

Reasons to use General Pump



Reliability

General Pump products have been industry-tested world-wide for 28 years, and in the United States for the past 23 years. General Pump is affiliated with the world's largest manufacturers of high-pressure water plunger pumps and accessories. You can rely on General Pump's wide range of products that fill many niches in the market and cater to customers' specific needs. You can depend on the flexibility and efficiency of General Pump's manufacturing and distribution processes.



Versatility

General Pump offers a variety of pump, accessory and nozzle models with flows up to 112 GPM and pressures to 21,750 PSI. General Pump has put more than one million pumps into various applications over the last 21 years. These pumps are complemented with a broad array of accessories and nozzles to meet specific customer requirements.



Economic Quality

Maintenance and repair of GP pumps and accessories is simple and inexpensive. When you compare the life-cycle cost of GP to others in the market, you will find GP products are the choice for best value. Availability of replacement parts and kits is always a critical issue when choosing a supplier. General Pump is a US-based distributor/manufacturer with a full inventory of pumps, accessories, nozzles and repair parts ready for immediate delivery.

Commitment to Support

General Pump has a well-trained staff including, Inside and Outside Sales, Applications Engineering and Design Engineering groups ready to provide customers with training, information and support. Comprehensive training schools are held frequently at our world-class training facility.

www.generalspump.com



Engineering & Manufacturing



Since 1982, General Pump has developed a leading position as a designer and manufacturer of innovative products for the power wash industry. Located at our manufacturing facility in Eagan, MN our dedicated engineering teams are ideally positioned to tap into the trends moving the US market. Working closely with our OEM partners, these teams use state-of-the-art design tools and suppliers to bring to market the innovative, yet cost-effective solutions to meet our customer's needs.

In recent years the emergence of General Pump's own Minnesota-based manufacturing capability has brought a new level of service to the US market. Our capacity has expanded and we offer a wide range of products built to order, made in the USA, for the American market.

Importantly, this local market support is now the strongest in our industry, thanks to the financial backing of the Interpump Group, the world's leader in high-pressure plunger pump technology and production. As a result, General Pump is uniquely positioned in the US market to engineer, manufacture and timely deliver the complete range of solutions required by the power wash industry.

Dedicated Engineering

- Design teams dedicated to accessory and nozzle development
- Source of innovative products like the Pump Thermal Protector line (PTP), the dual port injector, the 6000 PSI Safety Valve, the Quick Disconnect Injector Line, and our new 6000 PSI flow switch
- State-of-the-art design support including 3D CAD modeling and ANSYS fluid and stress analysis software

In-House Design Support

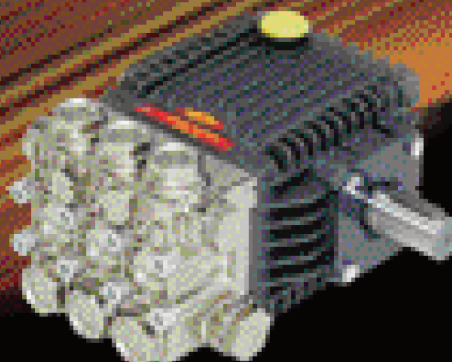
- Dedicated engineering resources for product customization and design support
- Dedicated prototype shop ensures timely turnaround of new products
- In-house machine design has provided General Pump's manufacturing department with innovative assembly work stations

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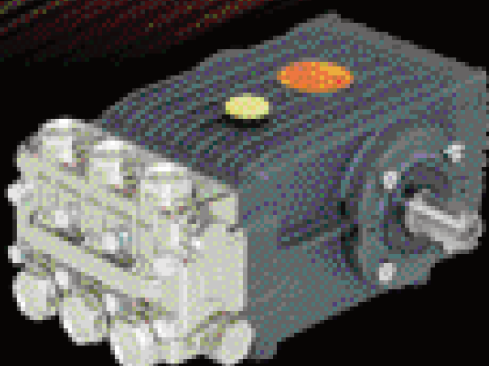




HTF SERIES (66HT) - Designed for use in prep units, conveyor and multiple gun applications. Excellent for carpet cleaning and for use in industrial plant systems where hot water is required.



HTX SERIES (63HT) - Specifically designed to handle the rigorous duty cycles, high temperatures and chemicals associated with self-service car wash applications. Also ideal for use in carpet cleaning and other high pressure cleaning applications. This pump offers a compact and economical design.



HTS SERIES (47HT) - Specifically designed to handle the rigorous duty cycles, high temperatures and chemicals associated with self-service car wash applications. Also ideal for use in carpet cleaning and other high pressure cleaning applications.



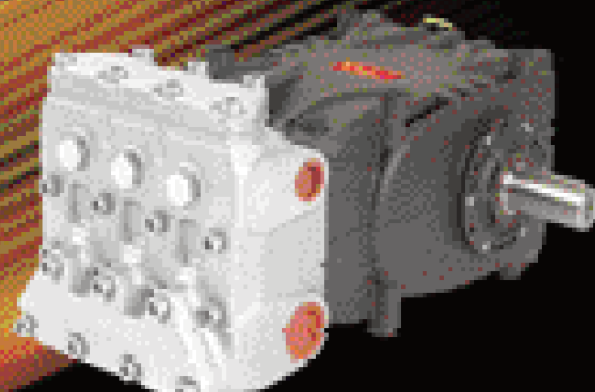
HTW SERIES (69HT) - Designed for touchless car wash systems, multiple gun systems and industrial plant systems where hot water is required.



HTCK (3623S) - Designed specifically for use in rollover car wash systems and other industrial plant systems where hot water is required.



HTC SERIES (60HT) - Ideal for use in carpet cleaning and other high pressure cleaning applications. This pump offers a compact and economical design.



HTCK (4050S) - Featuring General Pump's patented HT Technology. Ideal for use in rollover car washes and other industrial plant systems where hot water is required.

THE EMPEROR LINE OF PUMPS WITH HT TECHNOLOGY



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PRESSURE CLEANING



Automotive

- Municipal vehicle maintenance
- Bug and tar removal
- General exterior cleaning

Surface cleaning

- Sidewalks
- Driveways

Household exterior cleaning

- Mildew removal
- Storm cleanup
- Pool decks
- Gutter cleaning

Pre-painting surface preparation

- Surface cleaning
- Paint removal
- Wet-sandblasting

Heavy equipment maintenance

- Dirt and mud removal
- Grease and oil removal
- Parts washing

Contract cleaning

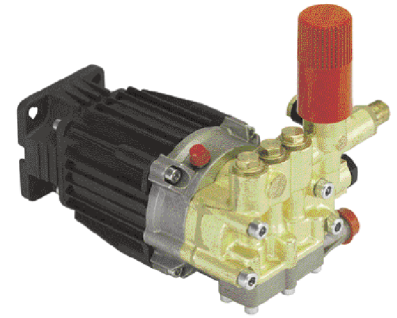
- Building exterior cleaning
- Sidewalk cleaning
- Driveway cleaning
- Deck cleaning
- Restaurant kitchen cleaning
- Hood and duct cleaning
- Mobile vehicle wash
- Ice abatement
- Wet sandblasting
- General cleaning

PRESSURE CLEANING PUMPS

Radial Axial, Horizontal Pump, Flanged for Direct Couple to Gasoline Engines – Forged Brass Manifold with built-in trapped pressure unloader and injector.

Max. Inlet Pressure: 80 PSI Max. Fluid Temperature: 140° F Inlet Port Thread: 1/2" - 14 BSP-M
Discharge Port Thread: 3/8" - 19 BSP-M Shaft Diameter: .750 in./19 mm
Pump Dimensions: 8.875" x 7.0" x 8.25" Crankcase Oil Capacity: 6.75 oz. Product Group: U

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
CPH2525UI	2.5 GPM	2500 PSI	3600 RPM	.591 in./15 mm	.218 in./5.53 mm	6.4 GHP	13.1 lbs.
CPH2530UI	3.0 GPM	2500 PSI	3600 RPM	.591 in./15 mm	.254 in./6.46 mm	7.7 GHP	13.1 lbs.

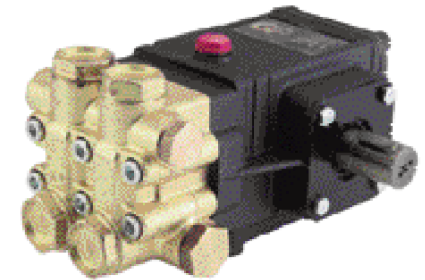


CPH2525UI

T Series 49, Duplex Plunger Pump, Solid Shaft – Duplex pulsing action for improved impacted cleaning, ideal for drain cleaning and jetting applications. Forged brass manifold with an exclusive lifetime warranty.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .625 in./16 mm I.D.
Pump Dimensions: 8.8" x 6.8" x 5.4" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)
Crankcase Oil Capacity: 10.1 oz. Product Group: U

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T9721B	2.1 GPM	1000 PSI	1750 RPM	.787 in./20 mm	.307 in./7.8 mm	1.4 EBHP	11.0 lbs.
T721B	2.2 GPM	1200 PSI	1450 RPM	.787 in./20 mm	.374 in./9.5 mm	1.8 EBHP	11.0 lbs.
T9731B	2.85 GPM	1000 PSI	1750 RPM	.787 in./20 mm	.414 in./10.5 mm	2.0 EBHP	11.0 lbs.
T731B	3.0 GPM	1200 PSI	1450 RPM	.787 in./20 mm	.472 in./12.0 mm	2.5 EBHP	11.0 lbs.
T731B	3.5 GPM	1000 PSI	1750 RPM	.787 in./20 mm	.472 in./12.0 mm	2.4 EBHP	11.0 lbs.

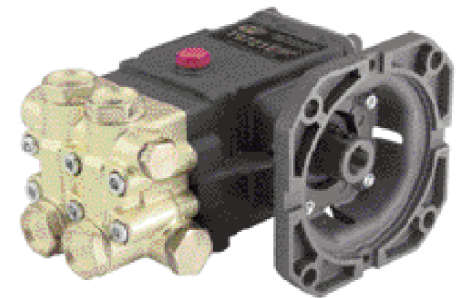


T721B

T Series 49, Duplex Plunger Pump, Hollow Shaft, NEMA 56 C Flange for Direct Couple to Electric Motors – Duplex pump specifically designed for the demands of the water jetting industry. Forged brass manifold with an exclusive lifetime warranty.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .625 in./16 mm I.D.
Pump Dimensions: 8.8" x 6.8" x 5.4" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)
Crankcase Oil Capacity: 10.1 oz. Product Group: U

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T9711EBF	1.70 GPM	1500 PSI	1750 RPM	.787 in./20 mm	.260 in./6.6 mm	1.7 EBHP	16.0 lbs.
T9721EBF	2.11 GPM	1500 PSI	1750 RPM	.787 in./20 mm	.307 in./7.8 mm	2.2 EBHP	16.0 lbs.
T9731EBF	2.85 GPM	1500 PSI	1750 RPM	.787 in./20 mm	.413 in./10.5 mm	2.9 EBHP	16.0 lbs.

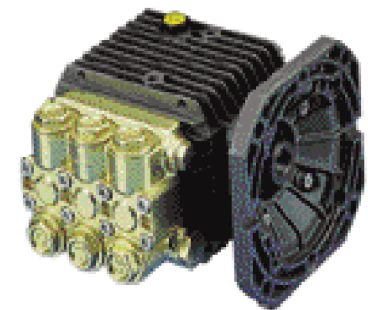


T9721EBF

TT Series 51, Triplex Plunger Pump, Hollow Shaft, Flanged for Direct Couple to Electric Motors (NEMA-56C) – Ideal for all general cleaning and misting applications. Forged brass manifold with exclusive lifetime warranty.

