Easily adjustable, without shutting down. Pumping accuracy at the twist of a knob.
- ◆ Three overload and surge protected power supply options for reliable, worry-free operation.

Mister Mist'r Injection Check Valve

- ◆ The Mister Mist'r™ is a patented injection check valve which is the choice of many governmental agencies.
- ◆ Achieves thorough mixing, superior distribution, and efficiency.
- ◆ Available in configurations for a variety of chemicals, including most acid and chlorine
- ◆ Bleeder valves are designed to allow for easy pump priming while directing chemicals away from the operator.
- ◆ Bleeder valves constructed of chemical-resistant plastic with chemical-resistant o rings.
- ◆ 1/4" FNPT inlet threads; 1/4" MNPT outlet threads.
- ◆ Mister Mist'r™ can be adapted to work with any size pipe.



Lima-Mac Generators

112826 GENERATOR - 10 KW
 112916 GENERATOR - 12.5 KW
 112917 GENERATOR - 15 KW
 112961 GENERATOR - 20 KW
 112962 GENERATOR - 25 KW
 112966 GENERATOR - 30 KW
 143086 GENERATOR & BOX - 30 KW
 143088 GENERATOR & BOX - 20 KW
 143089 GENERATOR/BOX - 25 KW
 143091 GENERATOR/BOX - 10 KW
 143092 GENERATOR/BOX - 12.5 KW
 143093 GENERATOR/BOX - 15 KW



Deutz Gen/Set

117369 GENERATOR - SET DEUTZ - LIMA 7.5 KW
 117370 GENERATOR - SET DEUTZ - LIMA 10 KW
 117371 GENERATOR - SET DEUTZ - LIMA 12 KW
 117372 GENERATOR - SET DEUTZ - LIMA 15 KW
 117373 GENERATOR - SET DEUTZ - LIMA 20 KW
 117380 GENERATOR - SET DEUTZ - F4L - LIMA 15 KW
 117381 GENERATOR - SET DEUTZ - BF4L - LIMA 25 KW
 145203 ENGINE - GENERATOR DEUTZ - LIMA 7.5 KW
 145204 ENGINE - GENERATOR DEUTZ - LIMA 12 KW
 145205 ENGINE - GENERATOR DEUTZ - LIMA 15 KW
 145206 ENGINE - GENERATOR DEUTZ - LIMA 20 KW
 145207 ENGINE - GENERATOR DEUTZ - F4L - LIMA 15 KW
 145222 ENGINE - GENERATOR DEUTZ - LIMA 10 KW



Kubota Gen/Set

117270 KUBOTA D905 W/ LIMA 5#KW (PIVOT)
 117271 KUBOTA D1105 W/ LIMA 7.5 KW (PI)
 117272 KUBOTA - V1505 / LIMA 10 KW
 117273 KUBOTA - D1703 / LIMA 10 KW
 117274 KUBOTA - D1703 / LIMA 12 KW
 117275 KUBOTA - V1903 / LIMA 12 KW - MAXI
 117276 KUBOTA - V1903 / LIMA 15 KW - PIVOTO
 117277 KUBOTA - V2203 / LIMA 15 KW - MAXI
 145084 KUBOTA / LIMA - 5 KW (5.5 CONT, 6.5 INT)
 145085 KUBOTA / LIMA - 7.5 KW (7.5C, 8.5 INT)
 145086 KUBOTA / LIMA - 10 KW (9.5C, 10.5 INT)
 145087 KUBOTA / LIMA - 10 KW (10C, 11.3 INT)
 145088 KUBOTA / LIMA - 12 KW (11.5C, 13 INT)
 145089 KUBOTA / LIMA - 12 KW (13.5C, 15 INT)
 145090 KUBOTA / LIMA - 15 KW (13.5C, 15 INT)



Phase Converters

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The UL Listed ROTO-CON® is an economical and dependable rotary phase converter that can operate a wide variety of equipment. Rotary phase converters' flexibility in operating different loads make them an economical alternative to costly three-phase line extensions and their associated demand charges. They are easily installed, require minimal maintenance, and give years of trouble-free service.

The ROTO-CON® is our most widely used and least expensive rotary phase converter. It is best suited for operating motors that do not operate continuously at high loads. Applications such as metal or woodworking shops, grain handling and milling, pivot irrigation towers, print shops, and food processing generally have these types of loads.

The ROTO-CON® is available with total load ratings from 2 to 200 HP for both 240 volt or 480 volt operation. If needed, special voltage or larger horsepower units can be accommodated.



Due to multiple options please call for availability and configuration.



Due to multiple options please call for availability and configuration.

The ROTOVERTER® is the only rotary converter that can simulate the current balancing capability of our ADD-A-PHASE®, thanks to its patented "tapped windings." The tap adjustments give you control over all three phases for balancing currents. Standard rotaries actually allow control of only two of the three phases. This balancing capability is especially important for motors that operate for extended periods at or near full load, and for higher power factor motors. Examples of such loads would be grain dryer or other fan motors, pumps, or continuously operating compressors.

For total loads up to 150 HP, the Type "C" ROTOVERTER® is recommended for multiple loads of varying horsepower ratings. The Type "D" ROTOVERTER®, available for total loads up to 52.5 HP works for applications where a single load (of either a single or multiple motors) is to be operated. It can also be used to power non-motor loads. Both types are available in either 240 volt or 480 volt units. CSA approved units are available up to 120 KVA.

Often referred to as a "static" phase converter, the RONK AD-A-PHASE® is actually a *full load*, autotransformer-capacitor style converter. The idea that the ADD-A-PHASE® is limited to one motor load only is absolutely false. There are ADD-A-PHASE® in operation now operating up to 6 motors, at full load, from one single unit.

The RONK ADD-A-PHASE® is still the most efficient phase converter manufactured today. The design allows adjustment to provide balanced three-phase power at any motor load up to the converters rating. The high efficiency (97%) and low standby losses make the ADD-A-PHASE® ideal in most automated applications.

The autotransformer design of the ADD-A-PHASE® allows the capability to dictate the output voltage, therefore eliminating the need for costly external step-up or step-down transformers.



Due to multiple options please call for availability and configuration.

TO ORDER CALL YOUR LOCAL REINKE DEALER



BENEFITS:

Increase Flotation

- The Agri-Trac provides 5 times as much ground surface area. Its concave shape and unique rolling action reduces wheel rut depths by 80%. The Agri-Trac prevents center pivots and lateral move systems from getting stuck in the mud even on the most difficult soils.

Increase Traction

- The tire tread bars mesh with the Agri-Trac treads and will not slip inside the track even on hills with slippery soils. The Agri-Trac provides 10 times as much tread length and traction.

Operates Smoothly

- The Agri-Trac rolls smoothly on small diameter tires without increasing the load on gearboxes. Expensive high flotation tires or large diameter tires are no longer needed. The Agri-Trac protects tires from sharp rocks and rotting sunlight.

Quality Construction

- The Agri-Trac is warranted for one year against defects in materials or workmanship. The Agri-Trac is hot dip galvanized to prevent rust and corrosion.

* Agri-Trac only fits on recap tires

* Competitive models available to fit 11 x 24.5 recap.

* Does not include tire/wheel

112288 - HINGE ASY AGRI TRAC

112289 - WHEEL SPACER - AGRI TRAC W/ STUDS

162290 - AGRI TRAC 11 X 22.5 PER TWR-RTRO-Includes Spacers and Tracs for 1 complete tower.



Sprinkler Lube 1200 is the first lubricant of its type, specifically designed for wheel gears and capable of surpassing the rigorous requirements of today's irrigation systems.

Sprinkler Lube assures maximum protection against corrosion of metal parts. This keeps the lubricant in good condition for extended service intervals. It is high-pass, which means it will not attack or corrode copper or brass, leaving the interior of the gearbox looking nearly new. Sprinkler Lube's superior anti-wear, extreme pressure agents protect against metal to metal contact and wear under excessive pressure or shock loads, increasing gear and bearing life. Special adhesive / cohesive additives make this product extremely sticky which allows it to form a grease seal on worn shafts, keeping lubricant in and water out. This also keeps lubricant on metal parts eliminating dry starts or contact with moisture. Unlike traditional gear oil, the thicker, gel-like consistency of Sprinkler Lube makes it less likely to leak from the gearbox.

Sprinkler Lube 1200 Benefits

- Less Downtime.
- Longer Seal Life.
- Longer Gearbox Life.
- Longer Lubricant Life.
- Resists water infiltration.
- Superior Anti-Wear Protection.
 - Becomes highly fluid at wear points to resist wear and move foreign material away from load area.
- Excellent Extreme Pressure Protection.
- Protection Against Gear Scoring.
- Less Seal Leakage.
 - Retains thickness at seal contact points to resist leakage.
- For use in all brands of center pivot irrigation systems.
- Reduces startup water.
- Provides a protective seal against rust and corrosion for all internal parts.
- Contains tackifiers to maintain a lubricating coating on all parts.



Wheel Gear Lubricant

119100	SPRINKLER LUBE 1200 35 LB PAIL
119101	SPRINKLER LUBE 1200 120 LB KEG
119102	SPRINKLER LUBE 1200 400 LB DRUM

* Approximately 7 pounds per gear

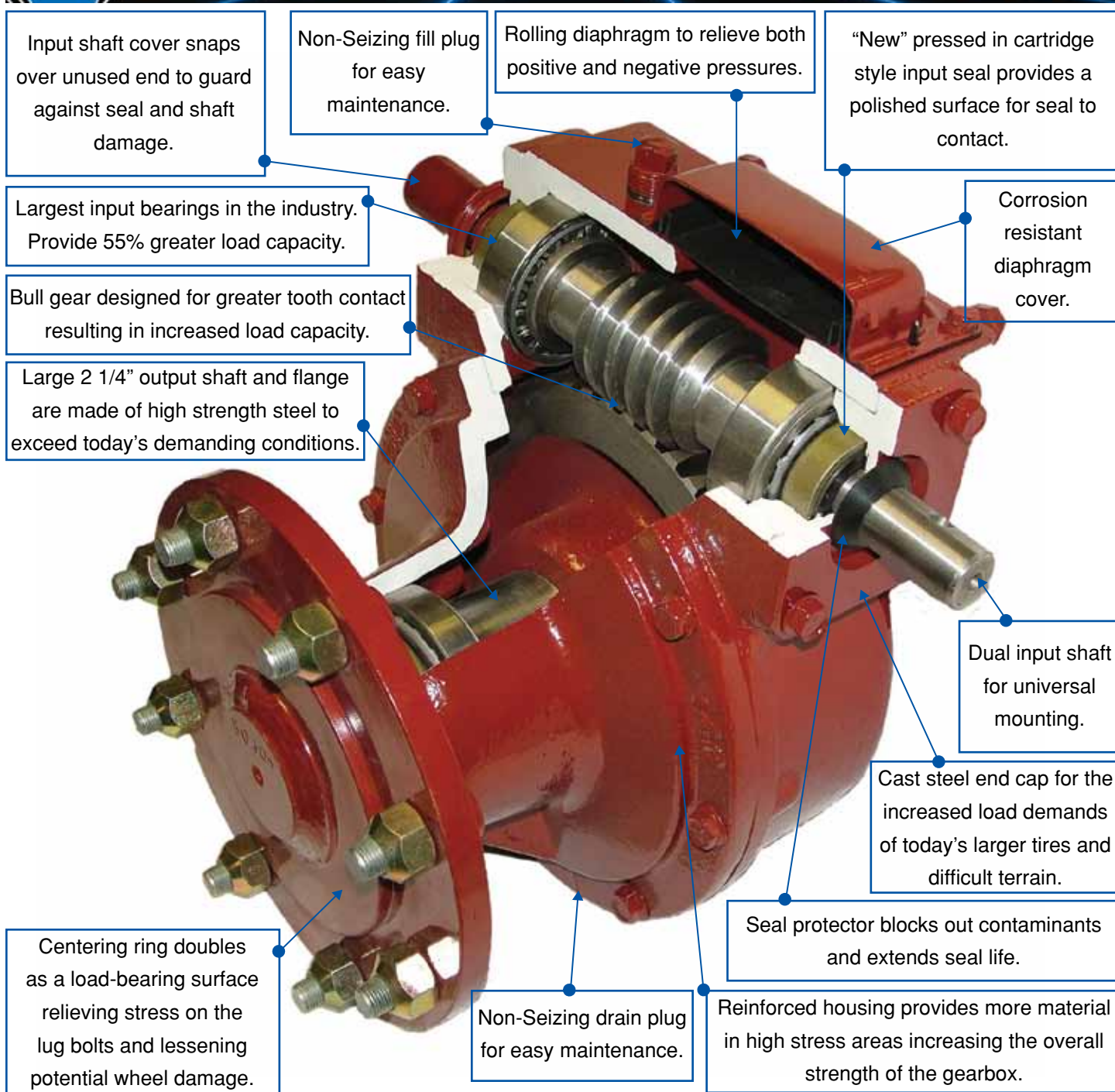
Center Drive Lubricant

119080	SPRINKLER LUBE 220-2 / 17.5 LB
119081	SPRINKLER LUBE 220-120 LB
119082	SPRINKLER LUBE 220-220 LB
119083	SPRINKLER LUBE 220-400 LB

* Quantity varies

TO ORDER CALL YOUR LOCAL REINKE DEALER

Wheel Gears



112118 WHEEL-GEAR REINKE NON TOW - 2.25"

- ◆ Standard wheel gear used on all Reinke systems.
- ◆ Used on competitive brands such as Zimmatic, Gifford Hill, Pierce & Lockwood, among others.
- ◆ Economical "Retro Kits" are available to convert many different makes of systems.

REINKE MANUFACTURING COMPANY, INC.

Wheel Gears

19



- ◆ Ultimate Duty Final Drive wheel box with larger bearings and 2 1/2" output shaft for longer spans, larger wheels, and heavier towers on all electric drive and hydraulic powered center pivot lateral move systems.
- ◆ Standard equipment on all Reinke Swing Arm Corner systems and lateral move power tower carts.

112104 WHEEL-GEAR REINKE NT - 2.5"

- ◆ 52:1 Worm gear ratio with extended output shaft to match those provided by original equipment manufacturer.
- ◆ Ultimate Duty Final drive wheel box with larger bearings and 2 1/4" output shaft for longer spans, larger wheels, and heavier towers on all electric drive and hydraulic powered center pivot lateral move systems.

112119 WHEEL-GEAR UMC VALLEY #725 UV



- ◆ Larger diameter Bull Gear to provide 20% higher output torque on all electric drive and hydraulic powered center pivot lateral move systems.
- ◆ Optional equipment for Reinke Swing Arm Corners (SAC).

112105 WHEEL-GEAR-NON TOW - UMC 760

- ◆ Towable Final drive wheel box, provide the ability to disengage the worm gear and allows users of all electric drive and hydraulic powered center pivot lateral move systems to move systems from one area to another.

112109 DRIVE ASSEMBLY-TOW / NON TOW-#10140-101A



TO ORDER CALL YOUR LOCAL REINKE DEALER

Driveline Couplers



- 1" Round X 3/4" Square.
- Pin centering design.
- Heavy Duty Urethane puck.
- Standard equipment on all Reinke systems.

112454 HIGH TORQUE DRIVE COUPLER

- Used on older Valley systems.
- Pin centering design.
- Heavy Duty Urethane puck.

112458 HIGH TORQUE COUPLER 1" ROUND X 1" SQUARE

- Used on all current Valley systems.
- Pin centering design.
- Heavy Duty Urethane puck.

112459 HIGH TORQUE COUPLER 1" ROUND X 7/8" SQUARE

- Complete bolt package for all high torque coupler packages listed.

112466 HIGH TORQUE COUPLER-BOLT-PACKAGE

- Used on Reinke Swing Arm Corners with extra heavy duty model 760 wheel gears.
- Heavy Duty Urethane puck.

112468 HIGH TORQUE COUPLER 3/4 SQUARE X 1-1/8 ROUND

- Heavy Duty Urethane puck.
- Pin centering design.

112461 HEAVY DUTY HIGH TORQUE COUPLER INSERT



- Fits all brands of equipment
- Fits inside of the Reinke U-Joint Shield
- Is a disc style/ belted coupler
- Special high polymer disc
- Exclusive to Reinke Mfg

112470 - BELTED/DISC COUPLER



142178 U-JOINT - 3/4 X 1 X 6

- Steel U-Joint.



112469 COUPLER-HI TORQUE UMC C-X HD

- Heavy Duty Urethane puck.
- Universal for all brands equipment.

Center Drives

21



- ◆ Universal mounting pattern to fit most makes and models of irrigation systems
- ◆ 95% Efficient planetary design for increased torque with reduced energy costs.
- ◆ All aluminum gear case and motor housing for improved corrosion resistance.
- ◆ Heat treated gears.
- ◆ High strength steel shafting and heat treated gears for superior durability and strength to insure long life.

MOTORS WITH THERMAL OVERLOADS

112254 GEAR MOTOR-30:1-W/TP
112255 GEAR MOTOR-40:1-W/TP
117768 GEAR MOTOR-50:1-W/TP
117769 GEAR MOTOR-25:1-W/TP
117772 GEAR MOTOR-60:1-W/TP

MOTORS WITHOUT THERMAL OVERLOADS

117770 GEAR MOTOR-25:1-W/O TP
117771 GEAR MOTOR-40:1-W/O TP



- ◆ Complete centerdrive for competitive brands of equipment.
- ◆ Available in 58:1, 47:1 and 31:1 ratio.
- ◆ Splined shaft.
- ◆ Stainless steel and aluminum construction.

C12250VZ
GEAR-MOTOR-58:1-1 HP US
C12251VZ
GEAR-MOTOR-47:1-1 HP US
C12252VZ
GEAR-MOTOR-31:1-1.5 HP US



- ◆ Worm Drive replacement centerdrive.
- ◆ For use with C-faced motors.
- ◆ Available in multiple ratios.
- ◆ Multiple bolt patterns for universal mounting.

112173 CENTER-DRIVE UMC-50:1
112174 CENTER-DRIVE UMC 30:1
112175 CENTER-DRIVE UMC-40:1
112176 CENTER-DRIVE UMC-60:1



- ◆ Worm drive replacement module for competitive brand equipment
- ◆ Splined shaft.
- ◆ Available in 58:1 or 47:1 ratios

C12175VZ
GEAR MODULE-47:1 RATIO

C12176VZ
GEAR MODULE-58:1 RATIO



- ◆ Available in 1 horsepower 40:1 and 3/4 horsepower 60:1 configurations
- ◆ Internal thermal overload protection.
- ◆ An available option on previous Reinke center pivot models.