Max. Inlet Pressure: 80 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 3/8" - 19 BSP-F
Discharge Port Thread: 1/4" - 19 BSP-F Shaft Diameter: .625 in./16 mm
Pump Dimensions: 7.0" x 7.2" x 5.5" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)
Crankcase Oil Capacity: 11.2 oz. Product Group: U

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TT15025EBF	0.25 GPM	1500 PSI	1750 RPM	.591 in./15 mm	.079 in./2.0 mm	0.25 EBHP	11.5 lbs.
TT1505EBF	0.5 GPM	1500 PSI	1750 RPM	.709 in./18 mm	.079 in./2.0 mm	0.5 EBHP	11.5 lbs.
TT2021EBF	2.1 GPM	2000 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	2.9 EBHP	11.5 lbs.
T9051EBF	2.11 GPM	1500 PSI	1750 RPM	.591 in./15 mm	.370 in./9.4 mm	2.2 EBHP	11.5 lbs.
TT9061EBF	2.11 GPM	1500 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	2.2 EBHP	11.5 lbs.
TT2028EBF	2.8 GPM	2000 PSI	3400 RPM	.591 in./15 mm	.260 in./6.6 mm	3.8 EBHP	11.5 lbs.
TT9071EBF	2.8 GPM	1500 PSI	3400 RPM	.591 in./15 mm	.260 in./6.6 mm	2.9 EBHP	11.5 lbs.
TT9111EBF	3.0 GPM	1500 PSI	1750 RPM	.709 in./18 mm	.370 in./9.4 mm	3.1 EBHP	11.5 lbs.

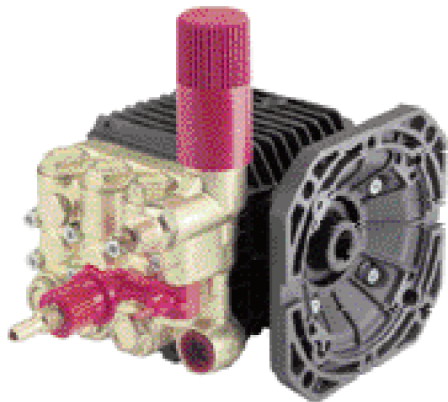


TT1505EBF

Shaft: 3/4 in./19 mm

TT2035EBF	3.5 GPM	2000 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	4.8 EBHP	11.5 lbs.
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PRESSURE CLEANING PUMPS



TT9061EBFUI

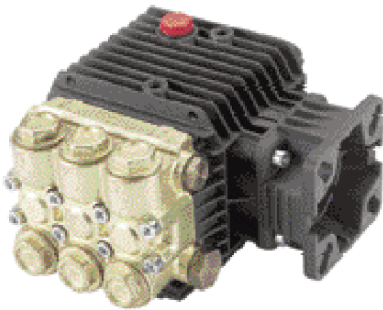
TT Series 51, Triplex Plunger Pump with Built-in Unloader, Hollow Shaft, Flanged for Direct Couple to Electric Motors (NEMA-56C). Ideal for all general cleaning and misting applications. Forged brass manifold with exclusive lifetime warranty.

Max. Inlet Pressure: 80 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-M
Discharge Port Thread: 3/8" - 19 BSP-M Shaft Diameter: .625 in./16 mm
Pump Dimensions: 7.0" x 7.2" x 8.0" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)
Crankcase Oil Capacity: 11.2 oz. Product Group: U

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T9051EBFU	2.11 GPM	1500 PSI	1750 RPM	.591 in./15 mm	.370 in./9.4 mm	2.2 EBHP	12.0 lbs.
TT9061EBFU	2.11 GPM	1500 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	2.2 EBHP	12.0 lbs.
TT9071EBFU	2.8 GPM	1500 PSI	3400 RPM	.591 in./15 mm	.260 in./6.6 mm	2.9 EBHP	12.0 lbs.

Pump with Built-in Unloader and Downstream Injector

TT9061EBFUI	2.11 GPM	1500 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	2.2 EBHP	12.0 lbs.
T9051EBFUI	2.11 GPM	1500 PSI	1750 RPM	.591 in./15 mm	.370 in./9.4 mm	2.2 EBHP	12.0 lbs.
TT9071EBFUI	2.8 GPM	1500 PSI	3400 RPM	.591 in./15 mm	.260 in./6.6 mm	2.9 EBHP	12.0 lbs.
TT2035EBFUI	3.5 GPM	2000 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	4.8 EBHP	12.0 lbs.



TT9061GBF

TT Series 51, Triplex Plunger Pump, Hollow Shaft, SAE J609A Flanged for Direct Couple to Gasoline Engines – Ideal for all general cleaning applications. Forged brass manifold with an exclusive lifetime warranty.

Max. Inlet Pressure: 80 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 3/8" - 19 BSP-F
Discharge Port Thread: 1/4" - 19 BSP-F Shaft Diameter: .750 in./19 mm
Pump Dimensions: 7.2" x 7.2" x 5.5" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)
Crankcase Oil Capacity: 11.2 oz. Product Group: U

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TT9061GBF	2.11 GPM	1500 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	3.3 GHP	11.4 lbs.
TT2028GBF	2.8 GPM	2000 PSI	3400 RPM	.591 in./15 mm	.260 in./6.6 mm	5.8 GHP	11.4 lbs.
TT9071GBF	2.8 GPM	1500 PSI	3400 RPM	.591 in./15 mm	.260 in./6.6 mm	4.3 GHP	11.4 lbs.
TT2035GBF	3.5 GPM	2000 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	7.2 GHP	11.4 lbs.
TT1540GBF	4.0 GPM	1500 PSI	3400 RPM	.591 in./15 mm	.370 in./9.4 mm	6.2 GHP	11.4 lbs.



TT901

TT Series 51, Triplex Plunger Pump with Solid Shaft – Standard with 24 mm solid shaft for pulley mount or direct drive with flex coupler and bell housing. Ideal for all general cleaning applications. Forged brass manifold with an exclusive lifetime warranty.

Max. Inlet Pressure: 80 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 3/8" - 19 BSP-F
Discharge Port Thread: 1/4" - 19 BSP-F Shaft Diameter: .945 in./24 mm
Pump Dimensions: 7.0" x 6.9" x 5.1" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)
Crankcase Oil Capacity: 11.2 oz. Product Group: U

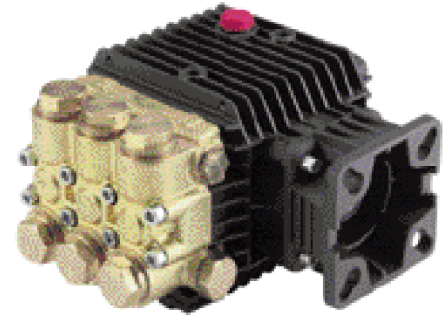
	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TT901	2.11 GPM	1500 PSI	2800 RPM	.591 in./15 mm	.236 in./6.0 mm	2.2 EBHP	11.2 lbs.
TT951	2.5 GPM	1500 PSI	2800 RPM	.591 in./15 mm	.283 in./7.2 mm	2.6 EBHP	11.2 lbs.
TT931	2.9 GPM	1500 PSI	2800 RPM	.591 in./15 mm	.315 in./8.0 mm	3.0 EBHP	11.2 lbs.
TT9111	3.0 GPM	1500 PSI	1750 RPM	.780 in./18 mm	.370 in./9.4 mm	3.1 EBHP	11.2 lbs.
TT941	3.43 GPM	1500 PSI	2800 RPM	.591 in./15 mm	.370 in./9.4 mm	3.5 EBHP	11.2 lbs.

PRESSURE CLEANING PUMPS

TP Series 51, Triplex Plunger Pump, Hollow Shaft, Flanged for Direct Couple to Gasoline Engines – New, oversized connecting rods for ultimate crankcase performance. Forged brass manifold with an exclusive lifetime warranty.

Max. Inlet Pressure: 80 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 3/8" - 19 BSP-F Discharge Port Thread: 1/4" - 19 BSP-F Shaft Diameter: .750 in./19 mm Pump Dimensions: 7.0" x 7.2" x 5.5" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg) Crankcase Oil Capacity: 11.0 oz. Product Group: U

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TP2520J34	1.9 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	4.9 GHP	11.4 lbs.
TP2526J34	2.6 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.260 in./6.6 mm	6.7 GHP	11.4 lbs.
TP2530J34	2.88 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.283 in./7.2 mm	7.4 GHP	11.4 lbs.
TP2533J34	3.3 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	8.5 GHP	11.4 lbs.



TP2520J34

TP Series 51, Triplex Plunger Pump with Built-in Unloader and Downstream Injector, Hollow Shaft, Flanged for Direct Couple to Gasoline Engines.

Inlet Port Thread: 1/2" - 14 BSP-F Discharge Port Thread: 3/8" - 19 BSP-M

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TP2520J34UIL	1.9 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	4.9 GHP	11.4 lbs.
TP2526J34UIL	2.6 GPM	2700 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	7.2 GHP	11.4 lbs.
TP2530J34UIL	2.88 GPM	2700 PSI	3400 RPM	.591 in./15 mm	.283 in./7.2 mm	8.0 GHP	11.4 lbs.
TP2533J34UIL	3.3 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	8.5 GHP	11.4 lbs.

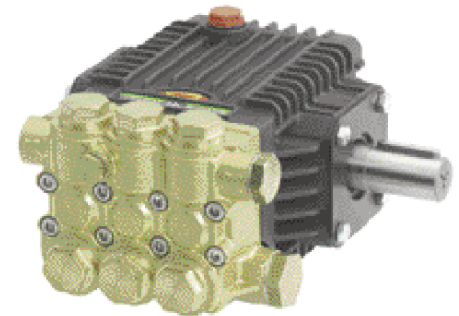


TP2530J34UIL

TC Series 60, Triplex Plunger Pump, Compact Design, Solid Shaft – New long life low-pressure seal, oversized bearings and sight glass. Forged brass manifold with an exclusive lifetime warranty.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm Gauge Port: 1/8" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg) Pump Dimensions: 7.6" x 8.0" x 4.9" Crankcase Oil Capacity: 11.8 oz. Product Group: U

	GPM	PSI	RPM	BORE	STROKE	SHP HP	WGHT
TC1509S17	1.75 GPM	2500 PSI	1450 RPM	.591 in./15 mm	.370 in./9.4 mm	3.0 EBHP	15.2 lbs.
TC1509S17	2.10 GPM	2500 PSI	1750 RPM	.591 in./15 mm	.370 in./9.4 mm	3.6 EBHP	15.2 lbs.
TC1511S17	2.10 GPM	2500 PSI	1450 RPM	.591 in./15 mm	.453 in./11.5 mm	3.6 EBHP	15.2 lbs.
TC1809S17	2.50 GPM	2200 PSI	1450 RPM	.709 in./18 mm	.370 in./9.4 mm	3.77 EBHP	15.2 lbs.
TC1511S17	2.60 GPM	2500 PSI	1750 RPM	.591 in./15 mm	.453 in./11.5 mm	4.45 EBHP	15.2 lbs.
TC1809S17	3.10 GPM	2200 PSI	1750 RPM	.709 in./18 mm	.370 in./9.4 mm	4.67 EBHP	15.2 lbs.
TC1811S17	3.25 GPM	2200 PSI	1450 RPM	.709 in./18 mm	.453 in./11.5 mm	4.9 EBHP	15.2 lbs.
TC1811S17	3.90 GPM	2200 PSI	1750 RPM	.709 in./18 mm	.453 in./11.5 mm	5.88 EBHP	15.2 lbs.