112258
GEAR/MOTOR-US-3/4 HP 60:1

112259
GEAR/MOTOR-US-1 HP 40:1



- ◆ US Motors worm gear reducer
- ◆ 21:1 Ratio
- ◆ Standard with C-face adapter

112164
GEAR MODULE-US-21:1



- ◆ 220 Volt Single phase center drive unit.
- ◆ 80:1 ratio - 40:1 helical gear with a 2:1 reducer.

112257
CENTER DRIVE-UMC

TO ORDER CALL YOUR LOCAL REINKE DEALER

Centerdrive Motors



- ◆ 1-1/2 Horsepower.
- ◆ To be used where higher torque applications are required such as tighter soils and / or higher speed centerdrives.
- ◆ Will fit Ohio, Dresser and UMC worm drives among others.

C12499

MOTOR-1-1/2 HP-US-C FACE



- ◆ An alternative to C12508 Franklin motor.
- ◆ 1 Horsepower.
- ◆ C-Face mounting.
- ◆ Will fit Ohio, Dresser and UMC worm drives among others.

C12507

US-1 HP-C Face-Motor



- ◆ Replacement motor for Valley systems with vertical US centerdrives in either 47:1 or 58:1 ratio.
- ◆ 1 Horsepower.
- ◆ Splined Shaft.

C12498V

US-1 HP-Motor



- ◆ Motor used on Reinke systems with Ohio gears.
- ◆ 1 Horsepower.
- ◆ Will fit Ohio, Dresser and UMC worm drives among others.

C12508

Franklin-1 HP-C Face Motor



- ◆ Replacement motor for Valley systems with vertical US 31:1 ratio centerdrives.
- ◆ 1 1/2 Horsepower.
- ◆ Splined Shaft.

C12496V

MOTOR-US 1-1/2 HP-SPLINED SHAFT



- ◆ Replacement stator (motor windings less armature) for Valley systems with vertical US centerdrives in either 47:1 or 58:1 ratio.
- ◆ 1 Horsepower.

C12165V

STATOR-1 HP-WITH END COVER KIT



- ◆ Thermally protected.
- ◆ 1 horsepower motor.
- ◆ C-Face mounting.
- ◆ Will fit Ohio, Dresser and UMC worm drives among others.

C12500

MOTOR-US-1 HP-C FACE WITH
THERMAL OVERLOAD

Centerdrive Motors

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- ◆ A thermally protected Franklin motor like the one used on Reinke systems with Ohio gears.
- ◆ Will fit Ohio, Dresser and UMC worm drives among others.
- ◆ One horsepower.

C12497

MOTOR-1 HP C FACE-FRANKLIN WITH
THERMAL OVERLOAD



- ◆ Motor used on Reinke systems with Ohio gears through as late as 1997.
- ◆ Will fit Dresser and UMC worm drives among others
- ◆ 1 1/2 Horsepower.

C12509

FRANKLIN-1 1/2 HP-C FACE-MOTOR



- ◆ Replacement motor module for: 112258 GEAR / MOTOR-US.
- ◆ 3/4 HP.

112260

MOTOR MODULE-3/4 HP - US



- ◆ Replacement motor module for: 112259 GEAR / MOTOR-US.
- ◆ 1 Horsepower.

112261

MOTOR-MODULE-1 HP - US



- ◆ Replacement motor for single phase system.
- ◆ 1 Horsepower.
- ◆ 230 Volt.

112557

MOTOR-SINGLE PHASE-1 HP 230V AC



- ◆ Replacement strators for US Motors manufactured Reinke centerdrives.
- ◆ Includes motor windings, end cap with bearing and silicone sealant.

142165-S STATOR-STD SPEED-NO OVLD
142166-S STATOR-HIGH SPEED-NO OVLD
142167-S STATOR-LOW SPEED-US
142168-S STATOR-STD SPEED-US
142169-S STATOR-HIGH SPEED-US



- ◆ Replacement stators for UMC/Reinke centerdrives.
- ◆ 117773 is the motor for 112255
- ◆ 117774 is the motor for 117769
- ◆ 117778 is the motor for 117772

117773 STATOR KIT-UMC HEL-STAN

117774 STATOR KIT-UMC HEL-HIGH

117778 STATOR KIT-UMC HEL-LOW

TO ORDER CALL YOUR LOCAL REINKE DEALER



CCMR Time Delay Fuses

113107	FUSE- 3 A, UL CCMR, TIME-DELAY
110813	FUSE- 4 A, UL CCMR, TIME-DELAY
112811-10	FUSE- 6 A, UL CCMR, TIME-DELAY
112879-10	FUSE-15A, UL CCMR, TIME DELAY
110880-10	FUSE-20A, UL CCMR, TIME DELAY
110881	FUSE-25A, UL CCMR, TIME-DELAY
110882	FUSE-30A, UL CCMR, TIME-DELAY

FLSR Fuses

112770-2	FUSE-#FLSR 15 AMP-LITTLEFUSE.....
C12770V-2	FUSE-#FLSR 17.5 AMP 600 VOLT
113051-2	FUSE-#FLSR 20 AMP-LITTLEFUSE.....
112771	FUSE-#FLSR 25 AMP-LITTLEFUSE.....
113050-2	FUSE-#FLSR 30 AMP-LITTLEFUSE.....
112789-2	FUSE-#FLSR 40 AMP-LITTLE FUSE.....

SUBMINI Fuses

113045	FUSE-SUBMINI .125 AMP #F821-ND
113046	FUSE-SUBMINI 1.50 AMP #F827-ND
113047	FUSE-SUBMINI 10 AMP #F835-ND

Electronic Glass Fuses

113042	FUSE-#F660-ND 1/4AMP SLOBLO LT
113336	FUSE-#313375 3/8 AMP - LITTLE
113340	FUSE 1-1/2 AMP LITTLE FUSE
113370-10	FUSE 4A SLO BLOW 2AG
113064-5	FUSE-#313005 - 5 AMP - LITTLE
112766	FUSE-#326015 15 AMP LITTLEFUSE

KLKR Fuses

112675-10	FUSE-KLK 10 AMP
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Where Used

GE .5 Transformer Fuse
Transformer fuse used in RPM Back Panels
RPM Panel Main Disconnect Fuse
Heavy duty 1.5 KVA transformers & all RPM Panels
RPM Panel Main Disconnect Fuse
RPM Panel Main Disconnect Fuse
RPM Panel Main Disconnect Fuse

Reinke gray panel boxes Main Disconnect Fee
Valley main control panels
Reinke gray panel boxes Main Disconnect Fee
Reinke gray panel boxes Main Disconnect Fee
Reinke gray panel boxes Main Disconnect Fee
Generator boxes and Canal Feed panels

(obsolete)
(obsolete)
(obsolete)

P.A.C. timer fuse
Buried wire receiver fuse
Transmitter fuse
RPM Advanced MCP eng gun board fuse
S-Boxes on Swing Arm Corner systems
Fuse for Heavy Duty 60 amp disconnect

.750 KVA transformer fuse

Fuses

25



Electronic "Fast Acting" Glass Fuses

113052-5	FUSE-#312.250 1/4 AMP-LITTLE
113337	FUSE-#312001-1 AMP-LITTLE
113048-5	FUSE-#31202.5 2-1/2 AMP LITTLE.....

Miscellaneous Fuses

112608	FUSE-3 AMP 603-0141
115399	FUSE 4A SLOW BLOW FOR D2-12TR.....

FLQ Fuses

113103	FUSE-#FLQ 1/2 AMP-LITTLEFUSE
112757	FUSE-#FLQ-1 1/4 AMP-MIDGET
C12773Z-1	FUSE-#FLQ 500V 3 & 2/10 AMP.....
C12774Z-10	FUSE-#FLQ 500V 4 AMP
C12771V-10	FUSE-#FLQ 5A 500V
112772-10	FUSE-#FLQ 6 AMP-LITTLEFUSE
112984	FUSE-#FLQ 10 AMP-LITTLEFUSE
113043	FUSE-#FLQ 12 AMP-LITTLEFUSE
113020	FUSE-#FLQ 15 AMP-LITTLEFUSE
113059-10	FUSE-#FLQ 20 AMP-LITTLEFUSE
113044-10	FUSE-#FLQ 25 AMP-LITTLEFUSE
112676	FUSE-#FLQ 30 AMP-LITTLEFUSE

NLN Fuses

C12772Z-10	FUSE-5AMP NLN
113108	FUSE-#NLN 6 AMP-LITTLEFUSE.....
112773-10	FUSE-#NLN 10 AMP-LITTLEFUSE.....

BLF Fuses

113049-10	FUSE-#BLF 1-1/2 AMP LITTLE
113106	FUSE-#BLF 3 AMP-LITTLEFUSE

Where Used

S-Boxes, Valve Boxes, PLC Boxes
Buried wire receiver fuse
RAMS CPU fuse

Actuator valve fuse (obsolete)
PLC output card fuse for Accu-Corner

(obsolete)
Motorized screens on Canal Feed Laterals
Zimmatic Fuse
Zimmatic Fuse
Valley Fuse
Injector Pump Receptacle
Single PHase MCP, Gen Sets, Select Lateral MCP's
(obsolete)
10 KW Generators, 5 HP B.P. Boxes, 10 KW Gen Sets
12.5 KW Generators & 12.5 Gen Sets
15 KW Generators & 15 Gen Sets
20, 25 & 30 KW Generators and Gen Sets

Zimmatic Fuse
GE Transformer Fuse
Main Control Panel

RAMS power supply fuse
(obsolete)

TO ORDER CALL YOUR LOCAL REINKE DEALER

Pressure Switches



- ◆ Reinke pressure switch.
- ◆ Operating range of 0 psi to 6 psi.

112975

SWITCH-LOW PRESS



- ◆ Barksdale brand pressure switch.
- ◆ Pressure range 1-15 psi.

112958

SWITCH-PRES E1S-R15



- ◆ Barksdale brand pressure switch.
- ◆ Pressure range 6-90 psi.
- ◆ Anodized aluminum enclosure.

112959

SWITCH-PRES E1H-R90



- ◆ Barksdale brand pressure switch.
- ◆ Pressure range 1-90 psi.
- ◆ Open switch w/ out enclosure.

112960

SWITCH-PRES E1S-R90



- ◆ Zimmatic Pressure switches replacement
- ◆ Available in 15 psi or 90 psi models.
- ◆ Configured to allow both normally open or normally closed contact.

C12974Z-1

SWITCH-PRESSURE 15 PSI

C12975Z-1

SWITCH-PRESSURE 90 PSI



- ◆ Lockwood Pressure Switch.
- ◆ ASCO brand pressure switch.
- ◆ Enclosed for protection from the elements.
- ◆ Operating range of 10 psi to 90 psi.

112971L

SWITCH-PRESSURE WITH
ENCLOSURE

- ◆ Lockwood Pressure Switch.
- ◆ Adjustable from 10 psi to 90 psi.
- ◆ Configured to allow both normally open or normally closed contact.

112970ZL

SWITCH-PRESSURE



- ◆ Valley Pressure switches.
- ◆ Available in 15 psi or 90 psi models.
- ◆ Configured to allow both normally open or normally closed contact.
- ◆ Complete with enclosure.

C12972V7

SWITCH-PRESSURE 15 PSI

C12973V

SWITCH-PRESURE 90 PSI

Timers

27



- ◆ Program water application rate by depth.
 - ◆ Apply water by the inch or fraction of an inch.
- ◆ Digital precision.
- ◆ When paired with Navigator GPS:
 - ◆ Control end guns precisely.
 - ◆ Apply water by sectors.

162782

PAC BASIC RETRO KIT



- ◆ Eagle brand.
- ◆ Over water timer.
- ◆ Valley style replacement.

C12588V-1

TIMER-OVER WATERING



- ◆ Used as overwatering timer in B tower box.
- ◆ DODO - Delay On Drop Out.
- ◆ Exclusive to only Reinke Manufacturing Co.
- ◆ UL listed and CSA Certified.

112588-1

TIMER-20-MIN ELECTRONIC - DODO



- ◆ Used in Auto Restart applications.
- ◆ DOPI - Delay On Drop Out.
- ◆ Solid State Chassis.
- ◆ Preset for 5 minutes.

112759

TIMER AUTO RESTART
SOLID STATE - DOPI



- ◆ 30 Sec. timer.
- ◆ Used in Laterals & Swing Towers.
- ◆ Eagle brand electric timer.
- ◆ 0 to 100% with 2% graduations.

110630

TIMER 30 SEC PERCENTAGE



- ◆ 60 Sec. timer.
- ◆ Used in RPM Basic Panel
- ◆ Used in RPM Basic with Tower A/R panel.
- ◆ Used in all gray panels.
- ◆ Eagle brand electronic timer.
- ◆ 0 to 100% with 2% graduations.

110660

TIMER 60 SEC PERCENTAGE

TO ORDER CALL YOUR LOCAL REINKE DEALER

Micro Switches



- ◆ Short arm micro switch with nylon roller.
- ◆ Used on all Reinke systems with "molded" tower boxes.

112568-4

SWITCH-MICRO SHORT ARM WITH
NYLON ROLLER

- ◆ Short arm "cam" style micro switch.
- ◆ Used by Lockwood.

C12561L-4

SWITCH-MICRO CAM SHORT ARM



- ◆ Short arm "cam" style micro switch with side terminals.
- ◆ Used by Lockwood.

C12561L-4

SWITCH-SHORT ARM CAM WITH
SIDE TERMINALS

- ◆ Plunger Roller micro switch.
- ◆ Used by Valley, Zimmatic, Lockwood and others.
- ◆ Primarily used as an end gun switch.

C12563VZL-1

SWITCH-MICRO-PLUNGER WITH
ROLLER

- ◆ Short Arm adjustable micro switch with roller.
- ◆ Used primarily on Valley systems.

C12564V-4

SWITCH-MICRO-SHORT ARM WITH
STEEL ROLLER

- ◆ Long arm micro switch with roller.
- ◆ Used by Zimmatic.

C12565Z-4

SWITCH-MICRO LONG ARM WITH
ROLLER

- ◆ Short arm non-adjustable micro switch.
- ◆ Used by Gifford Hill and Tumac.

C12566GT

SWITCH-MICRO-SHORT ARM WITH
ROLLER

Contactors & Overloads

29



- ◆ B & J brand.
- ◆ Motor contactor used in Reinke tower boxes with Franklin 1 HP motors and Ohio or UMC gears.
- ◆ 2.8 AMP.

113257-1

TOWER BOX OVERLOAD



- ◆ B & J brand.
- ◆ Motor contactor used in Reinke tower boxes with Franklin 1 1/2 HP motors and Ohio or UMC gears.
- ◆ 4.0 AMP.

113258-1

TOWER BOX OVERLOAD



- ◆ Square D brand.
- ◆ Reversing contactor used in booster pump boxes on Reinke systems and some competitive applications.

112990D

BOOSTER PUMP REVERSING
CONTACTOR



- ◆ Square D brand.
- ◆ Reversing contactor used in older gray Reinke main control panels and some competitive applications.

144091D

MAIN CONTROL PANEL
REVERSING CONTACTOR



- ◆ Square D brand.
- ◆ Reversing contactor used in Reinke RPM main control panels (blue) and some competitive applications.

144991

MAIN CONTROL PANEL
REVERSING CONTACTOR



- ◆ B & J 3 pole contactor with one normally open aux contact.

114028-1

CONTACTOR BJ

TO ORDER CALL YOUR LOCAL REINKE DEALER

Contact Blocks



- 1) Used in new preferred panels, push button, 3 position switch, and 2 position switches.
- 2) Also used in S-boxes, Maxigator control boxes, and PLC boxes
- 3) Replacement for 112601 - requires entire switch for replacement.

110601

CONTACT BLOCK N.O. #ZBE101



- 1) Used in new preferred panels.
- 2) Also used in PLC's, Maxigator control boxes, 2 position switches.
- 3) Replacement for 112602 - requires entire switch for replacement.

110602

CONTACT BLOCK N.C. #ZBE102



- 1) Replacement for 112604

110604

CONTACT BLOCK
EARLYMAKE#ZBE201

- 1) Replacement for 112605

110605

CONTACT BLOCK
LATEBREAK#ZBE202

- 1) Used in E60 main control panels
- 2) Also used in S-Box and PLC's

112601

BLOCK CONTACT N.O. #ZB2-BE101



- 1) Used in E60 main control panels
- 2) Also used in S-Box and PLC's

112602

BLOCK CONTACT N.C. #ZB2-BE102



- 1) Used in E60 main control panels.

112604

BLOCK CNTCT N.O. ERLY#ZB2BE201



- 1) Used in E60 main control panels.

112605

BLOCK CNTCT N.C. LATE#ZB2BE202

Relays

31



- ◆ Reinke tower auto reverse relay.
- ◆ Relay located in last or "C" tower box on all Reinke systems with tower auto reverse or 11 conductor pivot auto reverse.

113330
11 PIN LATCHING RELAY

113180
SOCKET-#27E123 11 PIN



- ◆ Zimmatic Relay.
- ◆ Double pole single throw.
- ◆ 120 Volt AC.
- ◆ 25 Amp.

C13331Z
RELAY-POWER



- ◆ Zimmatic Relay.
- ◆ Single pole double throw.
- ◆ 24 volt AC.
- ◆ 25 AMP.

C13333Z
RELAY-POWER



- ◆ Relay used in many applications on Reinke systems. Can be found in tower boxes, main control panels and switch boxes.
- ◆ Available in 480 volt or 120 volt models.

112611
RELAY-HONEYWELL 480 VOLT

112969-1
RELAY-HONEYWELL 120 VOLT



- ◆ 8 Blade relay used by Valley and Lockwood.
- ◆ 12 Volt DC.

C13336VL-1
RELAY-8 BLADE ICE CUBE



- ◆ Valley relay.
- ◆ 12 Volt DC.
- ◆ Single pole double throw.

C13338V
RELAY-POWER



- ◆ Valley relay.
- ◆ 120 Volt DC.
- ◆ Double pole double throw.
- ◆ 30 amp.

C13337V
RELAY-POWER



- ◆ Zimmatic relay.
- ◆ 120 Volt AC.

C13334Z-1
RELAY-9 BLADE ICE CUBE

TO ORDER CALL YOUR LOCAL REINKE DEALER



- ◆ B & J position RPM main control panel actuator.

114020

ACTUATOR 3 POS BJ BC3KRN3



- ◆ Push button B & J RPM main control panel actuator.

114021

ACTUATOR PB BJ BC3DSW



- ◆ B & J 2 position RPM main control panel actuator.

114022

ACTUATOR 2 POS BJ BC3KRN11



- ◆ B & J normally open contact block for main control panel switch.

114023

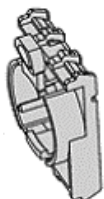
CONTACT BLOCK N.O. BJ B3T10



- ◆ B & J normally closed contact block for main control panel switch.

114024

CONTACT BLOCK N.C. BJ B3T01



- ◆ B & J brand.
- ◆ Connector for actuator knob to contact block.

114027

CONNECTOR BJ B3S



- ◆ Surge suppressor for contactor coil circuit.
- ◆ For use with K3-10 through K3-74 contactor series.

114033

SUPPRESSOR BJ RC-K3 110



- ◆ Replacement coil for B & J K3-10

114035

COIL BJ K3-6 / 4.110

Solenoids Valves

33



- ◆ Used in Swing Arm and End gun valve boxes.
- ◆ 150 PSI rating.
- ◆ Brass body.

113170-1

SKINNER SOLENOID
VALVE WITH COIL



- ◆ Used in Swing Arm Valve boxes - (1 required).
- ◆ Skinner brand valve.

113162

SKINNER SOLENOID VALVE



- ◆ Used for the ASCO solenoid valve.

113169

ASCO SOLENOID
VALVE UNPOTTED COIL



- ◆ Used in the Swing Arm valve box
(6 to 14 required)
- ◆ Control Line Booster Pumps (1 required).

113168

ASCO SOLENOID VALVE



- ◆ Potted coil for C3 & C4 Skinner valves.

118456

SKINNER SOLENOID
VALVE POTTED COIL



- ◆ Repair parts for 113168 ASCO valve.
- ◆ Stainless steel for long life.

118451 - PIN

PIN-ASCO VALVE STAINLESS
STEEL-PIN



- ◆ Repair parts for 113168 ASCO valve.
- ◆ Stainless steel for long life.

118451-SS

ASCO VALVE REPAIR KIT - CAP



- ◆ Repair parts for 113168 ASCO valve.
- ◆ Combination of pin & cap assembly.
- ◆ Original style part.

118451

ASCO VALVE REPAIR KIT



- ◆ Used with 800P control valve.
- ◆ 3-way multi-purpose valve.
- ◆ 150 psi pressure rating.

145655

ELEC SOLENOID
VALVE WITH STRAINER

TO ORDER CALL YOUR LOCAL REINKE DEALER

Collector Reels



Reinke

- 142726 COLLECTOR - REEL - 8 RING
- 142727 COLLECTOR - REEL - ALL 10 RING
- 142728 COLLECTOR - REEL - 14 RING
- 142898 COLLECTOR - REEL - DOUBLE-8 RINGS EACH
- 143442 COLLECTOR - REEL - 11 RING

Collector reel with resolver

- 143453 COLLECTOR - REEL RAMS - 14 RING
- 143461 COLLECTOR - REEL RAMS - 10 RING

Competitive

- C12731VZ COLLECTOR - REEL - 11 CONDUCTOR

Lights



Strobe Lights - Screw in style that work in most light assemblies

- 112753 STROBE - SCREW IN SOCKET
- 112753-A-1 STROBE - SCREW IN SOCKET - AMBER
- 112753-B-1 STROBE - SCREW IN SOCKET - BLUE
- 112753-G-1 STROBE - SCREW IN SOCKET - GREEN
- 112753-R-1 STROBE - SCREW IN SOCKET - RED

Assemblies

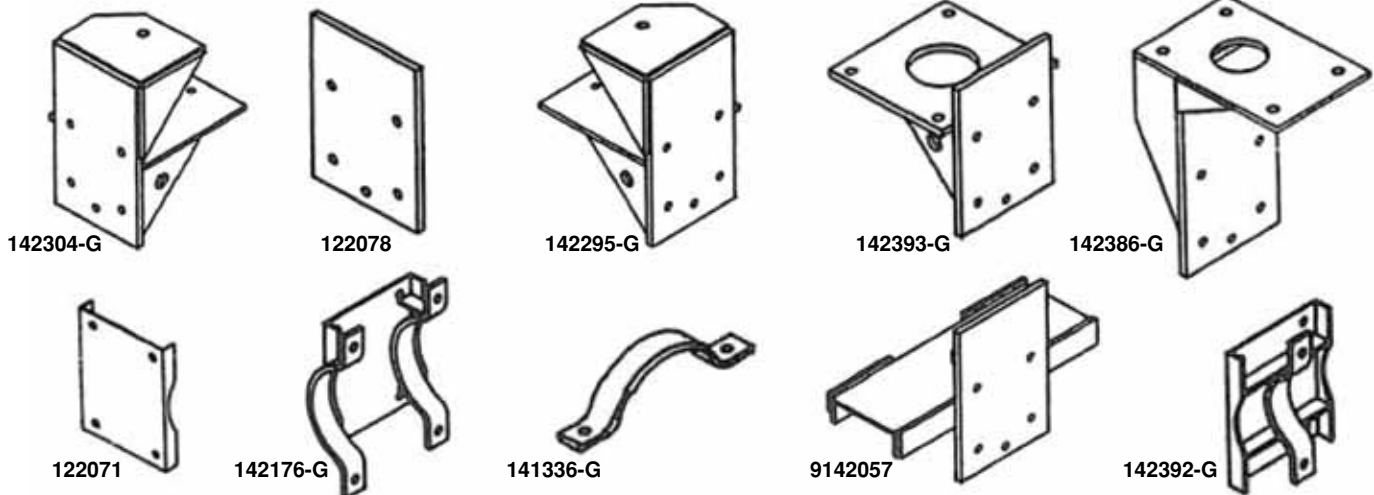
- 142734 LIGHT - PIVOT ELECTRO / ALUMI
- 142734-E LIGHT - END ELECT / ALUMI
- 142735 LIGHT - STROBE PIVOT ELECTRO
- 142735-E LIGHT - STROBE END TOWER ELECT
- 143139 LIGHT - STROBE PIVOT KT & MAXI

Assemblies - continued

- 143274 LIGHT - STROBE END TOWER SAC
- 143130 LIGHT - PIVOT KT & MAXI
- 143295 LIGHT - END TOWER SAC
- 143139 LIGHT - STROBE PIVOT KT & MAXI

Repair Parts

- 112722 LIGHT - ENCLOSURE ASSEMBLY
- 112738 LIGHT BULB 50 W ROUGH SERVICE
- 112748 LENS - LIGHT STROBE - CLEAR
- 112748-B LENS - STROBE LIGHT - BLUE
- 112752-1 STROBE - REPLACEMENT BULB
- 111097 PIPE - PIVOT LIGHT - GALV
- 144509-G LIGHT BRACKET - GALV



Driveshaft Conversions

- 162021 U-JOINT / 68 1/2" DRIVE SHAFT KIT-E
- 162025 U-JOINT / 80 5/8" DRIVE SHAFT KIT-A4
- 162027 U-JOINT / 60 1/4" DRIVE SHAFT KIT A1-13'TB
- 162029 U-JOINT / 72 1/4" DRIVE SHAFT-ALUM 1-15' TB
- 162041 H / T COUPLER-59 3/4" DRIVE SHAFT KIT
- 162042 H / T COUPLER DR SFT RETRO / TWR-TOW-E
- 162045 H / T COUPLER-78 5/8" DRIVE SHAFT KIT A4
- 162046 H / T COUP / DR SFT RETR / TWR-TOW-E

Gear Mount / Tower Base Conversions

REINKE

- 162211 GEAR MOUNTS-NON TOW-ALUM I, II, OR III
- 162213 GEAR MOUNTS-TOW-ALUM I, II OR III
- 162342 GEAR MOUNTS-E1-US HD-NON TOW
- 162344 GEAR MOUNTS-E2-US HD-NON TOW
- 162345 GEAR MOUNTS-M1-US ND-NON TOW
- 162346 GEAR MOUNTS-M1-US ND TOW
- 162347 GEAR MOUNTS-M2 & M3-US ND-NON TOW
- 162348 GEAR MOUNTS-M2 & M3-US ND TOW
- 162352 GEAR MOUNTS-E1-US HD-TOW-BOLT ON
- 162353 GEAR MOUNTS-E1-US HD-NON TOW-BOLT ON
- 162354 GEAR MOUNTS-E2-US HD-TW-BOLT ON
- 162355 GEAR MOUNTS-E2-US HD-NON TOE-BOLT ON
- 162362 GEAR MOUNTS-ELECT 1-DONUT-NON TOW
- 162363 GEAR MOUNTS-ELECT 1-DONUT-TOW

UNIVERSAL

- 162404 RETRO TOWER BASE TOW ADAPTER KIT

Long System Alignment Retro

- 163534 FLANGE BRACKET ASSY 6" LSA
- 163535 FLANGE BRACKET ASSY 6-5/8" LSA
- 163536 FLANGE BRACKET ASSY 8" LSA
- 163542 RETRO-LONG SYSTEM ALIGN 6" SPAN
- 163543 RETRO-LONG SYSTEM ALIGN 6-5/8" SPAN
- 163544 RETRO-LONG SYSTEM ALIGN 8" SPAN
- 163545 RETRO-LONG SYSTEM ALIGN 10" SPAN
- 163547 RETRO-LONG SYSTEM ALIGN 8-5/8" SPAN
- 166580 RETRO KIT-INV TRUS STAB-105EB

Wheel Gears

- 162405 REINKE NON TOW-GEARS-2 GEARS PER TOWER
- 162406 REINKE TOWABLE GEARS-2 PER TOWER
- 162407 REINKE GEARS-PALLET OF 14 GEARS-112118

UNIVERSAL

- 166143 RETRO-GUARD-STD MTR LD-CATTLE
- 166241 RETRO-GUARD-LP MTR LD-CATTLE
- 164360 RETRO-GUARD-SG MTR LD-CATTLE
- 163547 RETRO KIT-CONTROL ARM MOUNT

GLOSSARY

E1 = Electrogator I

E2 = Electrogator II (Old Style)

M1 = Minigator I

M2 = Minigator II

M3 = Minigator III

ALUM / A = ALUMINUM

ND = Normal Duty

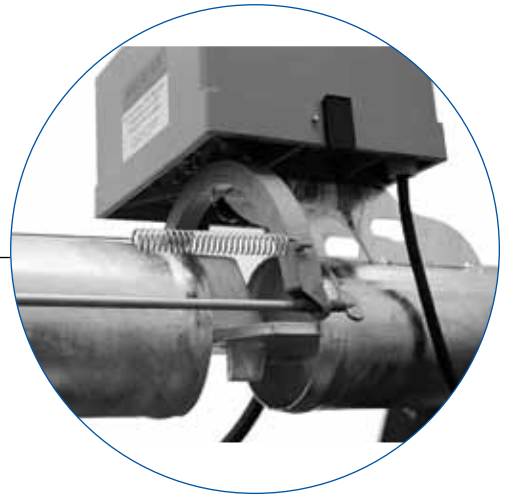
HD = Heavy Duty

H / T = High Torque

US = US Motors

TO ORDER CALL YOUR LOCAL REINKE DEALER

- Designed to work on all brands and models of equipment.
- A complete bolt on kit available for most applications.
- Lateral alignment on both sides of the pipeline helps keep systems straighter especially in fields with undulating terrain.
- Double walled tower box for added strength and elimination of condensation inside the box.
- Heavy duty components to insure years of trouble free service.
- Interlock to insure safety. Tower box can not be opened without shutting off the power.



Most common tower box conversions used

163448	RETRO KIT-TOWER BOX-A-STANDARD O/L
163448-H	RETRO KIT-TOWER BOX-A-HEAVY DUTY O/L
163448-U	RETRO KIT-TOWER BOX A-US MOTOR
163450	RETRO KIT-TOWER BOX-C-STANDARD O/L
163450-H	RETRO KIT-TOWER BOX-C-HEAVY DUTY O/L
163450-U	RETRO KIT-TOWER BOX C-US MOTOR
163451	RETRO KIT-TOWER BOX-B-STANDARD O/L
163451-H	RETRO KIT-TOWER BOX-B-HEAVY DUTY O/L
163451-U	RETRO KIT-TOWER BOX B-US MOTOR

UL listed tower box

163348	RETRO-A BOX-STD-UL/C UL
163348-H	RETRO-A BOX-H D-UL/C UL
163348-U	RETRO-A BOX-NO OL-UL/C UL
163350	RETRO-C BOX-STD-UL/C UL
163350-H	RETRO-C BOX-H D-UL/C UL
163350-U	RETRO-C BOX-NO OL-UL/C UL
163351	RETRO-B BOX-STD-UL/C UL
163351-H	RETRO-B BOX-H D-UL/C UL
163351-U	RETRO-B BOX-NO OL-UL/C UL

Alumigator-Kits for aluminum systems

163381	RETRO-A BOX-A 1-STD-UL/C UL
163381-H	RETRO-A BOX-A 1-H D-UL/C UL
163382	RETRO-B BOX-A 1-STD-UL/C UL
163382-H	RETRO-B BOX-A 1-H D-UL/C UL
163384	RETRO-C BOX-A 1-STD-UL/C UL
163384-H	RETRO-C BOX-A 1-H D-UL/C UL
163385	RETRO-A BOX-A2&3-STD-UL/C UL
163386	RETRO-B BOX-A2&3-STD-UL/C UL
163481	RETRO KIT-TOWER BOX-A-STD-A1
163481-H	RETRO KIT-TOWER BOX-A-HD OL-ALUM
163482	RETRO KIT-TOWER BOX-B-STD-A1
163482-H	RETRO KIT-TOWER BOX-B-HD OL-ALUM
163484	RETRO KIT-TOWER BOX-C-STD-A1
163484-H	RETRO KIT-TOWER BOX-C-HD OL-ALUM
163485	RETRO KIT-TOWER BOX-A-STD-A2 & 3
163486	RETRO KIT-TOWER BOX-B-STD-A2 & 3

TOWER BOXES

Standard - Equipped with standard overload

-Used for 7HP motors or less - 1 HP or less

H = Equipped with heavy duty overload

-Used for 1.5 HP motors

U = For systems equipped with thermally protected motors.

Lateral move system tower boxes

163361	RETRO-A BOX-MAXI-STD-UL/C UL
163361-H	RETRO-A BOX-MAXI-H D-UL/C UL
163362	RETRO-TOWER BOX G-MAXI-STD-CSA
163362-H	RETRO-TOWER BOX G-MAXI-HD-CSA
163363	RETRO-C BOX-MAXI-STD-UL/C UL
163363-H	RETRO-C BOX-MAXI-H D-UL/C UL
163461	RETRO KIT-TOWER BOX A-MAXI-STD
163461-H	RETRO KIT-TOWER BOX A-MAXI-HD OL
163462	RETRO KIT-TOWER BOX G-MAXI-STD
163462-H	RETRO KIT-TOWER BOX G-MAXI-HD OL
163463	RETRO KIT-TOWER BOX C-MAXI-STD
163463-H	RETRO KIT-TOWER BOX C-MAXI-HD OL

Minigator-Kits for 4 1/2" systems

163371	RETRO-A BOX-MINI-STD-UL/C UL
163371-H	RETRO-A BOX-MINI-H D-UL/C UL
163372	RETRO-B BOX-MINI-STD-UL/C UL
163372-H	RETRO-B BOX-MINI-H D-UL/C UL
163374	RETRO-C BOX-MINI-STD-UL/C UL
163374-H	RETRO-C BOX-MINI-H D-UL/C UL
163471	RETRO KIT-TOWER BOX-A-STD-MINI
163471-H	RETRO KIT-TOWER BOX-A-HD OL-MINI
163471-U	RETRO KIT-TOWER BOX-A-N/O-MINI
163472	RETRO KIT-TOWER BOX-B-STD-MINI
163472-H	RETRO KIT-TOWER BOX-B-HD OL-MINI
163474	RETRO KIT-TOWER BOX-C-STD-MINI
163474-H	RETRO KIT-TOWER BOX-C-HD OL-MINI

Wide Yoke-For Large Pipe

163447	RETRO-TOWER BOX A-WIDE YOKE-STD
163447-H	RETRO-TOWER BOX A-WIDE YOKE-HD-OL
163447-U	RETRO-TOWER BOX A-WIDE YOKE-US MTR
163452	RETRO-TOWER BOX B-WIDE YOKE-STD
163452-H	RETRO-TOWER BOX B-WIDE YOKE-HD-OL
163452-U	RETRO-TOWER BOX B-WIDE YOKE-US MTR

UL listed Wide Yoke - For large diameter pipe systems

163347	RETRO-A BOX-WIDE YOKE-STD-UL/CUL
163347-H	RETRO-A BOX-WIDE YOKE-HD-UL/C UL
163347-U	RETRO-A BOX-WIDE YOKE NO OL ULCUL
163352	RETRO-B BOX-WIDE YOKE-STD-UL/CUL
163352-H	RETRO-B BOX-WIDE YOKE-H D-UL/CUL

VALLEY

GEAR MOUNT CONVERSIONS

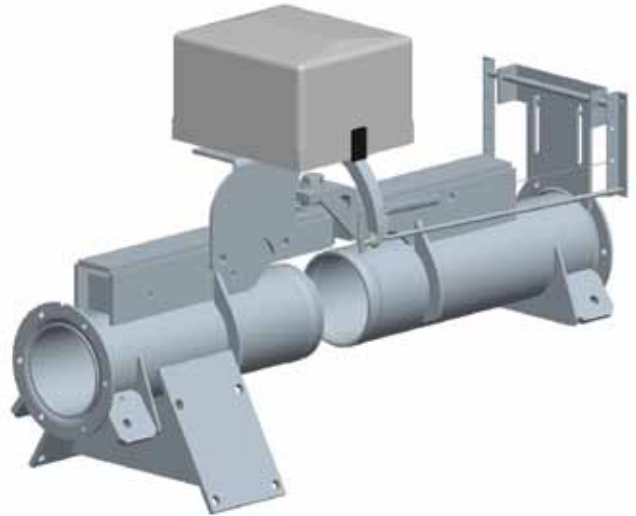
- 162350 GEAR MOUNTS-VALLEY-NON TOW
- 162361 GEAR MOUNTS-VALLEY-NON TOW-BOLT ON
- 162367 GEAR MOUNTS-VALLEY CHAIN DRIVE-NON TOW
- 162374 GEAR MOUNTS-VALLEY CHAIN DRIVE-TOW
- 162375 GEAR MOUNTS-VALLEY CHAIN DRIVE-NON TOW