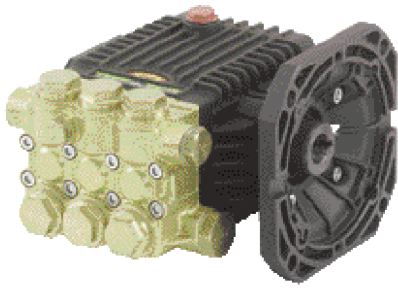


TC1509S17

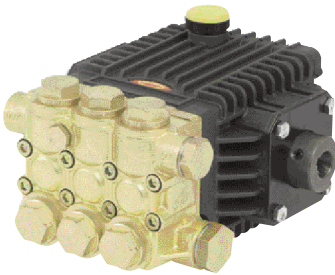
Max. Inlet Required: Flooded

TC1507S34	3.0 GPM	2700 PSI	3400 RPM	.591 in./15 mm	.283 in./7.2 mm	5.55 EBHP	15.2 lbs.
TC1508S34	3.3 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	5.65 EBHP	15.2 lbs.

PRESSURE CLEANING PUMPS



TC1508E175



TC1809E17N



TC1506G



TC1506GUI

TC Series 60, Triplex Plunger Pump, Compact Design, 5/8" Hollow Shaft, Flanged for Direct Couple to Electric Motors (NEMA 56C) – New long life low-pressure seal, oversized bearings and sight glass. Forged brass manifold with an exclusive lifetime warranty.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .625 in./16 mm Gauge Port: 1/8" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg) Pump Dimensions: 7.8" x 7.3" x 5.5" Crankcase Oil Capacity: 11.8 oz. Product Group: U

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TC1508E175	1.75 GPM	2500 PSI	1750 RPM	.591 in./15 mm	.315 in./8.0 mm	3.0 EBHP	15.1 lbs.
TC1509E175	2.10 GPM	2500 PSI	1750 RPM	.591 in./15 mm	.370 in./9.4 mm	3.6 EBHP	15.1 lbs.
TC1809E175	3.10 GPM	2200 PSI	1750 RPM	.709 in./18 mm	.370 in./9.4 mm	4.7 EBHP	15.1 lbs.

Max. Inlet Vacuum: Flooded

TC1504E345	1.75 GPM	2700 PSI	3400 RPM	.591 in./15 mm	.158 in./4.0 mm	3.2 EBHP	15.1 lbs.
TC1505E345	2.1 GPM	2700 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	3.88 EBHP	15.1 lbs.
TC1506E345	2.6 GPM	2700 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	4.81 EBHP	15.1 lbs.
TC1507E345	3.0 GPM	2700 PSI	3400 RPM	.591 in./15 mm	.283 in./7.2 mm	5.55 EBHP	15.1 lbs.

No Flange for Direct Couple to Motor

TC1509E17N	2.1 GPM	2500 PSI	1750 RPM	.591 in./15 mm	.370 in./9.4 mm	3.6 EBHP	15.1 lbs.
TC1809E17N	3.1 GPM	2200 PSI	1750 RPM	.708 in./18 mm	.370 in./9.4 mm	4.7 EBHP	15.1 lbs.

TC Series 60, Triplex Plunger Pump, Compact Design, 3/4" Hollow Shaft 56C Flange for Direct Coupling to Modified 56C Electric Motors.

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TC1506E346	2.6 GPM	2700 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	4.81 EBHP	15.1 lbs.
TC1507E346	3.0 GPM	2700 PSI	3400 RPM	.591 in./15 mm	.283 in./7.2 mm	5.55 EBHP	15.1 lbs.
TC1508E346	3.3 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	5.65 EBHP	15.1 lbs.

TC Series 60, Triplex Plunger Pump, Compact Design, 3/4" Hollow Shaft, Flanged for Direct Couple to Gasoline Engines (SAE J609A) – New long life low-pressure seal, oversized bearings and sight glass. Forged brass manifold with an exclusive lifetime warranty.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .750 in./19 mm Gauge Port: 1/8" Max. Inlet Required: Flooded Pump Dimensions: 7.6" x 7.6" x 5.1" Crankcase Oil Capacity: 11.8 oz. Product Group: U

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TC1506G	2.6 GPM	2700 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	7.21 GHP	14.6 lbs.
TC1507G	3.0 GPM	2700 PSI	3400 RPM	.591 in./15 mm	.283 in./7.2 mm	8.32 GHP	14.6 lbs.
TC1508G	3.3 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	8.48 GHP	14.6 lbs.
TC1509G	4.0 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.370 in./9.4 mm	10.27 GHP	14.6 lbs.

TC Series 60, Triplex Plunger Pump, Compact Design, 3/4" Hollow Shaft, Flanged for Direct Couple to Gasoline Engines (SAE J609A) – Exclusive premium built-in trapped pressure unloader on the left side of manifold, new long life low-pressure seal, oversized bearings and sight glass. Forged brass manifold with an exclusive lifetime warranty.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .750 in./19 mm Gauge Port: 1/8" Max. Inlet Required: Flooded Pump Dimensions: 10.4" x 8.0" x 7.7" Crankcase Oil Capacity: 11.8 oz. Product Group: U

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TC1506GUI	2.6 GPM	2700 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	7.21 GHP	16.0 lbs.
TC1507GUI	3.0 GPM	2700 PSI	3400 RPM	.591 in./15 mm	.283 in./7.2 mm	8.32 GHP	16.0 lbs.
TC1508GUI	3.3 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	8.48 GHP	16.0 lbs.
TC1509GUI	4.0 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.370 in./9.4 mm	10.27 GHP	16.0 lbs.

PRESSURE CLEANING PUMPS

TX Series 63, Triplex Plunger Pump, Solid Shaft – Large, lightweight connecting rods, new long life low and high pressure seals, oversized roller bearings and dual sight glasses. Forged brass manifold with an exclusive lifetime warranty.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm
Pump Dimensions: 8.4" x 8.3" x 4.8" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)
Crankcase Oil Capacity: 14 oz. Product Group: W

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TX1512S17	2.1 GPM	3000 PSI	1450 RPM	.591 in./15 mm	.472 in./12 mm	4.3 EBHP	19.0 lbs.
TX1512S17	2.6 GPM	3000 PSI	1750 RPM	.591 in./15 mm	.472 in./12 mm	5.3 EBHP	19.0 lbs.
TX1810S17	2.7 GPM	2000 PSI	1450 RPM	.709 in./18 mm	.394 in./10 mm	3.7 EBHP	19.0 lbs.
TX1810S17	3.1 GPM	2000 PSI	1750 RPM	.709 in./18 mm	.394 in./10 mm	4.2 EBHP	19.0 lbs.
TX1812S17	3.2 GPM	2000 PSI	1450 RPM	.709 in./18 mm	.472 in./12 mm	4.4 EBHP	19.0 lbs.
TX1812S17	3.8 GPM	2000 PSI	1750 RPM	.709 in./18 mm	.472 in./12 mm	5.2 EBHP	19.0 lbs.
Max. Inlet Vacuum: Flooded							
TX1506S34	2.6 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	5.3 EBHP	19.0 lbs.
TX1508S34	3.0 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	6.2 EBHP	19.0 lbs.
TX1510S34	4.0 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.394 in./10 mm	8.2 EBHP	19.0 lbs.



TX1812S17

TX Series 63, Triplex Plunger Pump with 1.125" Hollow Shaft, Flanged for Direct Couple to NEMA 184TC Electric Motor – Large, lightweight connecting rods, new long life low-and high-pressure seals, oversized roller bearings and dual sight glasses. Forged brass manifold with an exclusive lifetime warranty.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: 1.125 in./28.5 mm
Pump Dimensions: 8.6" x 7.9" x 5.7" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)
Crankcase Oil Capacity: 14 oz. Product Group: W

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TX1510E349	2.1 GPM	3000 PSI	1750 RPM	.591 in./15 mm	.394 in./10 mm	4.3 EBHP	18.0 lbs.
TX1512E179	2.6 GPM	3000 PSI	1750 RPM	.591 in./15 mm	.472 in./12 mm	5.3 EBHP	18.0 lbs.
TX1810E179	3.2 GPM	2000 PSI	1750 RPM	.708 in./18 mm	.394 in./10 mm	4.4 EBHP	18.0 lbs.
TX1812E179	3.8 GPM	2000 PSI	1750 RPM	.708 in./18 mm	.472 in./12 mm	5.2 EBHP	18.0 lbs.



TX1506G6

Max. Inlet Required: Flooded

TX1510E349	4.0 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.394 in./10 mm	8.2 EBHP	18.0 lbs.
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TX Series 63, Triplex Plunger Pump, 3/4" Hollow Shaft, Flanged for Direct Couple to Gasoline Engines (SAE J609B) – Large, lightweight connecting rods, new long life low-and high-pressure seals, oversized roller bearings and dual sight glasses. Forged brass manifold with an exclusive lifetime warranty.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .750 in./19 mm
Pump Dimensions: 8.4" x 8.3" x 4.8" Max. Inlet Required: Flooded Crankcase Oil Capacity: 14 oz.
Product Group: W

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TX1505G6	2.0 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.197 in./5.0 mm	6.2 GHP	18.0 lbs.
TX1506G6	2.6 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	8.0 GHP	18.0 lbs.
TX1508G6	3.0 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	9.2 GHP	18.0 lbs.



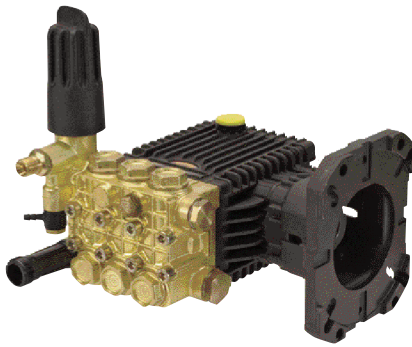
TX1506G8

TX Series 63, Triplex Plunger Pump, 1" Hollow Shaft, Flanged for Direct Couple to Gasoline Engines (SAE J609B) – Large, lightweight connecting rods, new long life low-and high-pressure seals, oversized roller bearings and dual sight glasses. Forged brass manifold with an exclusive lifetime warranty.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: 1.0 in./25.4 mm
Pump Dimensions: 8.4" x 8.3" x 4.8" Max. Inlet Required: Flooded Crankcase Oil Capacity: 14 oz.
Product Group: W

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TX1506G8	2.6 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	8.0 GHP	18.0 lbs.
TX1508G8	3.0 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	9.2 GHP	18.0 lbs.
TX1509G8	3.5 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.355 in./9.0 mm	10.8 GHP	18.0 lbs.
TX1510G8	4.0 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.394 in./10 mm	12.3 GHP	18.0 lbs.