TOWER BOX RETRO VALLEY

- 163464-U RETRO KIT TWR BOX A-VAL
- 163465-U RETRO KIT - TWR BOX B-VAL
- 163450-U - RETRO KIT-TWR BOX C-US MOTOR

JOINT CONVERSION VALLEY

- 166538 - RETRO-LAST SPAN-VAL HOOK
- 166540 - RETRO-SPAN JOINT-VAL
- 161530 - RETRO KIT-CONTROL ARM MOUNT



ZIMMATIC

GEAR MOUNT CONVERSIONS

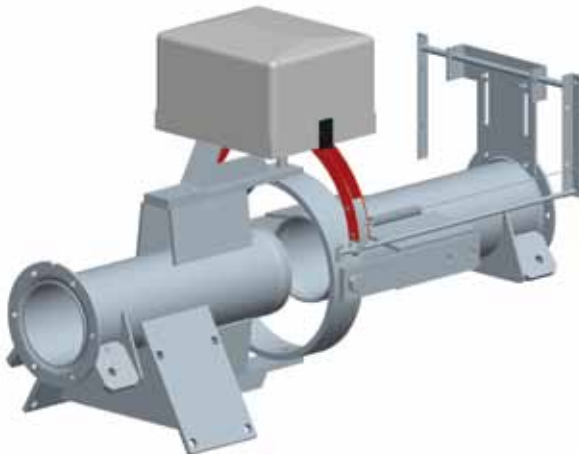
- 162356 GEAR MOUNTS-ZIMMATIC-NON TOW-BOLT ON
- 162052 KIT-ZIMMATIC HYDRAULIC TO WORM DRIVE

TOWER BOX RETRO ZIMMATIC

- 163466-U - RETRO KIT-TWR BOX A ZIM
- 163467-U - RETRO KIT-TWR BOX B ZIM
- 161530 - RETRO KIT-CONTROL ARM MOUNT
- 163450-U - RETRO KIT-TWR BOX C-US MOTOR

JOINT CONVERSION ZIMMATIC

- 166539 - RETRO-LAST SPAN-ZIM HOOK
- 166541 - RETRO-SPAN JOINT-ZIM



T&L

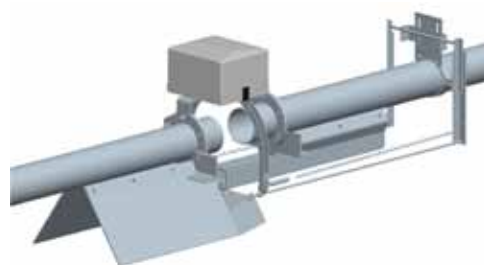
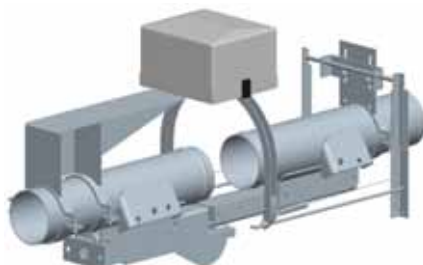
163450-U - RETRO KIT-TWR BOX C-US MOTOR

162049-U KIT-TOWER ALIGNMENT-T&L/REINKE-A BOX-Used from February 1992 to Present

162050-U KIT-TOWER ALIGNMENT-T&L/REINKE-B BOX-Used from February 1992 to Present

162053-U KIT-TOWER ALIGNMENT-T&L-A BOX-TOP HAT-Used from January 1973 to January 1992

162053-U KIT-TOWER ALIGNMENT-T&L-B BOX-TOP HAT-Used from January 1973 to January 1992



TO ORDER CALL YOUR LOCAL REINKE DEALER

LOCKWOOD

162349 GEAR MOUNT-LOCKWOOD-TOW
162364 GEAR MOUNT-LOCKWOOD-OFF CNTR-NON TOW

Lockwood bolt on box mount

143549-6 RETRO TOWER BOX MOUNT - LOCKWOOD

Control arm Mount-adjustable bolt on mount

161530 RETRO KIT-CONTROL ARM MOUNT

GIFFORD HILL

162351 GEAR MOUNT-G HILL-US HD-TOW
162360 GEAR MOUNT-G HILL-US HD-TOW-BOLT ON
162365 GEAR MOUNT-GIFFORD HILL-US HD-NON TOW
162366 GEAR MOUNT-G HILL-US HD-NON TOW-BLT
162376 GEAR MOUNT-G HILL-US ND-NON TOW-BLT

Most common tower box conversions used

163448 RETRO KIT-TOWER BOX-A-STANDARD O/L
163448-H RETRO KIT-TOWER BOX-A-HEAVY DUTY O/L
163448-U RETRO KIT-TOWER BOX A-US MOTOR
163450 RETRO KIT-TOWER BOX-C-STANDARD O/L

163450-H RETRO KIT-TOWER BOX-C-HEAVY DUTY O/L
163450-U RETRO KIT-TOWER BOX C-US MOTOR
163451 RETRO KIT-TOWER BOX-B-STANDARD O/L
163451-H RETRO KIT-TOWER BOX-B-HEAVY DUTY O/L
163451-U RETRO KIT-TOWER BOX B-US MOTOR

OLSON

162368 GEAR MOUNTS-OLSON-US ND-4.5-NON TOW
162369 GEAR MOUNTS-OLSON-US ND-4.5-TOW
162370 GEAR MOUNTS-OLSON-US HD-4.5-NON TOW
162371 GEAR MOUNTS-OLSON-US HD-4.5-TOW

Wide Yoke- For large diameter pipe

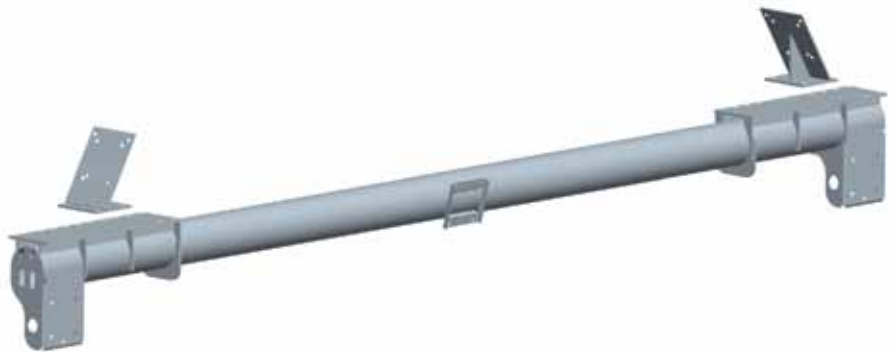
163447 RETRO-TOWER BOX A-WIDE YOKE-STD
163447-H RETRO-TOWER BOX A-WIDE YOKE-HD-OL
163447-U RETRO-TOWER BOX A-WIDE YOKE-US MTR
163452 RETRO-TOWER BOX B-WIDE YOKE-STD
163452-H RETRO-TOWER BOX B-WIDE YOKE-HD-OL
163452-U RETRO-TOWER BOX B-WIDE YOKE-US MTR

Control Arm Mount-

161530 RETRO KIT-CONTROL ARM MOUNT

UNIVERSAL TOWER BASE RETRO

166137 RETRO-TWR BASE-T&L
162047 RETRO-HI TORQ CPL/DRVSFT-T&L
162048 RETRO-DRVSHFT HT CPLR-T&L BASE
162475 RETRO-TWR DRV-T&L TO REINKE



166139 - RETRO TWR BASE UNIVERSAL FOR MOST COMPETITIVE BRAND EQUIPMENT

Retro Kits

39

3 WHEEL DRIVE FLEX BASE CONVERSION

164355 - RETRO KIT-3 WHL FLX TWR-E60

164356 - RETRO KIT-3 WHL FLX TWR-EII

3 WHEEL RIGID BASE

146035-G - TWR BASE-3 WHL DRIVE E60



BARRICADE RETRO KITS

162621 - TOWER AS/AR BARRICADE PKG 1 ASY (PORTABLE)

162627 - RET-BARRICADE-OVR HD TWR A/S (STATIONARY)

162646 - TRAILING TIRE PLATE ASSY EACH

AUTO STOP/REVERSE RETRO KITS

162601 - RETRO KIT-TWR AUTO REV-REQ 11C

162622 - TOWER AUTO REVERSE UPDATE KIT

162623 - TOWER A/REV UPDATE KIT - RAMS

162628 - RETRO KIT-TWR A/S-LOW PRO

162629 - RETRO KIT-OVR HD TWR A/S-STD

162630 - RETRO KIT-OVR HD TWR A/S 203.5

162631 - RETRO KIT-OVR HD TWR A/S SUGAR

162632 - RET-KIT-OVR HD TWR A/R-LP-RAMS

162633 - RET-KIT-OVR HD TWR A/R STD-RAMS

162634 - RET-KIT-OVR HD TWR A/R 203.5'-RAMS

162635 - RET-KIT-OVR HD TWR A/R RAMS - SUG



SPAN EXTENSIONS

164500-G - SPAN KIT-3 FT EXTENSION-E65-G

164501-G - SPAN KIT-4 FT EXTENSION-E60-GA

164502-G - SPAN KIT-4 FT EXTENSION-E660-G

164503-G - SPAN KIT-4 FT EXTENSION-E65-GA

164504-G - SPAN KIT-4 FT EXTENSION-E665-G

164505-G - SPAN KIT-4 FT EXTENSION-A60-G

TO ORDER CALL YOUR LOCAL REINKE DEALER

PIVOT POINT CONVERSIONS

160501	RETRO MCP MNT-N/RSL VR-J
160502	RETRO MCP MNT-N/RSL VR-STRT
160503	RETRO MCP MNT-RSLVR-J
160504	RETRO MCP MNT - RSLVR-STRT
163133	RETRO-SW MT - CAM PLT STYLE - 6-5/8"
163134	RETRO-SW MT - CAM PLT STYLE - 8-5/8"
163135	RETRO-SW-MT-CAM PLT STYLE - 10"
164316-G	RETRO-ADTR TIE DN PVT CTR EII
164319-G	RETRO-ADPTER COMP PVT PAD EII
164320-G	RETRO ADTR CH TIE DN PT CTR EII
164321	RETRO WALKWAY PVT CTR EII
164515	PIVOT EXTENSION ASSEMBLY - E665
164515-G	PIVOT EXTENSION ASSEMBLY - E65
164516	PIVOT EXTENSION ASSEMBLY - E680
164517	PIVOT EXTENSION ASSEMBLY - E6580
164518-G	PIVOT EXTENSION ASSEMBLY - E88
16 4519	PIVOT EXTENSION ASSEMBLY E800
160900	RETRO KIT RPM ADV GPS EOS REA
160901	RETRO KIT RPM ADV GPS EOS GEN
160943	RPM ADV PRSS START KIT
163387	TEMP SENSOR R.A.M.S. RETRO
163391	PAC II END GUN RETRO ADDON KIT
163392	PAC II FROST KILL RETRO KIT
163413	WIND/RAIN GAUGE OPT RAMS RETRO

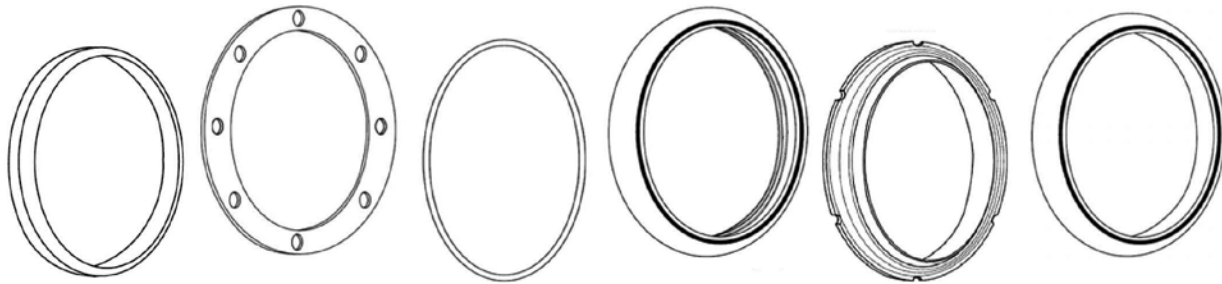


SAC OPTION RETRO KITS

162615	RETRO-CNTL LINE BST PUMP E/ESP	165415	SAC GPS BASE RETRO KIT
162616	RETRO-CONTROLL LINE BOOST PUMP	167000	SAC GPS RETRO STAND
162901	RETRO SAC AIR COMPRESS W/O ESP	167001	SAC GPS RETRO PLC
162902	RETRO SAC AIR COMPRESS W/ESP	168860	RETRO KIT - GR MNT-219/1139-SAC
163438	RETRO RADIO BASE MODEM/ANT-RAM	168861	KIT-SAC GEAR CONVERT - 2.5 SHAFT
163441	RADIO MODEM REPEATER RETRO	168865	SAC TWR E60 TO EII RETRO STD
163445	RETRO PVT RADIO MODEM/ANT RAMS	168866	SAC TWR E60 TO EII RETRO PLC
163445	EU RTRO WTHR TIGHT PVT MDM/ANT OPT		

Gaskets & Seals

41



V-Ring Seals

- 111676 SEAL-V RING 4-1/2" ID
- 111696 SEAL-V RING 6" ID
- 111694 SEAL-V RING 6" ID SPECIAL
- 111697 SEAL-V RING 6-5/8" ID
- 111695 SEAL-V RING 6-5/8" ID SPECIAL
- 111699 SEAL V-RING 8"
- 111700 SEAL V-RING 8-5/8" ID
- 111693 SEAL-V RING 8-5/8" ID SPECIAL
- 111698 SEAL-V RING 10"

O-Ring Seals

- 111708 O-RING 4-5/8 ID M
- 111707 O-RING 6-3/4 ID EA
- 113686 O-RING 8" ID

T Style Gaskets

- 111702 GASKET-FLANGE 6" T-GASKET
- 145329 GASKET-FLANGE 6 5/8 L MAXI
- 111705 GASKET-FLANGE 6-5/8 T-GASKET

- 111137 GASKET-6" ROUND BACK MIDWEST
- 111138 GASKET-8" ROUND BACK MIDWEST
- 111139 GASKET-10" ROUND BACK MIDWEST
- 111176 GASKET-8" PIVOT TRIPLE LIP
- 111183 GASKET-8" PIVOT ROUND BACK
- 111190 GASKET-10" COUPLER P TYPE
- 111191 GASKET-5" FEMALE COUPLER
- 111197 GASKET-6" PIVOT TRIPLE LIP
- 111198 GASKET-1" COLLECTOR REEL GASKET
- 111199 GASKET-1" TELSCO BOTTOM
- 111206 GASKET-STAINLESS STEEL J-PIPE
- 111691 GASKET-6" FLAT BACK MIDWEST
- 112144 GASKET-4" FEMALE COUPLER
- 112754 GASKET-3-3/4 OD X 3 1/4 ID X 3/16
- 113198 GASKET-FLANGE-8"
- 113785 GASKET-4" ID 8 HOLE BIG GUN
- 114476 GASKET-3 ID X 6 OD X1/16 4 HOLE
- 114477 GASKET-3 ID X 7 OD X1/16 4 HOLE

Water Hose & Clamps



Drag Hose

- 45054 HOSE-IRRIGATION DRAG 4"
- 45055 HOSE-IRRIGATION DRAG 5"
- 45017 HOSE-IRRIGATION DRAG 6"
- 45011 HOSE-IRRIGATION DRAG 8"

Span Boots

- 111710 HOSE-WATER MINI 4-1/2" ID X 12"
- 111709 HOSE-WATER 6-5/8" ID X 12"
- 113687 HOSE-WATER 8" ID X 12"
- 113987 HOSE-WATER 8-5/8" X 12"
- 113988 HOSE-WATER 8-5/8" X 14"
- 113690 HOSE-WATER 10" ID X 12"

Competitive

- C11710A WATER HOSE-6" X 16"
- C11709A WATER HOSE-6 5/8" X 16"

Clamps

- 113549 CLAMP-T-BOLT-4 1/2" HOSE
- 113551 CLAMP-T-BOLT-6" HOSE
- 113550 CLAMP-T-BOLT-6-5/8" HOSE
- 113514 CLAMP-T-BOLT-8" HOSE
- 113950 CLAMP-T-BOLT-8 5/8" HOSE
- 113553 CLAMP-T-BOLT-10" HOSE
- C13550V BANDS-WRAP LOCK STRAP CLAMPS

TO ORDER CALL YOUR LOCAL REINKE DEALER

Part #	Tire and Wheel Combinations
112220	WHEEL-TIRE 11X22.5 RECAP-RH
112220-G	WHEEL-TIRE-11X22.5 RECAP RH GALV
112220T	WHEEL-TIRE-11X22.5 RECAP RH
112220TG	WHEEL-TIRE-11X22.5 RECAP-RH
112224	WHEEL-TIRE-11X22.5 RECAP-LH
112224-G	WHEEL-TIRE-11X22.5-GALV
112224T	WHEEL-TIRE-TUBE-11X22.5-RECAP LH
112224TG	WHEEL-TIRE-TUBE-11X22.5-RECAP LH
142219	WHEEL-TIRE-13.6 X 38 RH
142219-G	WHEEL-TIRE-13.6 X 38 GALV RH
142219T	WHEEL-TIRE-TUBE 13.6X38 RH
142219TG	WHEEL-TIRE-TUBE 13.6X38 RH-GALV
142220	WHEEL-TIRE-11.2X38 RH
142220-G	WHEEL-TIRE-11.2X38 RH GALV
142220T	WHEEL-TIRE-TUBE 11.2X38 RH
142220TG	WHEEL-TIRE-TUBE 11.2X38 RH GALV
142220VG	WHEEL-TIRE-11.2X38-RH GALV VAL
142220VTG	WHEEL-TIRE-11.2X38-RH G VAL
142221	WHEEL-TIRE-13.6X38-LH
142221-G	WHEEL-TIRE-13.6X38 GALV-LH
142221T	WHEEL-TIRE-TUBE 13.6X38 LH
142221TG	WHEEL-TIRE-TUBE 13.6X38 LH GALV
142222	WHEEL-TIRE-14.9X24 RH
142222-G	WHEEL-TIRE-14.9X24 RH GALV
142222T	WHEEL-TIRE-TUBE 14.9X24 RH
142222TG	WHEEL-TIRE-TUBE 14.9X24 RH GALV
142223	WHEEL-TIRE-16.9X24 RH
142223-G	WHEEL-TIRE-16.9X24 RH GALV
142223T	WHEEL-TIRE-TUBE 16.9X24 RH
142223TG	WHEEL-TIRE-TUBE 16.9X24 RH GALV
142224	WHEEL-TIRE-14.9X24 TURF TT
142224-G	WHEEL-TIRE-14.9X24 TURF TT GALV
142224T	WHEEL-TIRE-TUBE 14.9X24 TURF
142224TG	WHEEL-TIRE-TUBE 14.9X24-TURF-GAL
142225	WHEEL-TIRE-11.2X38 LH
142225-G	WHEEL-TIRE-11.2X38 LH GALV
142225T	WHEEL-TIRE-TUBE 11.2X38 LH
142225TG	WHEEL-TIRE-TUBE 11.2X38 LH GALV
142225VG	WHEEL-TIRE-11.2X38-LH GALV VAL
142225VTG	WHEEL-TIRE-11.2X38-LH G VAL
142229	WHEEL-TIRE-11.2X24 RH
142229-G	WHEEL-TIRE-11.2X24 RH GALV
142229T	WHEEL-TIRE-TUBE 11.2X24 RH
142229TG	WHEEL-TIRE-TUBE 11.2X24 RH GALV
142230	WHEEL-TIRE-11.2X24 LH
142230-G	WHEEL-TIRE-11.2X24 LH GALV
142230T	WHEEL-TIRE-TUBE 11.2X24 LH
142230TG	WHEEL-TIRE-TUBE 11.2X24 LH GALV
142231	WHEEL-TIRE-14.9X24 LH
142231-G	WHEEL-TIRE-14.9X24 LH GALV
142231T	WHEEL-TIRE-TUBE 14.9X24 LH
142231TG	WHEEL-TIRE-TUBE 14.9X24 LH GALV
142233	WHEEL-TIRE-9.5X16
142234	WHEEL-TIRE-18.4X26