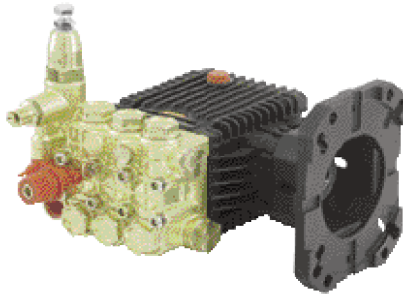
PRESSURE CLEANING PUMPS



TX1508G8UI

TX Series 63, Triplex Plunger Pump with Built-in Unloader and Downstream Injector on the left side of the manifold, 1" Hollow Shaft, Flanged for Direct Couple to Gasoline Engines (SAE J609B) – Large, lightweight connecting rods, new long life low-and high-pressure seals, oversized roller bearings and dual sight glasses. Forged brass manifold with an exclusive lifetime warranty.
Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-M Shaft Diameter: 1.0 in./25.4 mm
Pump Dimensions: 8.4" x 8.3" x 4.8" Max. Inlet Required: Flooded
Crankcase Oil Capacity: 14 oz. Product Group: W

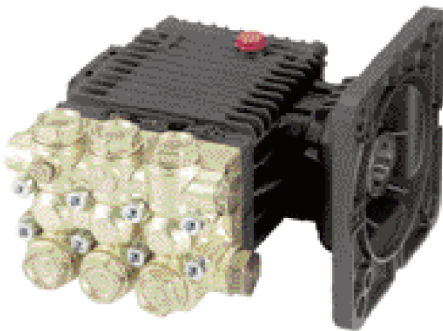
TX1506G8UI	2.6 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	8.0 GHP	18.2 lbs.
TX1508G8UI	3.0 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	9.2 GHP	18.2 lbs.
TX1509G8UI	3.5 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.355 in./9.0 mm	10.8 GHP	18.2 lbs.
TX1510G8UI	4.0 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.394 in./10 mm	12.3 GHP	18.2 lbs.



TX1506G8UK

Pump with Built-in Flow Sensitive Unloader and Fixed Downstream Injector

TX1506G8UK	2.6 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.256 in./6.5 mm	8.0 GHP	18.2 lbs.
TX1508G8UK	3.0 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.315 in./8.0 mm	9.2 GHP	18.2 lbs.
TX1509G8UK	3.5 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.355 in./9.0 mm	10.8 GHP	18.2 lbs.
TX1510G8UK	4.0 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.394 in./10 mm	12.3 GHP	18.2 lbs.



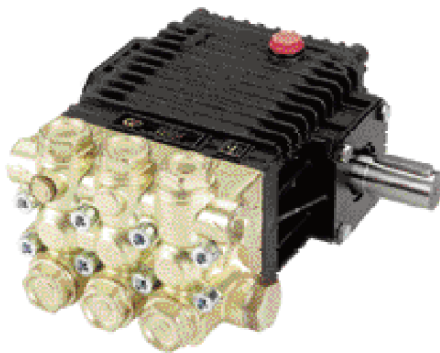
EZ2536E

EZ Series 44, Triplex Plunger Pump with Hollow Shaft, Flanged for Direct Couple to Electric Motors (NEMA-184TC) – Forged brass manifold with an exclusive lifetime warranty.
Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: 1.125 in./28.5 mm
Pump Dimensions: 8.8" x 8.8" x 6.3" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)
Crankcase Oil Capacity: 14.0 oz. Product Group: W

	GPM	PSI	RPM	BORE	STROKE	HP	SHW WTGHT
EZ2536E	3.6 GPM	2500 PSI	1750 RPM	.708 in./18 mm	.433 in./11 mm	6.2 EBHP	18.5 lbs.
EZ2542E	4.2 GPM	2500 PSI	1750 RPM	.708 in./18 mm	.512 in./13 mm	7.2 EBHP	18.5 lbs.
EZ2545E	4.6 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.433 in./11 mm	7.9 EBHP	18.5 lbs.
EZ2555E	5.5 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.512 in./13 mm	9.4 EBHP	18.5 lbs.
EZ4035E34	3.5 GPM	4000 PSI	3400 RPM	.512 in./13 mm	.433 in./11 mm	9.6 EBHP	18.5 lbs.
EZ4040E34	4.0 GPM	4000 PSI	3400 RPM	.512 in./13 mm	.512 in./13 mm	11.0 EBHP	18.5 lbs.

Pump Includes Unloader and Downstream Injector

EZ2536EUI	3.6 GPM	2500 PSI	1750 RPM	.708 in./18 mm	.433 in./11 mm	6.2 EBHP	18.5 lbs.
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EZ2542S

EZ Series 44, Triplex Plunger Pump with Solid Shaft – Forged brass manifold with an exclusive lifetime warranty. Flex coupling and bell housing available for direct drive.
Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm
Pump Dimensions: 8.6" x 8.7" x 5.5" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)
Crankcase Oil Capacity: 14.0 oz. Product Group: W

	GPM	PSI	RPM	BORE	STROKE	HP	SHW WTGHT
EZ2536S	3.6 GPM	2500 PSI	1750 RPM	.708 in./18 mm	.433 in./11 mm	6.2 EBHP	18.0 lbs.
EZ3040S	4.0 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.374 in./9.5 mm	8.2 EBHP	18.0 lbs.
EZ2542S	4.2 GPM	2500 PSI	1750 RPM	.708 in./18 mm	.512 in./13 mm	7.2 EBHP	18.0 lbs.
EZ2545S	4.6 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.433 in./11 mm	7.9 EBHP	18.0 lbs.
EZ2555S	5.5 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.512 in./13 mm	9.4 EBHP	18.0 lbs.

Premium Roller Bearings

EZ3042S	4.2 GPM	3000 PSI	1750 RPM	.708 in./18 mm	.512 in./13 mm	8.6 EBHP	18.0 lbs.
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Pump Includes Built-in Unloader and Downstream Injector

EZ2530SUI	3.0 GPM	2500 PSI	1750 RPM	.591 in./15 mm	.512 in./13 mm	5.1 EBHP	19.0 lbs.
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PRESSURE CLEANING PUMPS

EZ Series 44, Triplex Plunger Pump with Hollow Shaft, Flanged for Direct Couple to Gasoline Engines (SAE J609B) – Forged brass manifold with an exclusive lifetime warranty. Flanged for mounting on up to 13 horsepower engines.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F

Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: 1.0 in./25.4 mm

Pump Dimensions: 8.8" x 9.7" x 6.5" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)

Crankcase Oil Capacity: 14.0 oz. Product Group: W

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
EZ3030G34	3.0 GPM	3200 PSI	3400 RPM	.591 in./15 mm	.299 in./7.6 mm	9.9 GHP	19.1 lbs.
EZ3035G	3.5 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.335 in./8.5 mm	10.8 GHP	19.1 lbs.
EZ3040G	4.0 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.374 in./9.5 mm	12.3 GHP	19.1 lbs.
EZ3045G	4.6 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.433 in./11 mm	14.2 GHP	19.1 lbs.

Max. Inlet Required: Flooded

EZ4030G34	3.0 GPM	4000 PSI	3400 RPM	.512 in./13 mm	.374 in./9.5 mm	12.3 GHP	20.0 lbs.
EZ4035G34	3.5 GPM	4000 PSI	3400 RPM	.512 in./13 mm	.433 in./11 mm	14.4 GHP	20.0 lbs.
Shaft set screw for gasoline engines							
EZ4040G	4.0 GPM	4000 PSI	3400 RPM	.512 in./13 mm	.512 in./13 mm	16.4 GHP	20.0 lbs.

Pump with Built-in Unloader and Fixed Downstream Injector

EZ3030G34UI	3.0 GPM	3500 PSI	3400 RPM	.591 in./15 mm	.299 in./7.6 mm	10.8 GHP	19.3 lbs.
EZ3035GUI	3.5 GPM	3500 PSI	3400 RPM	.591 in./15 mm	.335 in./8.5 mm	12.6 GHP	19.3 lbs.
EZ3040GUI	4.0 GPM	3500 PSI	3400 RPM	.591 in./15 mm	.374 in./9.5 mm	14.4 GHP	19.3 lbs.
EZ2545GUI	4.6 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.433 in./11 mm	11.8 GHP	19.3 lbs.

Pump with Built-in Flow Sensitive Unloader and Fixed Downstream Injector

EZ3035GUK	3.5 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.335 in./8.5 mm	10.8 GHP	19.3 lbs.
EZ3040GUK	4.0 GPM	3000 PSI	3400 RPM	.591 in./15 mm	.374 in./9.5 mm	12.3 GHP	19.3 lbs.

T Series 50, Triplex Plunger Pump with Solid Shaft – Forged brass manifold with an exclusive lifetime warranty. Flex coupling and bell housing available for direct drive. Solid ceramic plungers with continuously lubricated packings.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F

Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm

Pump Dimensions: 9.3" x 8.3" x 5.4" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)

Crankcase Oil Capacity: 15.2 oz. Product Group: W

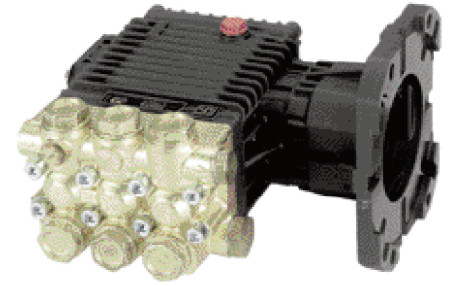
	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T991	3.5 GPM	1500 PSI	1450 RPM	.787 in./20 mm	.394 in./10 mm	3.6 EBHP	19.0 lbs.
T9951	3.5 GPM	1500 PSI	1750 RPM	.787 in./20 mm	.335 in./8.5 mm	3.6 EBHP	19.0 lbs.
TT9351	3.5 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.335 in./8.5 mm	6.0 EBHP	18.7 lbs.
T991	4.0 GPM	1100 PSI	1750 RPM	.787 in./20 mm	.394 in./10 mm	3.0 EBHP	19.0 lbs.
T9971	4.0 GPM	2000 PSI	1750 RPM	.787 in./20 mm	.394 in./10 mm	5.5 EBHP	19.0 lbs.
TT9441	4.4 GPM	2500 PSI	3400 RPM	.591 in./15 mm	.394 in./10 mm	7.5 EBHP	18.7 lbs.

T991 (100648) and T9951 (100656) with Teflon Packings

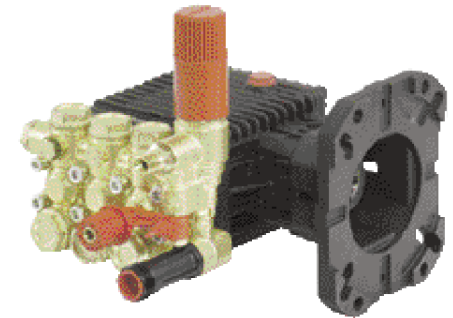
100648	3.5 GPM	1500 PSI	1450 RPM	.787 in./20 mm	.394 in./10 mm	3.6 EBHP	19.0 lbs.
100656	3.5 GPM	1500 PSI	1750 RPM	.787 in./20 mm	.335 in./8.5 mm	3.6 EBHP	19.0 lbs.

Pump with Gearbox

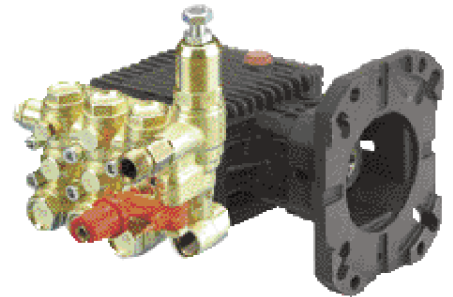
T991GR	3.5 GPM	1500 PSI	3400 RPM	.787 in./20 mm	.394 in./10 mm	5.4 GHP	24.0 lbs.
T9971GR	3.5 GPM	2000 PSI	3400 RPM	.787 in./20 mm	.394 in./10 mm	7.2 GHP	24.0 lbs.