Part #	Tire and Wheel Combinations
142236	WHEEL-TIRE-16.9X24 LH
142236-G	WHEEL-TIRE-16.9X24 LH GALV
142236T	WHEEL-TIRE-TUBE 16.9X24 LH
142236TG	WHEEL-TIRE-TUBE 16.9X24 LH GALV
142240	WHEEL-TIRE-16.9X24 TURF
142240-G	WHEEL-TIRE-16.9X24 TURF GALV
142240T	WHEEL-TIRE-TUBE 16.9X24 TURF
142240TG	WHEEL-TIRE-TUBE 16.9X24 TURF GAL
Part #	Tire Only
112198	TIRE-11.2X24 IRRIGATION TUBELESS
112199	TIRE-11.2X24 TUBE TYPE
112201	TIRE-14.9X24 IRRIGATION TUBELESS
112237	TIRE-13.6 X 38 TUBE TYPE
112238L	TIRE-RECAP 11.00 X 22.5-TIRE ONLY
112238T	TIRE-RECAP 11.00 X 22.5-TIRE W/TUBE
112240	TIRE-RECAP 11.00 X 24.5
112245	TIRE-16.9 X 24 IRRIGATION
112246	TIRE-16.9 X 24 TURF TREAD



112248	TIRE-11.2 X 38 4 PLY R1
112249	TIRE-14.9 X24 TURF TREAD
Part #	Wheel Only
112239	WHEEL-8.25 X 22.5 - PAINTED
112239-G	WHEEL-8.25 X 22.5 - GALVANIZED
112195	WHEEL-W10 X 24 - PAINTED
142195-G	WHEEL-W10 X 24 - GALVANIZED
112244	WHEEL-W 15 X 24 - PAINTED
142196-G	WHEEL- W 15 X 24 - GALVANIZED
112247	WHEEL-W10 X 38 - PAINTED
142197-G	WHEEL-W10 X 38 - GALVANIZED
Part #	Tubes
112205	TUBE-11.2X24
112206	TUBE-14.9X24
112207	TUBE-16.9 X 24
112223	TUBE-11.00X22.5
112251	TUBE-13.6 X 38
112252	TUBE-11.2 X 38



Features and Benefits

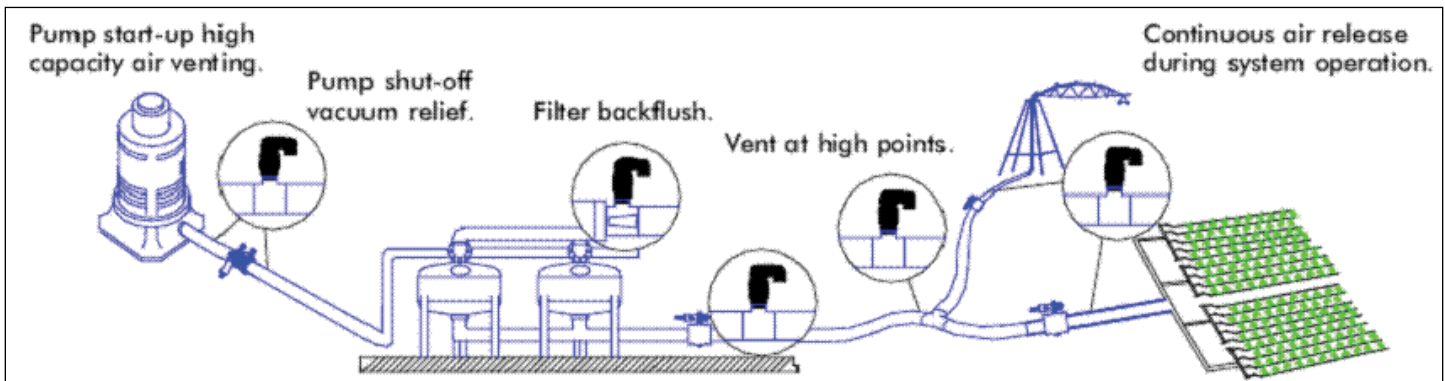
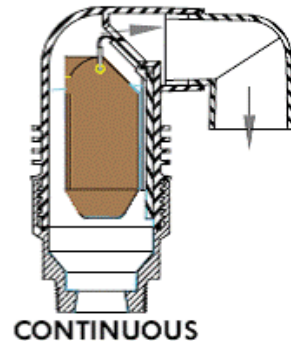
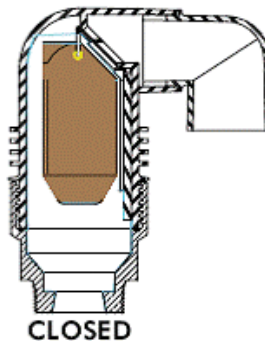
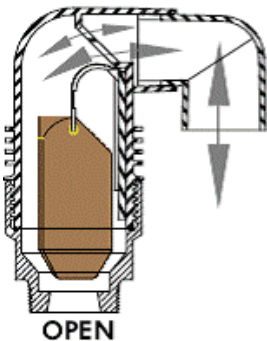
- ◆ Air relief.
- ◆ Vacuum air relief.
- ◆ Continuous air release under pressure.
- ◆ All corrosion resistant material.
- ◆ Self cleaning float guides work in dirty water.
- ◆ High capacity aerodynamic design resists blowing closed.
- ◆ Working pressure to 200 psi.
- ◆ Discharge elbow with internal protective screen.
- ◆ Inlet 2" male NPT.
- ◆ Outlet fits 1 1/2" PVC.

Part Number

113951
113952

Description

VALVE-AIR CONTROL 2" NPT ACV200P (plastic base)
VALVE-AIR CONTROL 2" NPT ACV200B (brass base)



TO ORDER CALL YOUR LOCAL REINKE DEALER



SR100



SRNV100



- ◆ Hand adjustable stops for precise arc control.
- ◆ Patented pressure and flow compensating drive spoon eliminated the need for adjustments.
- ◆ Rotates on twin ball bearings, sealed and lifetime lubricated for long wear life and reliability.
- ◆ Every Big Gun® is subjected to the industries toughest inspection, testing and quality control standards, including individual water testing at the factory.

SR75



SR100 W/800 Valve



Part#	Description
111725	END-GUN F100 24 DEG X 2" FNPT
111728	END-GUN F100 18 DEG X 2" FNPT
113525	END-GUN SR75 18 DEG 2" FNPT
113555	END-GUN SR100 2" FNPT
113576	GUN-VALVE SR100 W/800P
113577	END-GUN SRNV100 HB 2" FNPT
113587	GUN-VALVE SR75 W/800P

End Guns

45



SR150



111720 END-GUN SR150 21 DEG X 3"

SR200



111826 END- GUN SR200 24 DEG NELSON FLNG



SR75 Nozzles

Size	Part Number
.40"	113516
.45"	113517
.50"	113518
.55"	113519
.60"	113520
.65"	113521
.70"	113522
.75"	113523
.80"	113524



SR100 Nozzles

Size	Part Number
.50"	111852
.55"	113588
.60"	111765
.65"	113589
.70"	111766
.75"	113590
.80"	111767
.85"	113591
.90"	111768
1.0"	111771



SR150 Nozzles

Size	Part Number
.70"	113538
.80"	113539
.90"	113540
1.0"	113541
1.1"	113542
1.2"	113543



SR200 Nozzles

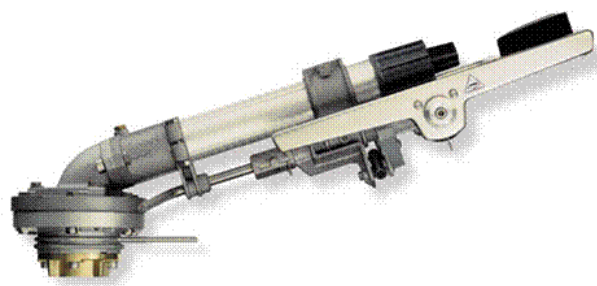
Size	Part Number
1.05"	113578
1.1"	113579
1.2"	113580
1.3"	113581
1.4"	113582
1.5"	113583
1.6"	113584
1.75"	113585
1.9"	113586

TO ORDER CALL YOUR LOCAL REINKE DEALER


komet®

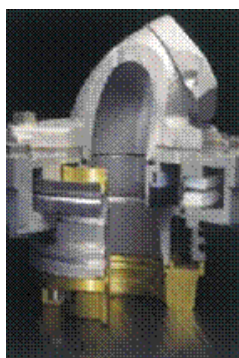
TWIN®

Komet Twin 101



111595 Twin 101 18 deg.

- ◆ Unique, patented self compensating brake system keeps overall performance constant.
- ◆ Patented drive system with excellent stream diffusion allows for smooth steady operation.



Twin 101 Nozzles

Size	Part #	Size	Part #
.47"	111596	.79"	111600
.55"	111597	.87"	111601
.63"	111598	.94"	111602
.71"	111599		

Komet Twin Max



111620 Twin Max 18 deg.

- ◆ Maintenance free due to the elimination of ball bearings in the automatic braking system.
- ◆ Vibration reduced by slow reverse action.



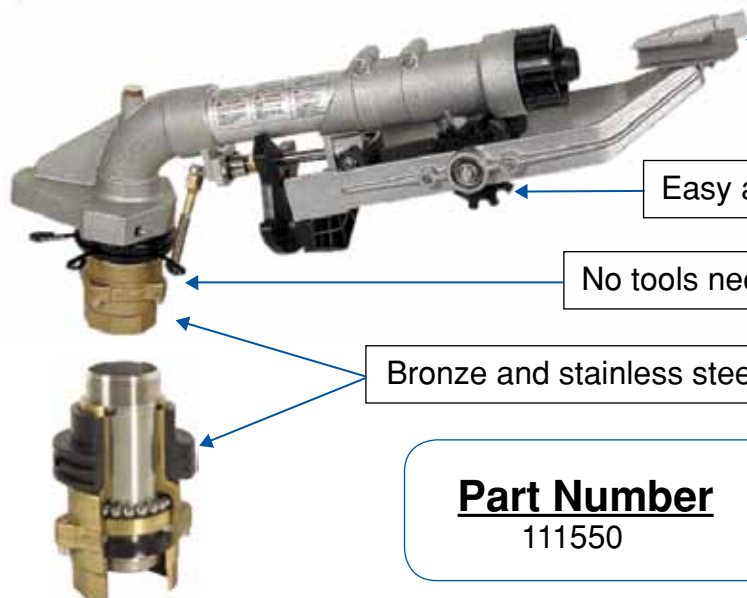
Twin Max Nozzles

Size	Part #	Size	Part #
.39"	111621	.63"	111627
.43"	111622	.67"	111628
.47"	111623	.71"	111629
.51"	111624	.79"	111630
.55"	111625	.87"	111631
.59"	111626	.94"	111632

End Guns

47

Wing



Smooth directional drive spoons to eliminate plugging

Easy adjustment of the Drive Arm Stroke.

No tools needed for adjustment of the stops.

Bronze and stainless steel ball bearing for long life.

Part Number
111550

Description
Sime Wing End Gun 18 deg.

Sime Wing Nozzles

<u>Size</u>	<u>Part Number</u>
.47"	111551-47
.55"	111551-55
.63"	111551-63
.71"	111551-71
.79"	111551-79
.86"	111551-86
.95"	111551-95

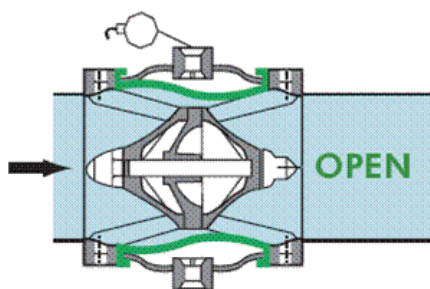
- ◆ Uniform application pattern.
- ◆ 18 degree trajectory.
- ◆ Slow reverse for low vibration and stress.
- ◆ Anti-stall operating pressure of 30 to 100 pounds per square inch.
- ◆ Optimum operating pressure of 45 to 65 pounds per square inch.



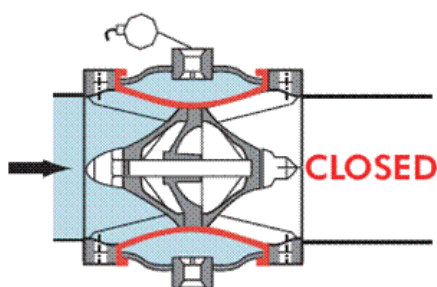
TO ORDER CALL YOUR LOCAL REINKE DEALER



BASIC OPERATION



Water pressure is relieved from the sleeve chamber, allowing the valve to open.



Upstream water is applied to the outer sleeve chamber, the sleeve becomes hydraulically balanced and the flow passage is closed off by the sleeve pressing against the center seat.

- ◆ High flow capacity with low friction loss.
- ◆ Superior pressure control.
- ◆ Lightweight and compact design for installation and repair.
- ◆ Special natural rubber sleeve which is resilient under high pressure, resistant to common irrigation chemicals, and flexible to assure a leak proof shutoff.
- ◆ Highest quality heavy duty materials of corrosion resistant galvanized steel, brass and coated cast iron and a hard chromed pressure regulating spool.
- ◆ Special design that requires minimal water flow to operate, reducing solenoid and regulator plugging.
- ◆ Self flushing inlet screen.
- ◆ Freeze proof external filter.

Part

Description

113655	VALVE 800 CONTROL A2B5C2D13E53H2
113656	VALVE 800 CONTROL A3B5C2D13E53H2
113657	VALVE 800 CONTROL A4B5C2D3E50H2
113658	VALVE 800 CONTROL A6B5C2D3E50H2
113659	VALVE 800 CONTROL A8B5C2D3E50H2

Control Valves

49

To Order: Specify 800 series control valve and select from each letter option and a pressure gauge option. Any item in section D, E, and H can be ordered separately from the valve as a kit. Specify the letter option and the number (e.g. E60 for a 220 VOLT A/C 1/16" Solenoid Kit).

A VALVE SIZE	B VALVE CONNECTION STYLE	C VALVE OPERATING PRESSURE	D CONTROL FUNCTION (PSI in this column indicates range of adjustment.)	E ON/OFF MODE	H FILTER OPTIONS
A2"	B3 THREAD	C1 10-50 PSI	D1 MANUAL ON/OFF (Only)	E1 NO SOLENOID	H1 NONE
	B4 WAFER WITHOUT BOLTS	C2 30-200 PSI	D6 SLEEVE EXHAUST	E23 9/12VDC LATCHING (Use with Solorain Valve Controllers.)	H2 EXTERNAL
	B5 WAFER WITH BOLTS INCLUDED	C3 18-80 PSI	D7 SHUTTLE CHECK VALVE (Must accompany solenoid or sustaining control.)	E43 24VAC (.13 AMP)	H3 INTERNAL
	B6 VICTAULIC		D12 REDUCING 5 - 60 PSI	E44 24VAC LDOS (Long Distance Operating Solenoid)	
A3"	B7 WAFER FOR BIG GUN ANSI — WITH BOLTS		D13 REDUCING 10 - 120 PSI	E53 120VAC	
			D15 SUSTAINING 5 - 60 PSI		
			D16 SUSTAINING 10 - 120 PSI		
			D18 RATE OF FLOW		
Select options for 4-8" sizes from the list below. Sample: A6" B5 C2 D3 E50 H3 This configuration represents a 6" valve with wafer style connection (bolts included), 30 to 200 PSI pressure rating, pressure reducing (10 - 120 PSI) control package with a 120VAC 1/16" solenoid, and an internal filter.					
A4"	B4 WAFER WITHOUT BOLTS	C1 10-50 PSI	D1 MANUAL ON/OFF (Only)	E20 12-24VDC 1/16" LATCHING (.5 AMP MAX)	H1 NONE
	B5 WAFER WITH BOLTS INCLUDED	C2 30-200 PSI	D2 REDUCING 5 - 60 PSI	E21 12VDC 1/16" (.6 AMP MAX)	H2 EXTERNAL
	B7 WAFER FOR BIG GUN ANSI — WITH BOLTS 4" Valve (only)	C3 18-80 PSI	D3 REDUCING 10 - 120 PSI	E24 9/12VDC LATCHING (Use with Solorain Valve Controllers.)	H3 INTERNAL
			D4 REDUCING 25 - 200 PSI	E30 24VDC 1/16" (.3 AMP MAX)	
A6"			D5 SUSTAINING 25 - 200 PSI	E40 24VAC 1/16" (.15 AMP Inrush)	
			D6 SLEEVE EXHAUST	E41 24VAC 1/16" (1.1 AMP Inrush) (Heavy Duty)	
			D7 SHUTTLE CHECK VALVE (Must accompany solenoid or sustaining control.)	E42 24VAC 1/8" (3.6 AMP)	
			D8 SUSTAINING 10 - 120 PSI	E50 120VAC 1/16"	
A8"			D9 SUSTAINING 5 - 60 PSI	E52 120VAC 1/8"	
			D18 RATE OF FLOW (In-valve mount available on 6" and 8".)	E60 220VAC 1/16" CALL FOR INFO.	
				E62 220VAC 1/8"	
				E70 440VAC 1/16"	
				E72 440VAC 1/8"	
				E80 Hydraulic Remote Ctrl.	

TO ORDER CALL YOUR LOCAL REINKE DEALER



Part # 113956

KOMET INTRODUCES ANOTHER NEW PRODUCT INNOVATION

The Komet 850 Series Valve has no mechanically moving parts and is extremely reliable due to the simple innovative design with only 3 major components. It can be operated by an electric solenoid or by the differential pressure from a booster pump. This valve is designed for excellent performance and outstanding reliability.



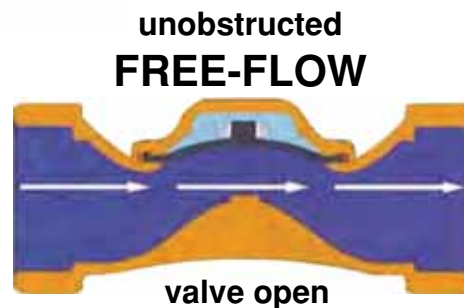
**Komet End-Gun
with 850 series valve**

INNOVATIVE FREE-FLOW VALVE TECHNOLOGY

The new Komet 850 Valve is manufactured with a state of the art elliptic diaphragm. This diaphragm was designed for a quick response that provides a smooth operating range from 7 PSI to 228 PSI and an unobstructed free-flow.



Komet 850 Series Valve
Also available as right angle valve



FEATURES

- Minimal pressure loss
- Designed for unobstructed water flow
- Innovative elliptic shaped diaphragm
- Ductile iron body
- No maintenance
- Bolted face plate
- Automatic air release valve (optional)

BENEFITS

- Allows for high flow capacity
- Clog resistant operation with unmatched hydraulic performance.
- Provides smooth operation from 7 to 228 PSI
- Adds exceptional structural strength to the valve
- Valve requires no periodic maintenance
- Valve can easily be serviced in-line
- Releases trapped air for proper priming of booster pump

THE KOMET ADVANTAGE - Superior Performance through Innovative Technology

REINKE MANUFACTURING COMPANY, INC.



Aquamatic Diaphragm Valves

<u>Part #</u>	<u>Description</u>
113752	VALVE-AQUAMATIC 1" #421 1
113753	VALVE-AQUAMATIC 1-1/4" #424 1
113754	VALVE-AQUAMATIC 4" #428 F
113756	VALVE-AQUAMATIC 3/4" #421
113799	VALVE-2" AQUAMATIC WITH MOUNTING HOLES
118777	KIT-REPAIR 2 AQUAMATIC VALVE
144402	VALVE-ELECT 2"-AQUAMATIC

Booster Pump Kits



Installed Booster Pump Retro Kit E60-NV



Booster Pump Retro Kit 680-PC



Booster Pump Retro Kit E60-NV

2 Horsepower Kits

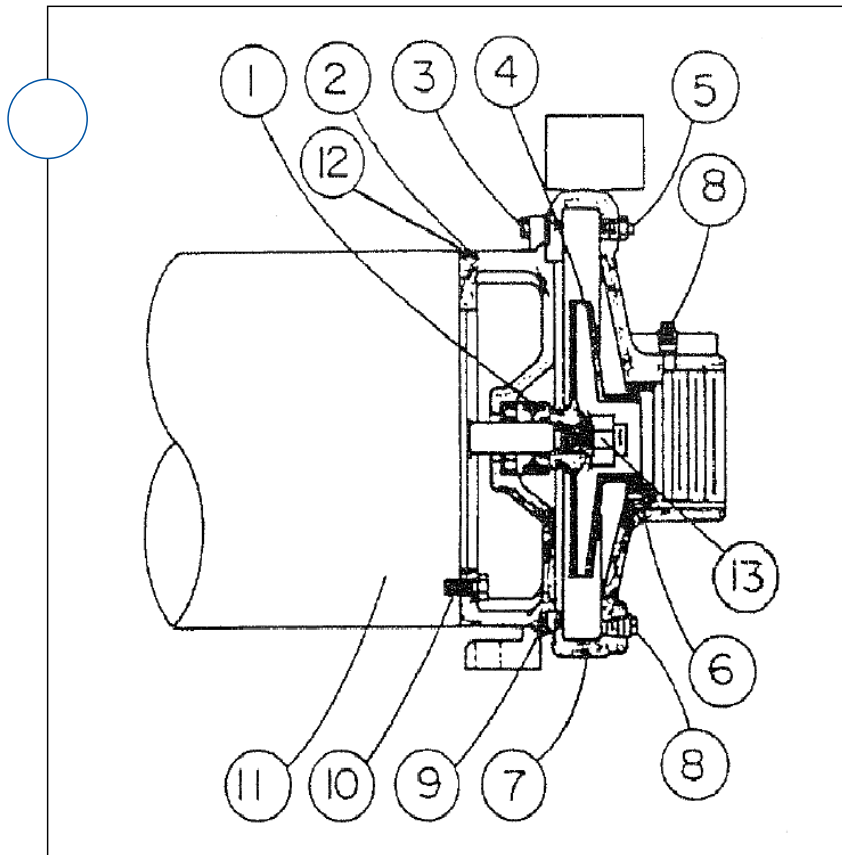
<u>Part #</u>	<u>Description</u>	<u>Application</u>
163551P	BOOSTER PUMP-RETROFIT-680-PC	All 680/6580 systems and E60/E65 systems with 85' or 105' end booms with Aquamatic valve. 680/6580 or E60/E65 systems with 85' or 105' end booms with nozzle valve gun, 800P valve or no valve. E60/E65 Systems with end booms up to 61' with Aquamatic valve. E60/E65 Systems with end booms up to 61' with nozzle valve gun, 800P valve or no valve.
163552P	BOOSTER PUMP-RETROFIT-680-NV	
163556P	BOOSTER PUMP-RETROFIT-E60-PC	
163557P	BOOSTER PUMP-RETROFIT-E60-NV	

5 Horsepower Kits

<u>Part #</u>	<u>Description</u>	<u>Application</u>
163553	BOOSTER PUMP-RETRO-5 HP-680-PC	All 680/6580 systems and E60/E65 systems with 85' or 105' end booms with Aquamatic valve. 680/6580 or E60/E65 systems with 85' or 105' end booms with nozzle valve gun, 800P valve or no valve. E60/E65 Systems with end booms up to 61' with Aquamatic valve. E60/E65 Systems with end booms up to 61' with nozzle valve gun, 800P valve or no valve.
163554	BOOSTER PUMP-RETRO-5 HP-680-NV	
163559	BOOSTER PUMP-RETRO-5 HP-E60-PC	
163560	BOOSTER PUMP-RETRO-5 HP-E60-NV	

Booster Pump Repair Parts

53



<u>Reference</u>	<u>Part Number</u>	<u>Description</u>
1	118611	Mechanical Shaft Seal
2	118612	Booster Pump Bracket
3	N/A	5/16" x 7/8" Cap Screw
4	118614	Brass Impeller
	118613	Cast Iron Impeller
5	118615	Valve, Vent
6	118616	Ring, Wearing
7	118617	Volute Case
8	118618	Pipe Plug
9	118619	Case Gasket
10	118620	Cap screw, 3/8" x 3/4"
11	118622	Motor-2 HP replacement (cast impeller w/ jam nut)
	118621	Motor-2 HP replacement (brass impeller)
12	118625	Gasket-Mylar
13	118623P	Jam Nut-3/8 NC-Left Hand
Not Pictured	112963	Complete Motor and Pump
Not Pictured	118627	Bolt-1/4-20X1 Left Hand Threaded - (threads into end of shaft on new style booster pumps)

TO ORDER CALL YOUR LOCAL REINKE DEALER


R3000 Rotator
Part Number

113860
113861
113862
113621
113622
113623
113627
113593
113628

Description

Square Thread Adapter R/S/D/N/A 3000
Body R/S 3000
Cap/Motor R3000
Plate U4 Blue
Plate D4 Green
Plate D6 Red
Plate D8 Orange
Plate U6 white
Plate D10 Brown


S300 Spinner
Part Number

113860
113861
113863
113623
113624
113625
113626

Description

Square Thread Adapter R/S/D/N/A 3000
Body R/S 3000
Cap/Motor S3000
Plate D6 Red
Plate D6 Purple
Plate D6 Gray
Plate D8 Yellow


N300 Nutator
Part Number

113860
113865
113866
113867

Description

Square Thread Adapter R/S/D/N/A 3000
Body N/T 3000
Cap/Plate Green Standard Angle
Cap/Plate Blue Low Angle

Sprinkler Devices

55



D300 Spray

Part Number

113860
113871
113872
113873
113874
113875
113876
113879
113942
113949
113877
113878
113880

Description

Adapter R/S/D/N/A 3000
Body D/A 3000
Cap/Pad CC Fine Green
Cap/Pad CC Medium Blue
Cap/Pad FL Coarse Gray
Cap/Pad CV Fine Purple
Cap/Pad FL Smooth Turquoise
Cap/Pad FL Medium Black
Cap/Pad Multi Orange
Cap/Pad Multi Brown
Cap/Pad CC X CM Blue X Red
Cap/Pad FL X CM Gray x Red
Cap/Pad CC X CC Blue X Green



A3000 Accelerator

Part Number

113860
113871
113958
113959

Description

Adapter R/S/D/N/A 3000
Body D/A 3000
Cap/Motor A3000
Plate D4 Burgundy A3000



T300 Trashbuster

Part Number

113860
113865
113862
113621
113622
113858
113931
113937

Description

Adapter R/S/D/N/A 3000
Body N/T 3000
Cap/Motor-R3000
Plate U4 Blue-R3000
Plate D4 Green-R3000
Trash buster Cap-D3000
Pad CC Fine Green-D3000
Pad FL Fine Yellow-D3000

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Part Number	Description
113881	NOZZLE-09 3TN LT BL/BEIGE
113882	NOZZLE-10 3TN BEIGE
113883	NOZZLE-11 3TN BEIGE/GOLD
113884	NOZZLE-12 3TN GOLD
113885	NOZZLE-13 3TN GOLD/LIME
113886	NOZZLE-14 3TN LIME
113887	NOZZLE-15 3TN LIME/LAV
113888	NOZZLE-16 3TN LAVENDER
113889	NOZZLE-17 3TN LAV/GRAY
113890	NOZZLE-18 3TN GRAY
113891	NOZZLE-19 3TN GRAY/TURQ
113892	NOZZLE-20 3TN TURQUOISE
113893	NOZZLE-21 3TN TURQ/YELLOW
113894	NOZZLE-22 3TN YELLOW
113895	NOZZLE-23 3TN YELLOW/RED
113896	NOZZLE-24 3TN RED
113897	NOZZLE-25 3TN RED/WHITE
113898	NOZZLE-26 3TN WHITE
113899	NOZZLE-27 3TN WHITE/BLUE
113900	NOZZLE-28 3TN BLUE
113901	NOZZLE-29 3TN BLUE/DK BRN
113902	NOZZLE-30 3TN DARK BROWN
113903	NOZZLE-31 3TN DK BRN/ORG
113904	NOZZLE-32 3TN ORANGE
113905	NOZZLE-33 3TN ORG/DK GRN
113906	NOZZLE-34 3TN DARK GREEN
113907	NOZZLE-35 3TN DK GRN/PURPL
113908	NOZZLE-36 3TN PURPLE

Part Number	Description
113909	NOZZLE-37 3TN PURPLE/BLACK
113910	NOZZLE-38 3TN BLACK
113911	NOZZLE-39 3TN BLACK/DK TURQ
113912	NOZZLE-40 3TN DK TURQUOISE
113913	NOZZLE-41 3TN DK TURQ/MUST
113914	NOZZLE-42 3TN MUSTARD
113915	NOZZLE-43 3TN MUST/MAROON
113916	NOZZLE-44 3TN MAROON
113917	NOZZLE-45 3TN MAROON/CREAM
113918	NOZZLE-46 3TN CREAM
113919	NOZZLE-47 3TN CREAM/DK BLUE
113920	NOZZLE-48 3TN DARK BLUE
113921	NOZZLE-49 3TN DK BLUE/COPPER
113922	NOZZLE-50 3TN COPPER

Part Number	Header Flow Control Nozzles
113964	NOZZLE-2.0 3000FC NELSON
113965	NOZZLE-2.5 3000FC NELSON
113966	NOZZLE-3.0 3000FC NELSON
113967	NOZZLE-3.5 3000FC NELSON
113968	NOZZLE-4.0 3000FC NELSON
113969	NOZZLE-4.3 3000FC NELSON
113970	NOZZLE-5.0 3000FC NELSON
113971	NOZZLE-5.5 3000FC NELSON
113972	NOZZLE-6.0 3000FC NELSON
113973	NOZZLE-7.0 3000FC NELSON
113974	NOZZLE-8.0 3000FC NELSON
113975	NOZZLE-9.0 3000FC NELSON
113976	NOZZLE-10.0 3000FC NELSON

Sprinkler Accessories

57



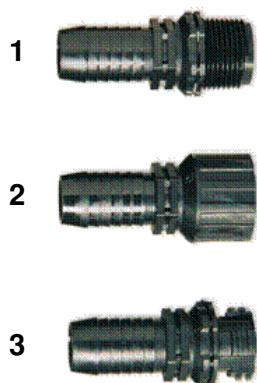
Nelson 3000 Series Sprinkler Accessories



Part Number	Description
1. 113955	1 lb. Modular Weight Zinc
2. 113954	Triple Nozzle Clip
3. 113929	Dual Nozzle Clip
4. 113960	Bubbler Clip-D3000

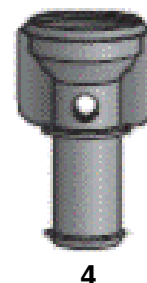


Nelson Adapters and Fittings



Part Number	Description
1. 8320	3/4 Male x 3/4 Hose Barb Adapter
2. 8321	3/4F x 3/4HB Adapter
3. 8322	3/4ST x 3/4HB Adapter
4. 113870	HD3000 Hose Drag Adapter

HD3000



Part Circle Sprinklers



Part Number	Description
113860	Square Thread Adapter 3000 series
113868	Cap/Body Assy. PC S3000
113869	Cap/Body Assy. PC D3000
113953	Cap/Body Assy. PC R3000



TO ORDER CALL YOUR LOCAL REINKE DEALER

Impact Sprinklers



Part Number

113782

113786

113787

113789

113790

113791

113795

113796

113797

Description

P65M-Brass

F44AAB 8 deg. Plastic

P85AS-Brass

F80APV-Brass

F33AA-Brass

L2004T-Brass

F33ASV-Brass

F70A-Brass

F43APV-Brass

Brass Nozzles

7RN

Part Number

111750

111751

111752

111753

111754

111764

111994

111995

111996

111999

113536

Description

NOZZLE-5/16 7RN

NOZZLE-11/32 7RN

NOZZLE-3/8 7RN

NOZZLE-13/32 7RN

NOZZLE-9/32 7RN

NOZZLE-1/4 7RN

NOZZLE-19/64 7RN

NOZZLE-21/64 7RN

NOZZLE-23/64 7RN

NOZZLE-25/64 7RN

NOZZLE-7/32 7RN

8RN

Part Number

111755

111756

111757

111758

111759

111760

111761

111762

111763

111772

111790

111791

Description

NOZZLE-3/8 8DRN

NOZZLE-7/16 8DRN

NOZZLE-15/32 8DRN

NOZZLE-1/2 8DRN

NOZZLE-13/32 8DRN

NOZZLE-17/32 8DRN

NOZZLE-11/32 8DRN

NOZZLE-9/16 8DRN

NOZZLE-5/8 8DRN

NOZZLE-19/32 8DRN

NOZZLE-21/32 8DRN

NOZZLE-11/16 8DRN

Impact Sprinklers

59



Brass Nozzles

3RN

<u>Part Number</u>	<u>Description</u>
111740	NOZZLE-9/64 3RN
111741	NOZZLE-5/32 3RN
111742	NOZZLE-11/64 3RN
111743	NOZZLE-3/16 3RN
111744	NOZZLE-13/64 3RN
111745	NOZZLE-7/32 3RN
111746	NOZZLE-1/4 3RN
111747	NOZZLE-9/32 3RN
111748	NOZZLE-17/64 3RN
111749	NOZZLE-15/64 3RN
111838	NOZZLE-3/32 3RN
111839	NOZZLE-7/64 3RN
111840	NOZZLE-1/8 3RN
111982	NOZZLE-25/128 3RN
111983	NOZZLE-27/128 3RN
111984	NOZZLE-29/128 3RN
111985	NOZZLE-31/128 3RN
111986	NOZZLE-33/128 3RN
111987	NOZZLE-35/128 3RN
111988	NOZZLE-37/128 3RN
113839	NOZZLE-19/64 3RN
113840	NOZZLE-5/16 3RN
113841	NOZZLE-21/64 3RN
113842	NOZZLE-11/32 3RN
113843	NOZZLE-23/64 3RN
113844	NOZZLE-3/8 3RN
113845	NOZZLE-25/64 3RN

2RN

<u>Part Number</u>	<u>Description</u>
111732	NOZZLE-5/64 2RN
111733	NOZZLE-3/32 2RN
111734	NOZZLE-7/64 2RN
111735	NOZZLE-1/8 2RN
111736	NOZZLE-9/64 2RN
111737	NOZZLE-5/32 2RN
113544	NOZZLE-11/64 2RN
113545	NOZZLE-3/16 2RN
113547	NOZZLE-7/32 2RN

3FCN

<u>Part Number</u>	<u>Description</u>
111952	NOZZLE-3FCN 8.0
111953	NOZZLE-3FCN 2.0
111966	NOZZLE-3FCN 2.5
111967	NOZZLE-3FCN 3.0
111968	NOZZLE-3FCN 3.5
111969	NOZZLE-3FCN 4.0
111970	NOZZLE-3FCN 4.3
111971	NOZZLE-3FCN 5.0
111972	NOZZLE-3FCN 5.5
111973	NOZZLE-3FCN 6.0
111974	NOZZLE-3FCN 7.0
111975	NOZZLE-3FCN 9.0
111976	NOZZLE-3FCN 10.0

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**Part #**

113823

113846

Universal Flow (.5 to .8 gpm)**Description**

REGULATOR 6# LF BLUE F X F 3/4"

REGULATOR 6# LF BLUE F X ST 3/4"

113824

113847

Universal Flow (.5 to 10 gpm)

REGULATOR 10# LF BLUE F X F 3/4"

REGULATOR 10# LF BLUE F X ST 3/4"

113826

113848

113827

113849

113831

113850

113851

113830

Universal Flow (.5 to 12 gpm)

REGULATOR 15# LF BLUE F X F 3/4"

REGULATOR 15# LF BLUE F X ST 3/4"

REGULATOR 20# LF BLUE F X F 3/4"

REGULATOR 20# LF BLUE F X ST 3/4"

REGULATOR 25# LF BLUE F X F 3/4"

REGULATOR 25# LF BLUE F X ST 3/4"

REGULATOR 30# LF BLUE F X ST 3/4"

REGULATOR 30# LF BLUE F X F 3/4"

**Part #**

113828

113852

113829

113853

Hi-Flo (4 to 16 gpm)**Description**

REGULATOR 6# HF BLUE F X F 3/4"

REGULATOR 6# HF BLUE F X ST 3/4"

REGULATOR 10# HF BLUE F X F 3/4"

REGULATOR 10# HF BLUE F X ST 3/4"

113834

113854

113855

113837

113856

113835

113836

113857

113838

Hi-Flo (2 to 20 gpm)

REGULATOR 15# HF BLUE F X F 3/4"

REGULATOR 15# HF BLUE F X ST 3/4"

REGULATOR 20# HF BLUE F X ST 3/4"

REGULATOR 20# HF BLUE F X F 3/4"

REGULATOR 25# HF BLUE F X ST 3/4"

REGULATOR 25# HF BLUE F X F 3/4"

REGULATOR 30# HF BLUE F X F 3/4"

REGULATOR 30# HF BLUE F X ST 3/4"

REGULATOR 40# HF BLUE F X F 3/4"

Regulators

61



Low Flow Regulator (PRL)

Part

Description

Flow (.5 to 5 gpm)

111640

REGULATOR-PRL 6# LF 3/4 F

111641

REGULATOR-PRL 10# LF 3/4 F

Flow (.1 to 8 gpm)

111642

REGULATOR-PRL 15# LF 3/4 F

111643

REGULATOR-PRL 20# LF 3/4 F

Pressure Master Medium Flow Regulator (PMR)

Part

Description

Flow (4 to 16 gpm)

111820

REGULATOR-PMR 6# MF 3/4 F

111822

REGULATOR-PMR 10# MF 3/4 F

Flow (2 to 20 gpm)

111824

REGULATOR-PMR 15# MF 3/4 F

111800

REGULATOR-PMR 20# MF 3/4 F

111788

REGULATOR-PMR 25# MF 3/4 F

111789

REGULATOR-PMR 30# MF 3/4 F

111792

REGULATOR-PMR 40# MF 3/4 F



Pivot Special Regulator (PSR)

Part

Description

Flow (.5 to 15 gpm)

111810

REGULATOR-PSR 6# -3/4 F

111811

REGULATOR-PSR 10# -3/4 F

111812

REGULATOR-PSR 15# -3/4 F

111813

REGULATOR-PSR 20# -3/4 F

TO ORDER CALL YOUR LOCAL REINKE DEALER



Xi-Wob

- Low pressure operation (10 to 15 PSI).
- Excellent distance of throws up to 46 feet in diameter.
- Specifically designed for polyethylene or galvanized drops.
- Utilizes Senninger's proven I-Wob technology.
- Ultra-low application intensity to preserve soil integrity.
- Two different groove geometries to provide application flexibility.