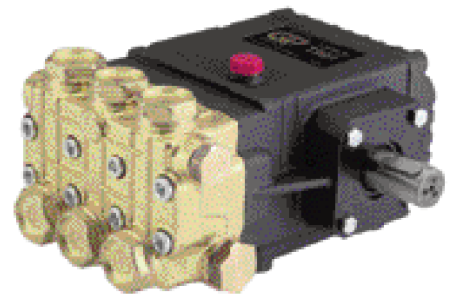
EZ3040G



EZ3040GUI

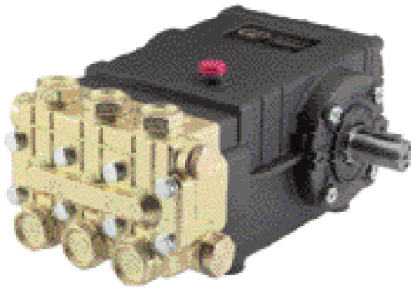


EZ3035GUK



T991

PRESSURE CLEANING PUMPS



TS1331

T Series 47, Triplex Plunger Pump, Solid Shaft – Forged brass manifold with an exclusive lifetime warranty. Heavy-duty tapered roller bearings and oversized connecting rods for maximum life.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F

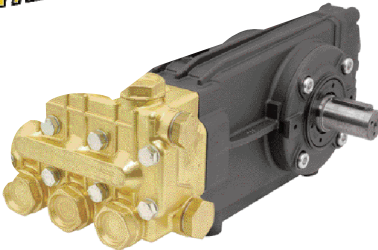
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm

Pump Dimensions: 12.2" x 9.2" x 6.9" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)

Crankcase Oil Capacity: 33.8 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TS1331	3.5 GPM	2100 PSI	1450 RPM	.787 in./20 mm	.394 in./10 mm	5.0 EBHP	32.0 lbs.
TS1011	4.0 GPM	2000 PSI	1450 RPM	.787 in./20 mm	.472 in./12 mm	5.5 EBHP	32.0 lbs.
TS1331	4.0 GPM	2000 PSI	1750 RPM	.787 in./20 mm	.394 in./10 mm	5.5 EBHP	32.0 lbs.
T1011	4.5 GPM	2000 PSI	1125 RPM	.787 in./20 mm	.630 in./16 mm	6.2 EBHP	32.0 lbs.
TS1011*	4.75 GPM	1500 PSI	1750 RPM	.787 in./20 mm	.472 in./12 mm	4.9 EBHP	32.0 lbs.
TS921	4.75 GPM	1800 PSI	1450 RPM	.866 in./22 mm	.472 in./12 mm	5.9 EBHP	32.0 lbs.
T921	5.0 GPM	1700 PSI	1050 RPM	.866 in./22 mm	.630 in./16 mm	5.8 EBHP	32.0 lbs.
T1011	5.6 GPM	1500 PSI	1450 RPM	.787 in./20 mm	.630 in./16 mm	5.8 EBHP	32.0 lbs.

NOW AVAILABLE



TS1811

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F

Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm

Pump Dimensions: 12.6" x 9.2" x 6.9" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)

Crankcase Oil Capacity: 40.6 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TS1711*	3.5 GPM	2700 PSI	1450 RPM	.787 in./20 mm	.394 in./10 mm	6.5 EBHP	32.0 lbs.
TS1511*	4.0 GPM	3500 PSI	1450 RPM	.787 in./20 mm	.472 in./12 mm	9.6 EBHP	32.0 lbs.
TS1021	4.5 GPM	3000 PSI	1125 RPM	.787 in./20 mm	.630 in./16 mm	9.2 EBHP	32.0 lbs.
TS1321*	4.75 GPM	2100 PSI	1450 RPM	.866 in./22 mm	.472 in./12 mm	6.8 EBHP	32.0 lbs.
T1621	5.0 GPM	2500 PSI	1050 RPM	.866 in./22 mm	.630 in./16 mm	8.6 EBHP	32.0 lbs.
T1321	5.5 GPM	2100 PSI	1150 RPM	.866 in./22 mm	.630 in./16 mm	7.9 EBHP	32.0 lbs.
TS1021	5.6 GPM	1700 PSI	1450 RPM	.787 in./20 mm	.630 in./16 mm	6.5 EBHP	32.0 lbs.
TS1811	4.5 GPM	3500 PSI	1450 RPM	.787 in./20 mm	.551 in./14 mm	10.8 EBHP	32.0 lbs.
TS1811	4.0 GPM	3500 PSI	1290 RPM	.787 in./20 mm	.551 in./14 mm	10.0 EBHP	32.0 lbs.



T9281

T Series 47, Triplex Plunger Pump, Solid Shaft – Nickel-plated forged brass manifold with an exclusive lifetime warranty. Heavy-duty tapered roller bearings and oversized connecting rods for maximum life.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F

Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm

Pump Dimensions: 12.6" x 9.2" x 6.9" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)

Crankcase Oil Capacity: 40.6 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T9211	4.0 GPM	3000 PSI	1750 RPM	.787 in./20 mm	.394 in./10 mm	8.2 EBHP	32.0 lbs.
TS2011	4.0 GPM	3500 PSI	1450 RPM	.787 in./20 mm	.472 in./12 mm	9.6 EBHP	32.0 lbs.
TS2021	4.5 GPM	3500 PSI	1125 RPM	.787 in./20 mm	.630 in./16 mm	10.8 EBHP	32.0 lbs.
TS1621*	4.75 GPM	2500 PSI	1450 RPM	.866 in./22 mm	.472 in./12 mm	8.1 EBHP	32.0 lbs.
TS2011*	4.75 GPM	2300 PSI	1750 RPM	.787 in./20 mm	.394 in./12 mm	7.5 EBHP	32.0 lbs.
TS2021*	5.6 GPM	3500 PSI	1450 RPM	.787 in./20 mm	.630 in./16 mm	13.4 EBHP	32.0 lbs.
T9281	4.0 GPM	4000 PSI	1750 RPM	.630 in./16 mm	.630 in./16 mm	11.0 EBHP	33.0 lbs.

**Pumps are available with 1" Gearbox for mounting to J609B gas engines.*

PRESSURE CLEANING PUMPS

66 Series, Triplex Plunger Pump – Forged brass manifold with an exclusive lifetime warranty. Innovative seal design to extend seal life. Plunger design improves thermal shock resistance. New valve cap design improves hydrostatic performance.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 3/4" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm
Pump Dimensions: 13.27" x 9.6" x 6.23" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)
Crankcase Oil Capacity: 31.0 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TSF2019	6.3 GPM	3600 PSI	1450 RPM	.787 in./20 mm	.748 in./19 mm	15.5 EBHP	40.7 lbs.
TSF2021	7.0 GPM	3600 PSI	1450 RPM	.787 in./20 mm	.826 in./21 mm	17.3 EBHP	40.7 lbs.
TSF2019	7.6 GPM	3600 PSI	1750 RPM	.787 in./20 mm	.748 in./19 mm	18.7 EBHP	40.7 lbs.
TSF2219	7.7 GPM	3000 PSI	1450 RPM	.866 in./22 mm	.748 in./19 mm	15.8 EBHP	40.7 lbs.
TSF2021	8.5 GPM	3600 PSI	1750 RPM	.787 in./20 mm	.826 in./21 mm	21.0 EBHP	40.7 lbs.
TSF2221	8.5 GPM	3000 PSI	1450 RPM	.866 in./22 mm	.826 in./21 mm	17.5 EBHP	40.7 lbs.
TSF2219	9.3 GPM	3000 PSI	1750 RPM	.866 in./22 mm	.748 in./19 mm	19.1 EBHP	40.7 lbs.
TSF2421	10.0 GPM	2500 PSI	1450 RPM	.945 in./24 mm	.826 in./21 mm	17.1 EBHP	40.7 lbs.
TSF2221	10.2 GPM	3000 PSI	1750 RPM	.866 in./22 mm	.826 in./21 mm	21.0 EBHP	40.7 lbs.
TSF2421	12.0 GPM	2500 PSI	1750 RPM	.945 in./24 mm	.826 in./21 mm	20.5 EBHP	40.7 lbs.

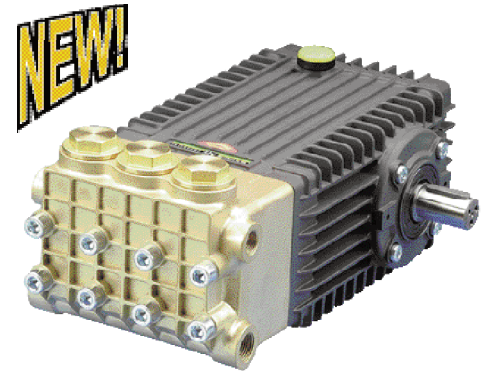


TSF2019

66 Series, Triplex Plunger Pump, High Pressure – Forged brass manifold with an exclusive lifetime warranty. Innovative seal design to extend seal life. Plunger design improves thermal shock resistance. New valve cap design improves hydrostatic performance.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm
Pump Dimensions: 13.84" x 9.8" x 7.7" Min. Inlet Pressure: 30 PSI
Crankcase Oil Capacity: 31.0 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TSP1619	3.6 GPM	7250 PSI	1450 RPM	.629 in./16 mm	.748 in./19 mm	17.8 EBHP	51.8 lbs.
TSP1619	4.3 GPM	5800 PSI	1750 RPM	.629 in./16 mm	.748 in./19 mm	17.8 EBHP	51.8 lbs.
TSP1621	4.3 GPM	6525 PSI	1450 RPM	.630 in./16 mm	.826 in./21 mm	17.1 EBHP	51.8 lbs.
TSP1819	5.0 GPM	5100 PSI	1450 RPM	.709 in./18 mm	.748 in./19 mm	17.1 EBHP	51.8 lbs.
TSP1821	5.5 GPM	5100 PSI	1450 RPM	.709 in./18 mm	.826 in./21 mm	18.8 EBHP	51.8 lbs.



TSP1619

T Series 69, Triplex Plunger Pump, Solid Shaft – The industry's choice for high-flow applications. Ball bearings and oversized connecting rods for maximum life.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 3/4" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: 1.378 in./35 mm
Pump Dimensions: 12.9" x 11.9" x 7.3" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)
Crankcase Oil Capacity: 50.7 oz. Product Group: Y

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TS1531	7.92 GPM	2175 PSI	1450 RPM	.787 in./20 mm	.866 in./22 mm	11.8 EBHP	46.0 lbs.
TS1041	8.0 GPM	1600 PSI	1450 RPM	.787 in./20 mm	.866 in./22 mm	8.8 EBHP	46.0 lbs.
T41	12.0 GPM	900 PSI	650 RPM	1.417 in./36 mm	.945 in./24 mm	7.4 EBHP	37.0 lbs.

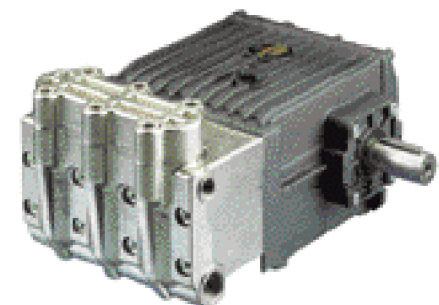


T41

T Series 76, Triplex Plunger Pump, Solid Shaft – Forged brass manifold with an exclusive lifetime warranty. The industry's choice for high-flow applications, oversized connecting rods for maximum life.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1" NPT-F
Discharge Port Thread: 1/2" NPT-F Shaft Diameter: 1.378 in./35 mm
Pump Dimensions: 15.6" x 14.0" x 9.5" Max. Inlet Vacuum: 7 ft. water (6.2 in. Hg)
Crankcase Oil Capacity: 91.0 oz. Product Group: Y

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T4251	6.6 GPM	5800 PSI	1000 RPM	.787 in./20 mm	1.102 in./28 mm	26.2 EBHP	160 lbs.
T1551	14.0 GPM	2175 PSI	1000 RPM	1.181 in./30 mm	1.102 in./28 mm	20.9 EBHP	93.0 lbs.



T4251

PRESSURE CLEANING PUMPS



T61

T Series 76, Triplex Plunger Pump, Solid Shaft – Forged brass manifold with an exclusive lifetime warranty. The industry's choice for high-flow applications, oversized connecting rods for maximum life.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1" - 11 BSP-F
Discharge Port Thread: 3/4" - 14 BSP-F Shaft Diameter: 1.378 in./35 mm
Pump Dimensions: 15.6" x 14.0" x 9.5" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)
Crankcase Oil Capacity: 91.0 oz. Product Group: Y

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T61	17.0 GPM	1000 PSI	650 RPM	1.772 in./45 mm	.945 in./24 mm	11.6 EBHP	92.0 lbs.
T81	21.0 GPM	1000 PSI	650 RPM	1.772 in./45 mm	1.102 in./28 mm	14.4 EBHP	92.0 lbs.

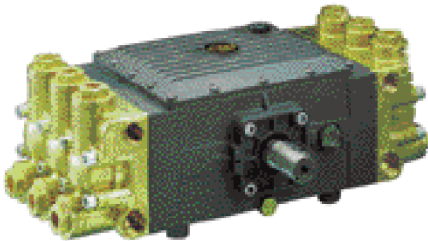


T1631

T Series 48, Sixplex Plunger Pump – Forged brass manifold with an exclusive lifetime warranty. Dual manifolds utilizing a common crankcase for efficient performance in high-flow applications.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: Dual 3/4" - 14 BSP-F
Discharge Port Thread: Dual 3/8" - 19 BSP-F Shaft Diameter: 1.26 in./32 mm
Pump Dimensions: 16.1" x 11.2" x 7.9" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)
Crankcase Oil Capacity: 54.0 oz. Product Group: Y

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T2031	9.0 GPM	3000 PSI	1140 RPM	.787 in./20 mm	.630 in./16 mm	18.5 EBHP	61.0 lbs.
T1631	10.0 GPM	2500 PSI	1080 RPM	.866 in./22 mm	.630 in./16 mm	17.1 EBHP	61.0 lbs.
T2031	11.0 GPM	2000 PSI	1450 RPM	.787 in./20 mm	.630 in./16 mm	15.1 EBHP	61.0 lbs.



T121

T Series 77, Sixplex Plunger Pump – Forged brass manifold with an exclusive lifetime warranty. Dual manifolds utilizing a common crankcase for efficient performance in high flow applications.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: Dual 1" - 11 BSP-F
Discharge Port Thread: Dual 3/4" - 14 BSP-F Shaft Diameter: 1.378 in./35 mm
Pump Dimensions: 22.1" x 14.0" x 9.7" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)
Crankcase Oil Capacity: 71.0 oz. Product Group: Y

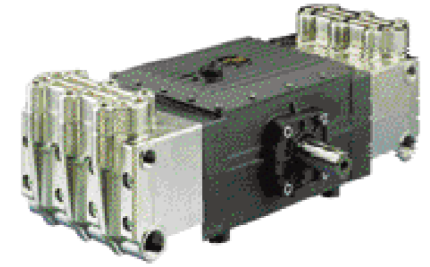
	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T1591	28.0 GPM	2175 PSI	1000 RPM	1.181 in./30 mm	1.102 in./28 mm	41.7 EBHP	156 lbs.
T121	35.0 GPM	1000 PSI	650 RPM	1.772 in./45 mm	.945 in./24 mm	24.0 EBHP	156 lbs.
T151	43.0 GPM	1000 PSI	650 RPM	1.772 in./45 mm	1.102 in./28 mm	29.5 EBHP	156 lbs.

PRESSURE CLEANING PUMPS

T Series 77, Sixplex Plunger Pump – Nickel-plated forged brass manifold with an exclusive lifetime warranty. Dual manifold utilizing a common crankcase for efficient performance. Unique “in-line” valve system for easy access and durability.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: Dual 1" - 11 BSP-F
Discharge Port Thread: Dual 1/2" - 14 BSP-F Shaft Diameter: 1.378 in./35 mm
Pump Dimensions: 25.2" x 14.0" x 10.0" Max. Inlet Vacuum: 7 ft. water (6.2 in. Hg)
Crankcase Oil Capacity: 71.0 oz. Product Group: Y

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
T3551	13.0 GPM	4350 PSI	1000 RPM	.787 in./20 mm	1.102 in./20 mm	38.7 EBHP	174 lbs.

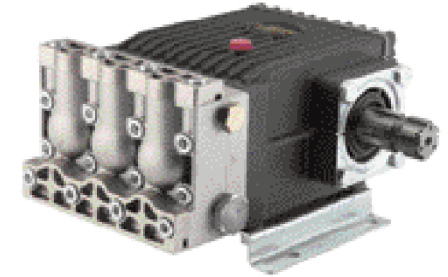


T3551

AT Series 75 Duplex Plunger Pump, Splined Shaft – Ideal for drain cleaning and jetting applications. Aluminum manifold and solid ceramic plungers with continuously lubricated packings. (All splined shaft pumps require additional components to attach to PTO Systems).

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 3/4" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: 1.375 in./34.9 mm ASAE
Pump Dimensions: 12" x 9" x 7.3" Product Group: Y

	GPM	PSI	RPM	BORE	STROKE	OIL CAPACITY	HP	SHP WGHT
AT0033	7.93 GPM	435 PSI	650 RPM	1.417 in./36 mm	.945 in./24 mm	22 oz.	2.4 EBHP	28.0 lbs.



AT0055

Shaft Diameter: 1.375 in./34.9 mm ASAE splined Pump Dimensions: 13" x 14" x 7.5"

	GPM	PSI	RPM	BORE	STROKE	OIL CAPACITY	HP	SHP WGHT
AT0055	13.22 GPM	725 PSI	650 RPM	1.417 in./36 mm	.945 in./24 mm	51 oz.	6.6 EBHP	36.0 lbs.

Aluminum or a forged brass manifold. Heavy-duty tapered roller bearings and oversized connecting rods for maximum life.

Shaft Diameter: 1.375 in./34.9 mm ASAE splined Pump Dimensions: 15.6" x 14" x 9.5"

	GPM	PSI	RPM	BORE	STROKE	OIL CAPACITY	HP	SHP WGHT
AT0088	22.48 GPM	870 PSI	650 RPM	1.771 in./45 mm	1.102 in./28 mm	61 oz.	13.4 EBHP	85.0 lbs.
AT0088B	22.48 GPM	870 PSI	650 RPM	1.771 in./45 mm	1.102 in./28 mm	61 oz.	13.4 EBHP	92.0 lbs.

AT Series 77 Sixplex Plunger Pump, Splined Shaft – Aluminum or a forged brass manifold. Dual manifolds utilizing a common crankcase for efficient performance and bronze connecting rods for maximum life.

Inlet Port Thread: 1" - 11 BSP-F Discharge Port Thread: 3/4" - 14 BSP-F
Shaft Diameter: 1.375 in./34.9 mm ASAE splined Pump Dimensions: 21" x 17" x 9.5"

	GPM	PSI	RPM	BORE	STROKE	OIL CAPACITY	HP	SHP WGHT
AT0111	29.1 GPM	725 PSI	550 RPM	1.771 in./45 mm	.945 in./24 mm	71 oz.	14.5 EBHP	88.0 lbs.
AT0177	45.0 GPM	870 PSI	650 RPM	1.771 in./45 mm	1.102 in./28 mm	71 oz.	26.8 EBHP	88.0 lbs.
AT0177B	45.0 GPM	870 PSI	650 RPM	1.771 in./45 mm	1.102 in./28 mm	71 oz.	26.8 EBHP	156 lbs.

EMPEROR PUMPS WITH HT TECHNOLOGY



Automotive

- Municipal vehicle maintenance
- Bug and tar removal
- General exterior cleaning

Self-service wash

- Single or multi-bay applications
- Spot-free rinse application
- Chemical application
- Pre-soak/Tire-motor cleaner
- Foam brush
- Reclaim water
- Weep-systems

Automatic wash

- Roll-over automatic
- Spot-free rinse application
- Pre-soak systems

Weep systems

- Foam application

Tunnel wash

- Prep station
- Brush wetting
- Detergent application
- Spot-free rinse application
- Bay wash-down

Mobile vehicle wash

- Truck mounted wash units
- Spot-free rinse application

Household cleaning

- Carpet cleaning

Household exterior cleaning

- Mildew removal
- Storm cleanup
- Pool decks
- Gutter cleaning

Contract cleaning

- Building exterior cleaning
- Sidewalk cleaning
- Driveway cleaning
- Deck cleaning
- Restaurant kitchen cleaning
- Hood and duct cleaning
- Mobile vehicle wash
- Ice abatement
- Wet sandblasting
- General cleaning

EMPEROR PUMPS

Emperor Pumps

Emperor HTC, 60 Series, Triplex plunger pump. Ideal for use in carpet cleaning and other high pressure cleaning applications. This pump offers a compact, economical design.

Max. Inlet Pressure: 125 PSI **Max. Fluid Temperature: 185° F** **Inlet Port Thread: 1/2" - 14 BSP-F**
Discharge Port Thread: 3/8" - 19 BSP-F **Shaft Diameter: .626 in./16 mm**
Pump Dimensions: 7.8" x 7.3" x 5.5" **Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)**
Crankcase Oil Capacity: 11.8 oz. **Product Group: X**

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTC1505E345	2.1	2200	3400	.591 in/15 mm	.197 in/5 mm	3.5	16 lbs.
HTC1509E175	2.1	2200	1750	.591 in/15 mm	.370 in/9.4 mm	3.5	16 lbs.

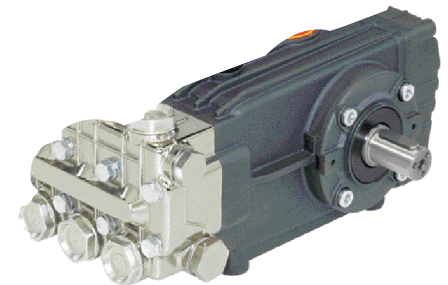


HTC1509E175

Emperor HTS, 47HT Series, Triplex plunger pump features exclusive HT technology. Specifically designed to handle the rigorous duty cycles, high temperatures and chemicals associated with self-service car wash applications. Also ideal for use in carpet cleaning and other high pressure cleaning applications.

Max. Inlet Pressure: 125 PSI **Max. Fluid Temperature: 185° F** **Inlet Port Thread: 1/2" - 14 BSP-F**
Discharge Port Thread: 3/8" - 19 BSP-F **Shaft Diameter: .945 in./24 mm**
Pump Dimensions: 12.2" x 9.2" x 6.9" **12.4" x 10" x 6.9" (with rails)**
Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg) **Crankcase Oil Capacity: 40.6 oz.** **Product Group: X**

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTS2210S	2.6/4.0	2300	950/1450	.866 in/22 mm	.394 in/10 mm	4.1/6.3	32 lbs.
HTS2212S	3.2/4.75	2300	950/1450	.866 in/22 mm	.472 in/12 mm	5/7.5	32 lbs.
HTS2215S	4.0/5.0	2300	950/1200	.866 in/22 mm	.591 in/15 mm	4.1/7.8	32 lbs.

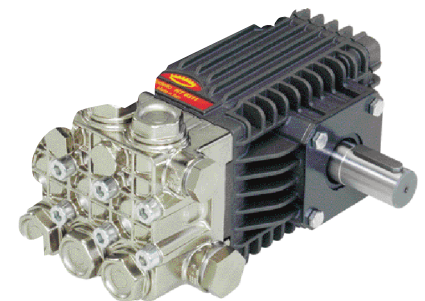


HTS2210S

Emperor HTX, 63HT Series, Triplex plunger pump features exclusive HT technology. Specifically designed to handle the rigorous duty cycles, high temperatures and chemicals associated with self-service car wash applications. Also ideal for use in carpet cleaning and other high pressure cleaning applications. This pump offers a compact and economical design.