Xi-Wob
605 TOP

- Designed for top of pipe



Xi-Wob
615-GROOVE

- Higher trajectory for better overlap



Xi-Wob 610-6 GROOVE

- Larger droplets to maximize wetted diameter



Xi-Wob 910-9 GROOVE

- Smaller droplets for heavier soil types.

Part #	Description
111502	ADAPTER-I/Xi-Wob X 3/4M BASE
111508	XIWOB BRACKET
111509	XIWOB BLUE MODEL 610
111510	XIWOB GREY MODEL 910
111511	XIWOB WEM BLACK615 XIWEMASM615
111513	XIWOB WEM WHT 605 XIWEMASM605T

I-Wob Nozzles

Part #	Description
111460	NOZZLE-# 7 LIME IWOB
111461	NOZZLE-# 7.5 IWOB
111462	NOZZLE-# 8 LAVENDER IWOB
111463	NOZZLE-# 8.5 IWOB
111464	NOZZLE-# 9 GREY IWOB
111465	NOZZLE-# 9.5 IWOB
111466	NOZZLE-#10 TURQUOISE IWOB
111467	NOZZLE-#10.5 IWOB
111468	NOZZLE-#11 YELLOW IWOB
111469	NOZZLE-#11.5 IWOB
111470	NOZZLE-#12 RED IWOB
111471	NOZZLE-#12.5 IWOB
111472	NOZZLE-#13 WHITE IWOB
111473	NOZZLE-#13.5 IWOB
111474	NOZZLE-#14 BLUE IWOB
111475	NOZZLE-#14.5 IWOB
111476	NOZZLE-#15 BROWN IWOB
111477	NOZZLE-#15.5 IWOB
111478	NOZZLE-#16 ORANGE IWOB
111479	NOZZLE-#16.5 IWOB
111480	NOZZLE-#17 GREEN IWOB
111481	NOZZLE-#17.5 IWOB
111482	NOZZLE-#18 PURPLE IWOB
111483	NOZZLE-#18.5 IWOB
111484	NOZZLE-#19 BLACK IWOB
111485	NOZZLE-#19.5 IWOB
111486	NOZZLE-#20 DKTURQ IWOB
111487	NOZZLE-#20.5 IWOB
111488	NOZZLE-#21 MUSTARD IWOB
111489	NOZZLE-#21.5 IWOB
111490	NOZZLE-#22 MAROON IWOB
111491	NOZZLE-#22.5 IWOB
111492	NOZZLE-#23 CREAM IWOB
111493	NOZZLE-#23.5 IWOB
111494	NOZZLE-#24 DK BLUE IWOB
111506	NOZZLE #25 COPPER IWOB
111507	NOZZLE-#26 BRONZE IWOB

Part #	Description
111514	XCELWOBLER WHT
* Refer to page 67 for the 6 & 12° nozzles	



i-Wob Bases

<u>Part #</u>	<u>Description</u>
111502	ADAPTER-IWOB X 3/4M BASE
111503	ADAPTER-IWOB X 3/4 HB BASE

i-Wob Brackets

<u>Part #</u>	<u>Description</u>
111495	BRACKET-IWOB STD ANGLE BLACK
111496	BRACKET-IWOB LOW ANGLE WHITE
111504	BRACKET-IWOB LOW ANGLE BLUE

One Weight

<u>Part #</u>	<u>Description</u>
111512	WEIGHT-ONE SENNINGER #ONEWGT4

I-Wob Nozzles

<u>Part #</u>	<u>Description</u>
111460	NOZZLE-# 7 LIME IWOB
111461	NOZZLE-# 7.5 IWOB
111462	NOZZLE-# 8 LAVENDER IWOB
111463	NOZZLE-# 8.5 IWOB
111464	NOZZLE-# 9 GREY IWOB
111465	NOZZLE-# 9.5 IWOB
111466	NOZZLE-#10 TURQUOISE IWOB
111467	NOZZLE-#10.5 IWOB
111468	NOZZLE-#11 YELLOW IWOB
111469	NOZZLE-#11.5 IWOB
111470	NOZZLE-#12 RED IWOB
111471	NOZZLE-#12.5 IWOB
111472	NOZZLE-#13 WHITE IWOB
111473	NOZZLE-#13.5 IWOB
111474	NOZZLE-#14 BLUE IWOB
111475	NOZZLE-#14.5 IWOB
111476	NOZZLE-#15 BROWN IWOB
111477	NOZZLE-#15.5 IWOB
111478	NOZZLE-#16 ORANGE IWOB
111479	NOZZLE-#16.5 IWOB
111480	NOZZLE-#17 GREEN IWOB
111481	NOZZLE-#17.5 IWOB
111482	NOZZLE-#18 PURPLE IWOB
111483	NOZZLE-#18.5 IWOB
111484	NOZZLE-#19 BLACK IWOB
111485	NOZZLE-#19.5 IWOB
111486	NOZZLE-#20 DKTURQ IWOB
111487	NOZZLE-#20.5 IWOB
111488	NOZZLE-#21 MUSTARD IWOB
111489	NOZZLE-#21.5 IWOB
111490	NOZZLE-#22 MAROON IWOB
111491	NOZZLE-#22.5 IWOB
111492	NOZZLE-#23 CREAM IWOB
111493	NOZZLE-#23.5 IWOB
111494	NOZZLE-#24 DK BLUE IWOB
111506	NOZZLE #25 COPPER IWOB
111507	NOZZLE-#26 BRONZE IWOB



LDN



LDN Components

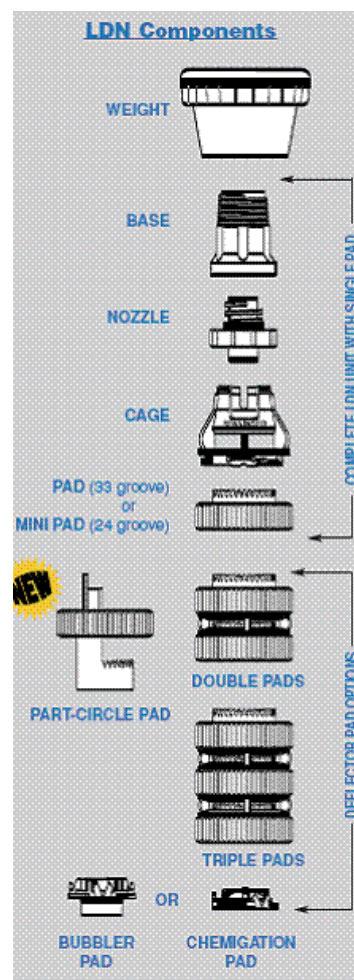
Part #	Description
111562	HEAVY DUTY-LDN-CAGE ONLY
111801	BASE-ONLY
111581	ADAPTER-LDN X HB HOSE DRAG

LDN Pad and Pad Combinations

Part #	Description
111561	SENNINGER LDN PART CIRCLE PAD
111563	PAD-CONCAVE-SINGLE BLUE DEEP GROVE
111564	PAD-HEAVY DUTY CONNECTOR
111565	PAD-CONCAVE SINGLE MINI BLUE
111566	PAD-CONCAVE-SINGLE BLUE
111567	PAD-FLAT-SINGLE MINI BLACK
111568	PAD-FLAT-SINGLE BLACK
111569	PAD-MULTI-CONCAVE/FLAT-DOUBLE
111570	PAD-MULTI- CONCAVE/FLAT/FLAT-TRIPLE
111571	PAD-MINI-CONCAVE/CHEM 1-SINGLE
111572	PAD-CONCAVE /CHEM 2-SINGLE
111573	PAD-MINI-FLAT/CHEM1-SINGLE
111574	PAD-FLAT/CHEM 2-SINGLE
111575	PAD-CONCAVE/FLAT/CHEM 2-DOUBLE
111576	PAD-CONCAVE/FLAT-CONCAVE/CHEM 2-TRIPLE
111582	PAD-MINI CONVEX-SINGLE
111583	PAD-CONVEX-SINGLE
111584	PAD-CONVEX/FLAT -DOUBLE
111585	PAD-RED CHEM1
111586	PAD-MAROON CHEM 2
111587	PAD-FLAT-COTTON CHEM SINGLE
111588	PAD-MULTI CONCAVE/FLAT-DOUBLE
111589	PAD-MULTI CONCAVE/FLAT/CONCAVE-TRIPLE
111590	PAD-FLAT SMOOTH
111612	PAD-MINI CONCAVE /BUBBLER
111613	PAD-CONCAVE/BUBBLER
111614	PAD-FLAT/BUBBLE
111615	PAD-BUBBLE
111616	PAD-COTTON/BUBBLE

One Weight

Part #	Description
111512	WEIGHT-ONE SENNINGER #ONEWGT4



* Refer to page 66 for LDN Nozzles

Sprinkler Devices

65



Super Spray



Part #
111853

Bracket

Description
SPRAY-SUPER 360 3/4 BKT W/VANE

Part #	Description
111862	PAD-DEFL CNCAV DEEP GROOVE
111863	PAD-DEFL MINI CORN RED S SPRAY
111864	PAD-DEFL CORN RED SUPER SPRAY
111854	PAD-DEFL FLAT SMOOTH BLACK
111855	PAD-DEFL FLAT MED GROVE
111856	PAD-DEFL FLAT DEEP GROVE #24
111857	PAD-DEFL CONCAVE SMOOTH
111858	PAD-DEFL CONCAVE MED GROVE
111859	PAD-DEFL CONVEX SMOOTH
111860	PAD-DEFL CONVEX MED GRV
111861	PAD-DEFL FLAT DEEP GRV #36 BLACK
111651	SPRAY-FAN #5 3/4" M
111652	SPRAY-FAN #6 3/4" M
111653	SPRAY-FAN #7 3/4" M
111654	SPRAY-FAN #8 3/4" M
111655	SPRAY-FAN #9 3/4" M
111656	SPRAY-FAN #10 3/4" M
111657	SPRAY-FAN #11 3/4" M
111658	SPRAY-FAN #12 3/4" M
111659	SPRAY-FAN #13 3/4" M
111660	SPRAY-FAN #14 3/4" M
111661	SPRAY-FAN #15 3/4" M
111662	SPRAY-FAN #16 3/4" M
111663	SPRAY-FAN #17 3/4" M
111664	SPRAY-FAN #18 3/4" M
111665	SPRAY-FAN #19 3/4" M
111666	SPRAY-FAN #20 3/4" M
111667	SPRAY-FAN #21 3/4" M
111668	SPRAY-FAN #22 3/4" M
111669	SPRAY-FAN #23 3/4" M
111670	SPRAY-FAN #24 3/4" M

Fan Spray



Part #
8275

Super Spray Adapter

Description
ADAPTER-3/4" SUPER SPRAY/HOSE

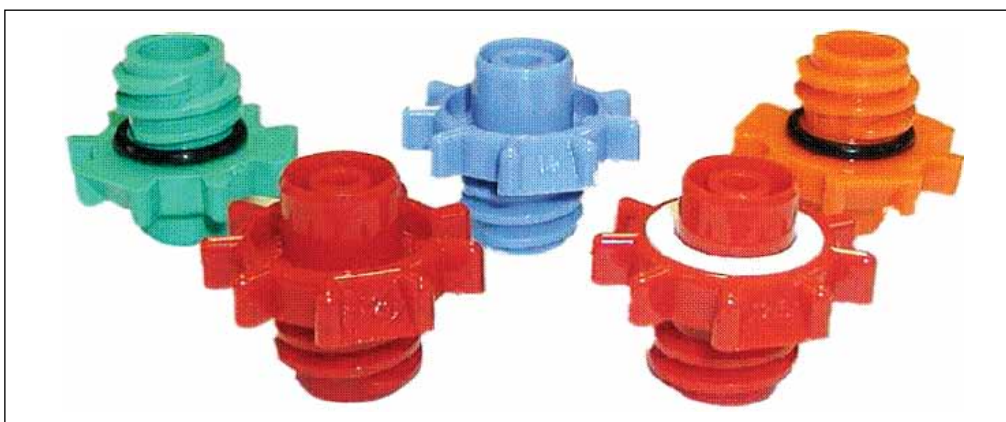
Fan Spray



* Refer to page 66 for Quad & Super Spray Nozzles

Special Order only, call for availability.

TO ORDER CALL YOUR LOCAL REINKE DEALER



Part#	Description
111843	NOZZLE-S SPRAY #4
111844	NOZZLE-S SPRAY #4.5
111845	NOZZLE-S SPRAY #5.5 BEIGE/GOLD
111846	NOZZLE-S SPRAY #6.5 GOLD/LIME
111847	NOZZLE-S SPRAY #7.5 LIME/LAV
111848	NOZZLE-S SPRAY #8.5 LAV/GRAY
111849	NOZZLE-S SPRAY #9.5 GRAY/TURQ
111865	NOZZLE-S SPRAY #5 BEIGE
111866	NOZZLE-S SPRAY #6 GOLD
111867	NOZZLE-S SPRAY #7 LIME
111868	NOZZLE-S SPRAY #8 LAVENDER
111869	NOZZLE-S SPRAY #9 GRAY
111870	NOZZLE-S SPRAY #10 TURQ
111871	NOZZLE-S SPRAY #10.5 TURQ/YEL
111872	NOZZLE-S SPRAY #11 YEL
111873	NOZZLE-S SPRAY #11.5 YEL/RED
111874	NOZZLE-S SPRAY #12 RED
111875	NOZZLE-S SPRAY #12.5 RED/WH
111876	NOZZLE-S SPRAY #13 WHITE
111877	NOZZLE-S SPRAY #13.5 WH/BLU
111878	NOZZLE-S SPRAY #14 BLU
111879	NOZZLE-S SPRAY #14.5 BLU/D BRN
111880	NOZZLE-S SPRAY #15 DK BRN

Part #	Description
111881	NOZZLE-S SPRAY #15.5 D BRN/ORN
111882	NOZZLE-S SPRAY #16 ORNG
111883	NOZZLE-S SPRAY #16.5 ORN/D GRN
111884	NOZZLE-S SPRAY #17 DK GRN
111885	NOZZLE-S SPRAY #17.5 D GRN/PPL
111886	NOZZLE-S SPRAY #18 PRPL
111887	NOZZLE-S SPRAY #18.5 PRPL/BLK
111888	NOZZLE-S SPRAY #19 BLK
111889	NOZZLE-S SPRAY #19.5 BLK/D TUR
111890	NOZZLE-S SPRAY #20 DK TURQ
111891	NOZZLE-S SPRAY #20.5D TURQ/MUS
111892	NOZZLE-S SPRAY #21 MUSTARD
111893	NOZZLE-S SPRAY #21.5 MUS/MRN
111894	NOZZLE-S SPRAY #22 MRN
111895	NOZZLE-S SPRAY #22.5 MRN/CRM
111896	NOZZLE-S SPRAY #23 CREAM
111897	NOZZLE-S SPRAY #23.5 CRM/DK BL
111898	NOZZLE-S SPRAY #24 DK BLU
111899	NOZZLE-S SPRAY #24.5 D BL/BEIG
111900	NOZZLE-S SPRAY #25 BEIGE
111901	NOZZLE-S SPRAY #25.5 BEIGE/GLD
111902	NOZZLE-S SPRAY #26 GOLD

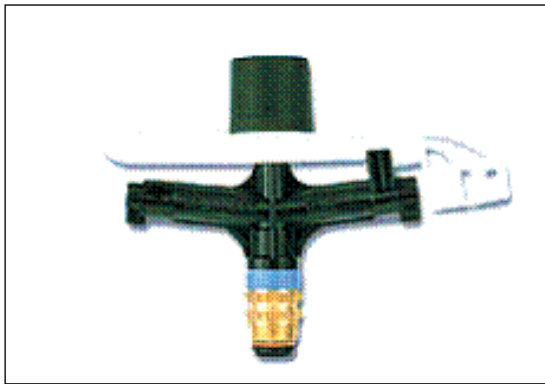
Impact Sprinklers

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6 Degree Trajectory Impact Sprinklers

<u>Part #</u>	<u>Description</u>
111960	SPRINKLER-3006 1-3/4M PM
111961	SPRINKLER-4006 1-3/4M PM
111962	SPRINKLER-5006 1-3/4M PM
111963	SPRINKLER-5006H 2-3/4M PM