Max. Inlet Pressure: 125 PSI **Max. Fluid Temperature: 185° F** **Inlet Port Thread: 1/2" - 14 BSP-F**
Discharge Port Thread: 3/8" - 19 BSP-F **Shaft Diameter: .945 in./24 mm**
Pump Dimensions: 8.4" x 8.3" x 4.8" **8.4" x 8.3" x 5.6" (with rails)**
Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg) **Crankcase Oil Capacity: 14 oz.** **Product Group: X**

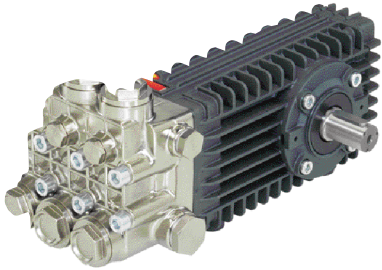
	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTX1810S	2.7/3.1	2000	1450/1750	.709 in./18 mm	.394 in./10 mm	3.5/4.2	18 lbs.
HTX1812S	3.2/3.8	2000	1450/1750	.709 in./18 mm	.472 in./12 mm	4.3/5.2	18 lbs.
HTX1813S	3.5	2000	1450	.709 in./18 mm	.512 in./13 mm	6	18 lbs.



HTX1810S

EMPEROR PUMPS

Emperor Pumps

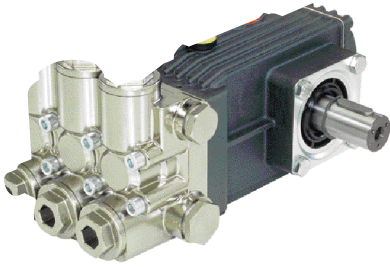


HTF2018S

Emperor HTF, 66HT Series, Triplex plunger pump features exclusive HT technology. Designed for use in prep units, conveyor and multiple gun applications. Excellent for carpet cleaning and for use in industrial plant systems where hot water is required.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 185° F Inlet Port Thread: 3/4" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm
Pump Dimensions: 13.27" x 9.6" x 6.23" 13.4" x 9.8" x 7.5" (with rails)
Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg) Crankcase Oil Capacity: 31 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTF2018S	4.0/5.0/7.5	3600	950/1200/1750	.787 in/20 mm	.748 in/18 mm	10/12/18.5	41 lbs.
HTF2221S	8.5/10.2	3000	1450/1750	.866 in/22 mm	.826 in/21 mm	17.5/21	41 lbs.
HTF2421S	10.0/12.0	3000/2500	1450/1750	.945 in/24 mm	.826 in/21 mm	20.5	41 lbs.



HTW3624S

Emperor HTW, 69HT Series, Triplex plunger pump features exclusive HT technology. Designed for touchless carwash systems, multiple gun systems and industrial plant systems where hot water is required.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 185° F Inlet Port Thread: 1" - 11 BSP-F
Discharge Port Thread: 3/4" - 14 BSP-F Shaft Diameter: 1.378 in./35 mm
Pump Dimensions: 13" x 11.9" x 7.3" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)
Crankcase Oil Capacity: 50.7 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTW3624S*	18.0	1200	1000	1.417 in/36 mm	.946 in/24 mm	19.5	57 lbs.

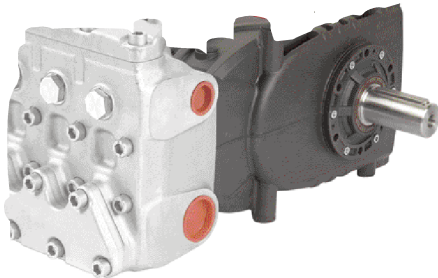


HTCK3623S

Emperor HTCK3623S, 70 Series, Triplex plunger pump features exclusive HT technology. Designed specifically for use in rollover car wash systems and other industrial plant systems where hot water is required.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 185° F Inlet Port Thread: 1" NPT-F
Discharge Port Thread: 1/2" NPT-F Shaft Diameter: 1.181 in./30 mm
Pump Dimensions: 15.3" x 13.4" x 7.7" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)
Crankcase Oil Capacity: 64.2 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTCK3623S*	21.0/25.0	1500/1300	1150/1350	1.4 in/36 mm	.9/23 mm	22.0	79.6 lbs.



HTCK4050S

Emperor HTCK4050S, 71 Series, Triplex plunger pump features exclusive HT technology. Designed as a direct replacement for Cat's 3535 with the distinct advantage of featuring General Pump's patented HT technology. Ideal for use in rollover car washes and other industrial plant systems where hot water is required.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 185° F Inlet Port Thread: 1-1/2" NPT-F
Discharge Port Thread: 1" NPT-F Shaft Diameter: 1.575 in./40 mm
Pump Dimensions: 20.7" x 14.5" x 9.9" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)
Crankcase Oil Capacity: 124.4 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTCK4050S*	36.0	1500	800	1.6 in/40 mm	1.9/50 mm	38.0	157 lbs.

*Also available in "L" left-hand version.

INDUSTRIAL APPLICATIONS



Misting/Fogging

- Evaporative cooling
- Insect control
- Bird control
- Odor control
- Fire suppression
- Tower cooling
- Power generation

Water jet technology

- Coating removal
- Surface preparation
- Materials cutting/machining

Industrial process

- Hydraulic ram/press operation
- Hydrostatic testing

Industrial cleaning

- General cleaning
- Surface stripping
- Scale removal
- Barrel cleaning

Food processing

- Poultry deboning
- Sanitation
- Wine making

Agricultural

- Hydro-seeding
- Fertilizer injection

Boats and pleasure craft

- Watermaking
- Washdown
- Boat hull cleaning

Water treatment

- Reverse osmosis
- Desalination
- Water purification

Sewer maintenance

- Sewer jetting
- Root cutting

Tank cleaning

- Barrel reconditioning
- Wine making

The New Generation

NEW DESIGN

General Pump proudly announces the release of its "New Generation of Pumps". Celebrating the birth of three different pump families from two main frame sizes designed to succeed a well known line of pumps that has lead the market for 20 years. The "New Generation" combines years of reliable pump design with the latest in technological advances to provide our customers with the most innovative pumping solution on the market. A key target to dramatically extend wear part life was accomplished through several years of development and testing. The result was a series of pumps that promised long life, minimal down time and greatly reduced operating costs.

New Frame Design for Increased Life and Flexibility

Symmetrical Crankcase Design featuring both top and bottom mounting holes that allow for easy "left to right" shaft conversion. Crankshaft reversal now only takes minutes to accomplish. In addition, the patented design is very efficient at dissipating heat. The pump will see lower oil temperatures while operating at higher loads resulting in longer life from the power end.

Stainless Steel Manifold Standard on all Versions

The stainless steel manifold to come standard in all series with a complete new valve design. It also features nickel plating for protection against wash out and corrosion for the life of the pump.

New Leakage FREE Seal Design

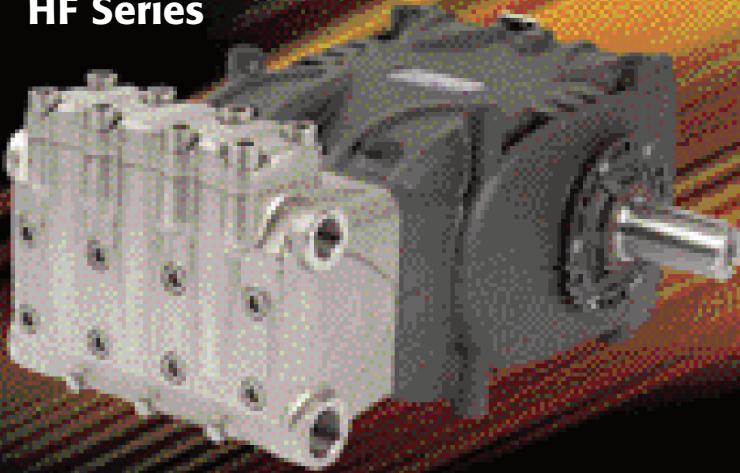
Internal cooling system reduces both packing and plunger operating temperatures while substantially increasing life expectancy. The "leak free" design also eliminates the need for guesswork when determining worn packings from what used to be "normal leakage".

www.generalspump.com

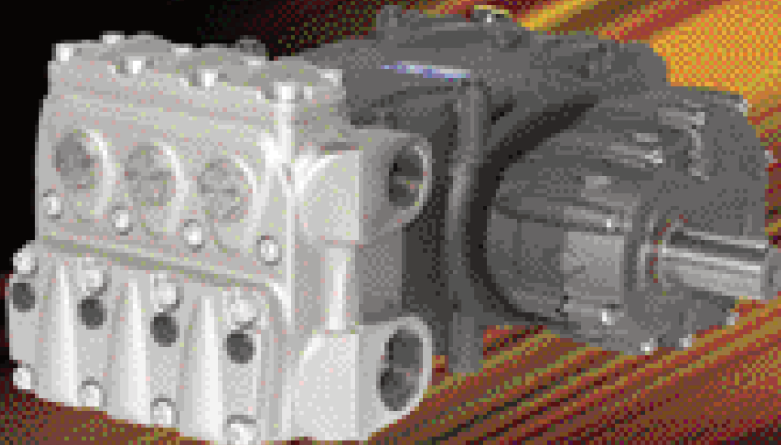
KE Series



HF Series



KF Series



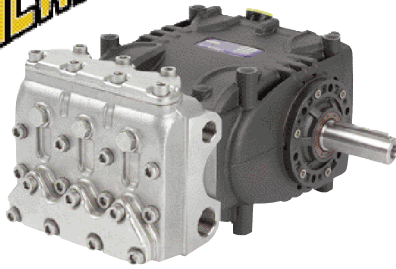
KS Series

	GPM	PSI	RPM	HP
KS28A	29.2	3625	1500/1800/2200	75
KS32A	38.3	2900	1500/1800/2200	75
KS36A	48.4	2320	1500/1800/2200	75
KS40A	59.7	1890	1500/1800/2200	75



GENERAL INDUSTRIAL PUMPS

NEW!



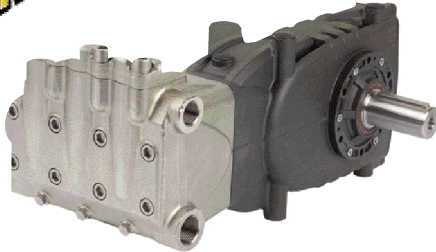
KE20A

KE Series, Triplex Plunger Pump

Max Inlet Pressure: 45 PSI Max. Fluid Temperature: *140° F Inlet Port Thread: 1" NPT-F
Discharge Port Thread: 1/2" NPT-F Shaft Diameter: 1.81/30 mm Pump Dimensions: 15.3" x 13.4" x 7.7"
Crankcase Oil Capacity: 64.2 oz Stroke: .9 in./23 mm Product Group: V

	GPM	PSI	RPM	BORE	HP	MIN INLET	SHP WGHT
KE20A	8.3 GPM	4350 PSI	1450 RPM	.787 in./20 mm	24.5	5 PSI	88 lbs.
KE22A	10.0 GPM	3625 PSI	1450 RPM	.866 in./22 mm	24.7	5 PSI	88 lbs.
KE24A	11.9 GPM	3045 PSI	1450 RPM	.944 in./24 mm	24.7	5 PSI	88 lbs.
KE28A	16.3 GPM	2175 PSI	1450 RPM	1.102 in./28 mm	24.0	5 PSI	88 lbs.
KE30A	18.5 GPM	1885 PSI	1450 RPM	1.181 in./30 mm	23.9	5 PSI	88 lbs.