6 and 12 Degree Nozzles

<u>Part #</u>	<u>Description</u>
111911	NOZZLE INSERT-#6 3006 3012
111912	NOZZLE INSERT-#7 3006 3012
111913	NOZZLE INSERT-#7.5 3006 3012
111914	NOZZLE INSERT-#8 3006 3012
111915	NOZZLE INSERT-#8.5 3006 3012
111916	NOZZLE INSERT-#9 3006 3012
111917	NOZZLE INSERT-#9.5 3006 3012
111918	NOZZLE INSERT-#10 4006 4012
111919	NOZZLE INSERT-#10.5 4006 4012
111920	NOZZLE INSERT-#11 4006 4012
111921	NOZZLE INSERT-#11.5 4006 4012
111922	NOZZLE INSERT-#12 4006 4012
111923	NOZZLE INSERT-#12.5 5006 5012
111924	NOZZLE INSERT-#13 5006 5012
111925	NOZZLE INSERT-#13.5 5006 5012
111926	NOZZLE INSERT-#14 5006 5012
111927	NOZZLE INSERT-#14.5 5006 5012
111928	NOZZLE INSERT-#15 5006 5012
111929	NOZZLE INSERT-#15.5 5006 5012
111930	NOZZLE INSERT-#16 5006 5012
111931	NOZZLE INSERT-#16.5 5006 5012
111932	NOZZLE INSERT-#17 5006 5012
111933	NOZZLE INSERT-#17.5 5006 5012
111934	NOZZLE INSERT-#18 5006 5012

12 Degree Trajectory Impact Sprinklers

<u>Part #</u>	<u>Description</u>
111907	SPRINKLER-3012 1-3/4M PM
111908	SPRINKLER-4012 1-3/4M PM
111909	SPRINKLER-5012 1-3/4M PM
111959	SPRINKLER-7012 SD 2 1 M



12 and 25 Degree Nozzles

<u>Part #</u>	<u>Description</u>
111937	NOZZLE-#16 7025RD/7012SD
111938	NOZZLE-#18 7025RD /7012SD
111939	NOZZLE-#20 7025RD /7012SD
111940	NOZZLE-#22 7025RD /7012SD
111941	NOZZLE-#24 7025RD /7012SD
111942	NOZZLE-#24 8025RD
111943	NOZZLE-#26 8025RD
111944	NOZZLE-#28 8025RD
111945	NOZZLE-#30 8025RD
111946	NOZZLE-#32 8025RD
111947	NOZZLE-#34 8025RD
111948	NOZZLE-#36 8025RD
111949	NOZZLE-#38 8025RD
111950	NOZZLE-#40 8025RD

25 Degree Trajectory Impact Sprinklers

<u>Part #</u>	<u>Description</u>
111910	SPRINKLER-7025 RDB 2 1 M
111935	SPRINKLER-8025 RD 1F

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Fittings

<u>Part #</u>	<u>Description</u>
8260	COUPLING-3/4 F SENNINGER
8261	ADAPTER-3/4 F X 3/4 HB SENNINGER
8262	ADAPTER-3/4 M X 3/4 HB SENNINGER
8301	NIPPLE-3/4 CLOSE PVC SENNINGER FTN33
8302	ADAPTER-3/4 HB X HB SENNINGER FTA3B3B

Goosenecks and Hose Slings

<u>Part #</u>	<u>Description</u>
111607	GOOSENECK-3/4MNPTX3/4B-SGL-125
111608	GOOSENECK 3/4MNPTX3/4MNPT-SGL125
111609	GOOSENECK-3/4MNPTX3/4B-SGL-180
111610	GOOSENECK 3/4MNPTX3/4MNPT-SGL180
111681	GOOSENECK 3/4MNPT X 3/4B-DBL 125
111678	5/8" TRUSS ROD HOSE SLING
111679	11/16" TRUSS ROD HOSE SLING
111680	3/4" TRUSS ROD HOSE SLING
111682	13/16" TRUSS ROD HOSE SLING
111683	7/8" TRUSS ROD HOSE SLING

Ball Valve

<u>Part #</u>	<u>Description</u>
8515	VALVE-BALL 3/4 MXF PLASTIC

Water Pressure Gauges

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<u>Part #</u>	<u>Description</u>
111719	WATER PRESSURE GAUGE 0-30
111730-1	WATER PRESSURE GAUGE 0-60
111704-1	WATER PRESSURE GAUGE 0-100
111721	WATER PRESSURE GAUGE 0-200

Water Pressure Guages With Fittings

<u>Part #</u>	<u>Description</u>
141719	WATER PRESSURE GAUGE 0-30#
141730	WATER PRESSURE GAUGE 0-60#
141704	WATER PRESSURE GAUGE 0-100#
141721	WATER PRESSURE GAUGE 0-20#

R33 Rotator



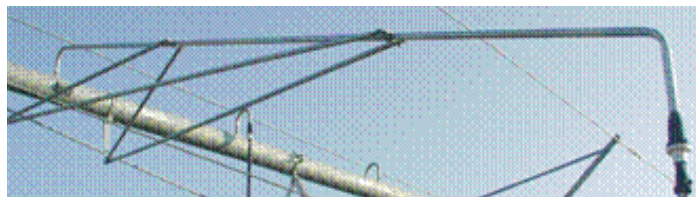
<u>Part #</u>	<u>Description</u>
114012	R33 ADAPTER 3/4" MNPT #11344
114013	R33 ROTATOR GOLD 9/64" NEL
114014	R33 ROTATOR BROWN 6/32" NEL
114015	R33 ROTATOR GRAY 11/64" NEL
114016	R33 ROTATOR GREEN 3/16" NEL

- 1) Designed to replace 3/4" Brass Impact
- 2) Capable of moving from slow mode back to fast mode producing a wind fighting pattern with maximum throw distance.
- 3) Easy to clean

TO ORDER CALL YOUR LOCAL REINKE DEALER

Boom Backs

Span Mounted



PVC

<u>Part #</u>	<u>Description</u>
141841	BOOM BACK-W/3" CLAMP
141842	BOOM BACK-W/4 1/2" CLAMP
141843	BOOM BACK-W/6" CLAMP
141844	BOOM BACK-W/6 5/8" CLAMP
141845	BOOM BACK-W/8" CLAMP
141846	BOOM BACK-W/10" CLAMP

Galvanized

<u>Part #</u>	<u>Description</u>
141834	BOOM BACK-W/3" CLAMP-14'
141835	BOOM BACK-W/4 1/2" CLAMP-14'
141836	BOOM BACK-W/6" CLAMP-14'
141837	BACK-BOOM-W/6-5/8 CLAMP-14'
141838	BOOM BACK-W/8" CLAMP-14'
141839	BOOM BACK-W/10" CLAMP-14'

Tower Leg Mounted



PVC

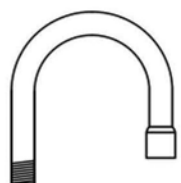
<u>Part #</u>	<u>Description</u>
161710	RETRO TOWER LEG BOOM BACK-PVC
161715	RETRO TOWER LEG BOOM BACK-PVC

Galvanized

<u>Part #</u>	<u>Description</u>
161712	RETRO TOWER LEG BOOM BACK-GALV
161716	RETRO TOWER LEG BOOM BACK-GALV

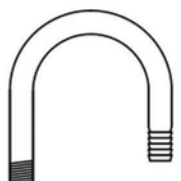
Mounting Hardware

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Goosenecks and U-pipe

<u>Part #</u>	<u>Description</u>
8099	U-pipe 3/4" M x M Galvanized
8100	U-pipe 3/4" M x F Galvanized
8101	U-pipe 3/4" M x HB Galvanized



<u>Part #</u>	<u>Description</u>
113809	Gooseneck M x HB PVC
113810	Gooseneck M x F PVC



Furrow Arms

<u>Part #</u>	<u>Description</u>
8185	M x HB-20" Galvanized
8187	M x HB-12" Galvanized
8189	M x F-12" Galvanized



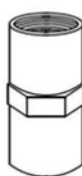
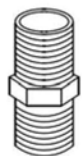
<u>Part #</u>	<u>Description</u>
8314	M x HB-12" PVC

<u>Part #</u>	<u>Description</u>
8198	M x M-12" Aluminum



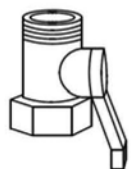
PVC Fittings

<u>Part #</u>	<u>Description</u>
8266	3/4" M x HB
8267	3/4" HB x HB
8280	3/4" F x F
8281	3/4" Close Nipple
8309	3/4" F x F x F Tee
8327	3/4" F x HB



Galvanized Steel Fittings

<u>Part #</u>	<u>Description</u>
8011	Bushing-3/4" x 1"
8021	Coupling-3/4" F x F
8030	Nipple-3/4" Close
8177	Nipple-3/4" x 2.5"
8051	Nipple-3/4" x 4"
8190	Nipple-3/4" x 10"



Ball Valves

<u>Part #</u>	<u>Description</u>
8502	Valve 3/4" brass F x F
8508	Valve 3/4" plastic M x F



Hose

<u>Part #</u>	<u>Description</u>
111172	3/4" PVC 250' Roll

Clamps/Tools

2511	1" Screw clamp
2534	1 1/2" Screw clamp
2519	1 1/16" Oetiker clamp
117519	Oetiker crimp tool

Drag Sock

<u>Part #</u>	<u>Description</u>
8505	Sock-hose drag

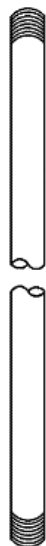


Drop Weights

<u>Part #</u>	<u>Description</u>
110185	Blk Plastic 2# Slip-30"
110186	Blk Plastic 2# 3/4" F x F-24"
<u>Part #</u>	<u>Description</u>
111978	3/4" M x HB 18" Galvanized
111989	3/4" M x HB 24" Galvanized
111990	3/4" M x M 18" Galvanized
111991	3/4" M x M 24" Galvanized

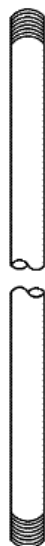
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Sprinkler Drop Pipe



Galvanized Drops

<u>Part #</u>	<u>Description</u>
111992	48" M x M 3/4" NPT
111993	54" M x M 3/4" NPT
111977	60" M x M 3/4" NPT
111981	66" M x M 3/4" NPT
111980	72" M x M 3/4" NPT
111979	78" M x M 3/4" NPT
111958	84" M x M 3/4" NPT
112004	90" M x M 3/4" NPT
112005	96" M x M 3/4" NPT



PVC Drops

<u>Part #</u>	<u>Description</u>
113811	42" M x M 3/4" NPT
113812	48" M x M 3/4" NPT
113813	54" M x M 3/4" NPT
113814	60" M x M 3/4" NPT
113815	66" M x M 3/4" NPT
113816	72" M x M 3/4" NPT
113817	78" M x M 3/4" NPT
113818	84" M x M 3/4" NPT
113819	90" M x M 3/4" NPT
113820	96" M x M 3/4" NPT
113821	102" M x M 3/4" NPT
113822	108" M x M 3/4" NPT

Black Plastic Drops

<u>Part #</u>	<u>Description</u>
143869	24" M x M 3/4" NPT
143870	36" M x M 3/4" NPT
143871	42" M x M 3/4" NPT
143872	48" M x M 3/4" NPT
143873	54" M x M 3/4" NPT
143874	60" M x M 3/4" NPT
143875	66" M x M 3/4" NPT
143876	72" M x M 3/4" NPT
143877	78" M x M 3/4" NPT
143878	84" M x M 3/4" NPT
143879	90" M x M 3/4" NPT
143880	96" M x M 3/4" NPT
143881	102" M x M 3/4" NPT
143882	108" M x M 3/4" NPT
143884	114" M x M 3/4" NPT
143885	120" M x M 3/4" NPT



Combo Tube/Hose Drops

<u>Part #</u>	<u>Description</u>
143891	42" M x M 3/4" NPT
143892	48" M x M 3/4" NPT
143893	54" M x M 3/4" NPT
143894	60" M x M 3/4" NPT
143895	66" M x M 3/4" NPT
143896	72" M x M 3/4" NPT
143897	78" M x M 3/4" NPT
143898	84" M x M 3/4" NPT
143899	90" M x M 3/4" NPT
143900	96" M x M 3/4" NPT
143901	102" M x M 3/4" NPT
143902	108" M x M 3/4" NPT
143903	114" M x M 3/4" NPT
143904	120" M x M 3/4" NPT



PVC Combo Drops

<u>Part #</u>	<u>Description</u>	<u>Part #</u>	<u>Description</u>
113993	DROP-3/4" X 54" MXM PVC/HOSE	113997	DROP-3/4" X 78" MXM PVC/HOSE
113994	DROP-3/4" X 60" MXM PVC/HOSE	113998	DROP-3/4" X 84" MXM PVC/HOSE
113995	DROP-3/4" X 66" MXM PVC/HOSE	113999	DROP-3/4" X 90" MXM PVC/HOSE
113996	DROP-3/4" X 72" MXM PVC/HOSE	114000	DROP-3/4" X 96" MXM PVC/HOSE

Mounting Hardware

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Area of a Circle

$$\text{Area} = \text{Radius}^2 \times 3.1416$$

Circumference of a Circle

$$\text{Circumference} = \text{Diameter} \times 3.1416$$

Pivot Acreage with End Gun*

$$(L + E)^2 \times 3.1416$$

$$\text{Acres} = \frac{\text{Area}}{43,560}$$

$$L = \text{Pivot length in feet}$$

$$E = \text{End Gun Radius in feet}$$

*With end gun operating continuously.

Time for a Full Rotation by a

Pivot

$$2L \times 3.1416$$

$$\text{Hours} = \frac{\text{Time}}{60}$$

$$L = \text{Distance to last wheel track in feet}$$

$$S = \text{Tower Speed in feet/minute}$$

Approximate Percentage Timer

Setting

$$H$$

$$\% = \frac{H}{T} \times 100$$

$$T \times A$$

$$H = \text{Hours for full rotation @ 100\%}$$

$$T = \text{Time for 1" Application in Hours}$$

$$A = \text{Application Required in Inches}$$

Estimating Brake Horsepower

Required

$$\text{GPM} \times \text{TDH}$$

$$\text{BHP} = \frac{\text{GPM} \times \text{TDH}}{3960 \times \text{EFF}}$$

$$3960 \times \text{EFF}$$

$$\text{BHP} = \text{Brake Horsepower Required}$$

$$\text{GPM} = \text{Flow Required in GPM}$$

$$\text{TDH} = \text{Total Dynamic Head in feet}$$

$$\text{EFF} = \text{Pump Efficiency in Decimal Form}$$

Flow

Convert	Into	Multiply by:
Acre-Inch/Hr.	Gallons/Minute	452.6
Acre-Inch	Gallons	27,154.0
Cubic Feet	Gallons	7.481
Cubic Feet/Sec.	Gallons/Minute	448.831
Cubic Meters	Gallons	264.2
Cubic Meters/Hr.	Gallons/Minute	4.403
Liters	Gallons	0.264
Liters/Sec.	Gallons/Minute	15.852
Gallons	Liters	3.785
Gallons/Minute	Cubic Meters/Hr.	0.227
Gallons/Minute	Liters/Sec.	0.063
Liters	Gallons	0.264
Liters/Sec.	Gallons/Minute	15.852
Liters/Sec.	Cubic Meters/Hr.	3.598

Area/Linear

Convert	Into	Multiply by:
Acres	Square Feet	43,560
Centimeters	Inches	0.394
Meters	Feet	3.281
Miles	Kilometers	1.609
Miles	Feet	5280.0

Pressure

Convert	Into	Multiply by:
Atmospheres	Pounds/Sq. In.	14.70
Bars	Pounds/Sq. In.	14.50
Feet of Water	Pounds/Sq. In.	0.434
Gallons of Water	Pounds	8.33
Pounds/Sq. In.	Atmospheres	0.068
Pounds/Sq. In.	Bars	0.069
Pounds/Sq. In.	Feet of Water	2.307

Power

Convert	Into	Multiply by:
Horsepower	Kilowatts	0.746
Kilowatts	Horsepower	1.341

Average Application Rate

$$96.3 (Q)$$

$$\text{AAR} = \frac{\text{Flow}}{\text{Wetted Band}}$$

$$(SS)(W)$$

$$\text{AAR in Inches per Hour}$$

$$Q = \text{flow for one sprinkler}$$

$$SS = \text{Average Sprinkler Spacing}$$

$$W = \text{Wetted Band Perpendicular to the System}$$

Depth of Water Applied By

a Center Pivot

$$(30.64 \times Q \times \text{HPR})$$

$$D = \frac{\text{Depth}}{\text{Pivot Length}}$$

$$(PL + \text{EGR})^2$$

$$D = \text{Depth of Water Applied}$$

$$Q = \text{Flow Rate in GPM}$$

$$\text{HPR} = \text{Hours per Revolution}$$

$$PL = \text{Pivot Length in Feet}$$

$$\text{EGR} = \text{End Gun Radius in Feet}$$

Time for a 1" Application

$$452.6 \times \text{Acres}$$

$$\text{Hours} = \frac{\text{Time}}{\text{GPM}}$$

$$\text{GPM}$$

Friction Loss for 100 Feet of Pipe

(Hazen-Williams)

$$(Q/C)^{1.852}$$

$$H_f = 1045 \times \frac{Q^{1.852}}{ID^{4.852}}$$

$$ID^{4.852}$$

$$H_f = \text{Friction Loss in Feet of Water (Head)}$$

$$ID = \text{Pipe Inside Diameter}$$

$$C = \text{Pipe Coefficient}$$

$$A) \text{ PVC} = 150$$

$$B) \text{ Aluminum w/ couplers} = 145$$

$$C) \text{ Galvanized Steel} = 140$$

$$D) \text{ Cast Iron} = 100$$

$$Q = \text{Flow in Gallons Per Minute}$$

Tire Data

TIRE SIZE	LOADED RADIUS	ROLLING CIRCUM.	LOW (72:1)	STD (48:1)	HIGH (24:1)	80:1	60:1	50:1	40:1	30:1	25:1	20:1
11 X 22.5	21.84	137.25	5.59	8.44	16.89	5.00	6.67	8.01	10.01	13.34	16.01	20.02
11.2 X 24	20.53	129.00	5.26	7.93	15.87	4.70	6.27	7.53	9.41	12.54	15.05	18.81
11.2 X 38	27.37	172.00	7.01	10.57	21.17	6.27	8.36	10.03	12.54	16.72	20.07	25.08
14.9 X 24	23.55	148.00	6.03	9.10	18.21	5.40	7.19	8.63	10.79	14.39	17.27	21.58
16.9 X 24	24.67	155.00	6.32	9.53	19.07	5.65	7.53	9.04	11.30	15.07	18.08	22.60
13.6 X 38	29.13	183.00	7.46	11.25	22.52	6.67	8.90	10.68	13.34	17.79	21.35	26.69
18.4 X 26	26.58	167.00	6.81	10.26	20.55	6.09	8.12	9.74	12.18	16.24	19.48	24.35

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