NEW!



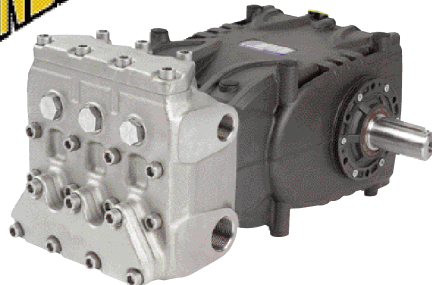
HF18A

HF Series, Triplex Plunger Pump

Max Inlet Pressure: 45 PSI Max. Fluid Temperature: *140° F Inlet Port Thread: 1" NPT
Discharge Port Thread: 3/4" NPT Shaft Diameter: 1.574 in./40 mm Pump Dimensions: 20" x 14.5" x 9.4"
Crankcase Oil Capacity: 124.4 oz Stroke: 1.9 in./50 mm Product Group: V

	GPM	PSI	RPM	BORE	HP	MIN INLET	SHP WGHT
HF18A	8.06 GPM	8700 PSI	800 RPM	.708 in./18 mm	48	5 PSI	132 lbs.
HF18A	10.08 GPM	7250 PSI	1000 RPM	.708 in./18 mm	50	5 PSI	132 lbs.
HF22A	12.05 GPM	5800 PSI	800 RPM	.866 in./22 mm	48	5 PSI	132 lbs.
HF25A	19.44 GPM	4060 PSI	1000 RPM	.984 in./25 mm	53	5 PSI	132 lbs.

NEW!

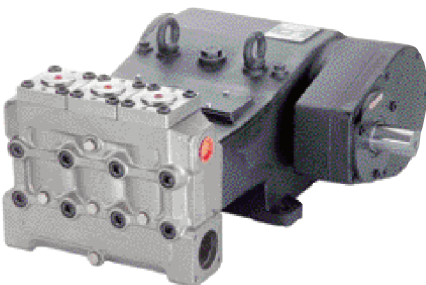


KF28A

KF Series, Triplex Plunger Pump

Max Inlet Pressure: 45 PSI Max. Fluid Temperature: *140° F Inlet Port Thread: 1-1/2" NPT
Discharge Port Thread: 1" NPT Shaft Diameter: 1.6 in./40 mm Pump Dimensions: 20.7" x 14.4" x 9.9"
Crankcase Oil Capacity: 124.4 oz Stroke: 1.9 in./50 mm Product Group: V

	GPM	PSI	RPM	BORE	HP	MIN INLET	SHP WGHT
KF28A	24.5 GPM	3045 PSI	1000 RPM	1.102 in./28 mm	50	5 PSI	132 lbs.
KF30A	28 GPM	2890 PSI	1000 RPM	1.181 in./30 mm	55	5 PSI	132 lbs.
KF36A	32.2 GPM	2300 PSI	800 RPM	1.417 in./36 mm	50	5 PSI	132 lbs.
KF36A	36.2 GPM	2050 PSI	900 RPM	1.417 in./36 mm	50	5 PSI	132 lbs.
KF36A	40 GPM	1900 PSI	1000 RPM	1.417 in./36 mm	52	5 PSI	132 lbs.
KF40A	45 GPM	1600 PSI	900 RPM	1.571 in./40 mm	49	5 PSI	132 lbs.



MS36

MS Series, Triplex Plunger Pump

Max. Inlet Pressure: 45 PSI Max. Fluid Temperature: *140° F Inlet Port Thread: 2 1/2" NPT-F
Discharge Port Thread: 1 1/4" NPT-F Shaft Diameter: 2.758 in./70 mm Pump Dimensions: 27.7" x 23.8" x 11.9"
Crankcase Oil Capacity: 333 oz Stroke: 2.362 in./60 mm Product Group: V

	GPM	PSI	RPM	BORE	HP	MIN INLET	SHP WGHT
MS36	35.9 GPM	4350 PSI	750 RPM	1.417 in./36 mm	107.0 EBHP	6.5 PSI	570 lbs.
MS40	44.4 GPM	3500 PSI	750 RPM	1.575 in./40 mm	106.4 EBHP	6.8 PSI	570 lbs.
MS45	56.3 GPM	2750 PSI	750 RPM	1.772 in./45 mm	106.0 EBHP	7.1 PSI	570 lbs.
MS50	69.5 GPM	2250 PSI	750 RPM	1.969 in./50 mm	107.1 EBHP	7.6 PSI	570 lbs.
MS55	84.0 GPM	1800 PSI	750 RPM	2.165 in./55 mm	103.6 EBHP	7.8 PSI	570 lbs.

Gearbox may be positioned as shown or at 45°, 90°, 135° or 180° from position shown.

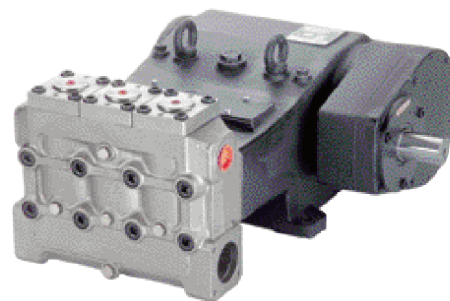
***Please consult technical guide or GP Sales Representative for temperature/Inlet Pressure information.**

Please refer to pages 48-51 for fittings, safety devices and other accessories. Performances refer to theoretical delivery with 100% volumetric efficiency. Under normal operating conditions, pump volumetric efficiency is over 95%. Please contact our technical staff in case of continuous, heavy-duty, or special applications.

GENERAL INDUSTRIAL PUMPS

MS Series, Triplex Plunger Pump with gear reducer option available for 1500 or 1800 RPM.
Max. Inlet Pressure: 45 PSI Max. Fluid Temperature: *140° F Inlet Port Thread: 2 1/2" NPT-F
Discharge Port Thread: 1 1/4" NPT-F Shaft Diameter: 1.969 in./50 mm
Pump Dimensions: 27.7" x 23.8" x 11.7" Crankcase Oil Capacity: 333 oz. Stroke: 2.362 in./60 mm
Product Group: V

	GPM	PSI	BORE	HP	MIN INLET	SHP WGHT
MS36	35.4 GPM	4350 PSI	1.417 in./36 mm	105.5 EBHP	6.5 PSI	620 lbs.
MS40	43.9 GPM	3500 PSI	1.575 in./40 mm	105.2 EBHP	6.8 PSI	620 lbs.
MS45	55.5 GPM	2750 PSI	1.772 in./45 mm	104.5 EBHP	7.1 PSI	620 lbs.
MS50	68.7 GPM	2250 PSI	1.969 in./50 mm	105.9 EBHP	7.6 PSI	620 lbs.
MS55	83.0 GPM	1800 PSI	2.165 in./55 mm	102.3 EBHP	7.8 PSI	620 lbs.

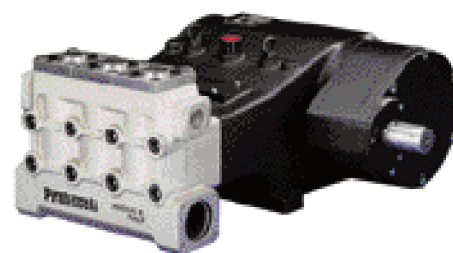


MS36

Gearbox may be positioned as shown or at 45°, 90°, 135° or 180° from position shown.

MH Series, Triplex Plunger Pump with gear reducer options available for 1500 or 1800 RPM.
Max. Inlet Pressure: 45 PSI Max. Fluid Temperature: *140° F Inlet Port Thread: 3" NPT-F Flange
Discharge Port Thread: 1 1/4" NPT-F Shaft Diameter: 1.969 in./55 mm
Pump Dimensions: 33.3" x 28.2" x 13.5" Crankcase Oil Capacity: 466.5 oz. Stroke: 2.835 in./72 mm
Product Group: V

	GPM	PSI	BORE	HP	MIN INLET	SHP WGHT
MH45	51.2 GPM	4350 PSI	1.772 in./45 mm	152.5 EBHP	5.2 PSI	880 lbs.
MH50	63.4 GPM	3500 PSI	1.969 in./50 mm	152.0 EBHP	5.4 PSI	880 lbs.
MH55	76.6 GPM	2900 PSI	2.165 in./55 mm	152.2 EBHP	5.5 PSI	880 lbs.
MH60	91.1 GPM	2400 PSI	2.362 in./60 mm	149.8 EBHP	5.8 PSI	880 lbs.
MH65	107.0 GPM	2050 PSI	2.559 in./65 mm	150.2 EBHP	6.1 PSI	880 lbs.



MH45

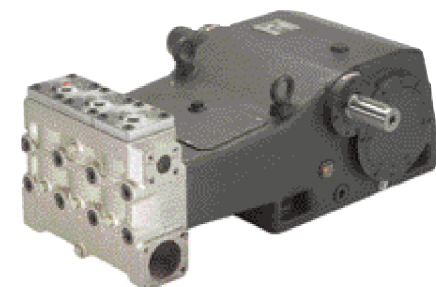
Gearbox may be positioned as shown or at 45°, 90°, 135° or 180° from position shown.

Also Included:

- F1201 - Inlet Flange, closed
- F1299 - Inlet Flange, open, 3" NPT
- 680096 - Drain Valve Kit

LH Series, Triplex Plunger Pump with Internal Gear Reduction
Max. Inlet Pressure: 45 PSI Max. Fluid Temperature: *140° F Inlet Port Thread: 80 mm BSP-F Flange
Discharge Port Thread: 36 mm BSP-F Flange Shaft Diameter: 1.969 in./50 mm
Pump Dimensions: 36.3" x 25.8" x 13.5" Crankcase Oil Capacity: 467 oz. Stroke: 3.546 in./90 mm
Product Group: V

	GPM	PSI	RPM	BORE	HP	MIN INLET	SHP WGHT
LH4015	45.4 GPM	4350 PSI	1500 RPM	1.575 in./40 mm	135.3 EBHP	5.1 PSI	800 lbs.
LH4017	49.7 GPM	4350 PSI	1750 RPM	1.575 in./40 mm	148.1 EBHP	5.1 PSI	800 lbs.
LH4515	57.6 GPM	3500 PSI	1500 RPM	1.772 in./45 mm	138.1 EBHP	5.4 PSI	800 lbs.
LH4517	62.9 GPM	3500 PSI	1750 RPM	1.772 in./45 mm	150.8 EBHP	5.4 PSI	800 lbs.
LH5015	71.1 GPM	2900 PSI	1500 RPM	1.969 in./50 mm	141.2 EBHP	5.5 PSI	800 lbs.
LH5017	77.4 GPM	2900 PSI	1750 RPM	1.969 in./50 mm	153.7 EBHP	5.5 PSI	800 lbs.
LH5515	86.1 GPM	2300 PSI	1500 RPM	2.165 in./55 mm	135.6 EBHP	5.8 PSI	800 lbs.
LH5517	93.8 GPM	2300 PSI	1750 RPM	2.165 in./55 mm	147.8 EBHP	5.8 PSI	800 lbs.
LH6015	102.0 GPM	2050 PSI	1500 RPM	2.362 in./60 mm	143.2 EBHP	6.1 PSI	800 lbs.
LH6017	112.0 GPM	2050 PSI	1750 RPM	2.362 in./60 mm	157.3 EBHP	6.1 PSI	800 lbs.



LH60

Gearbox may be positioned as shown or at 45°, 90°, 135° or 180° from position shown.

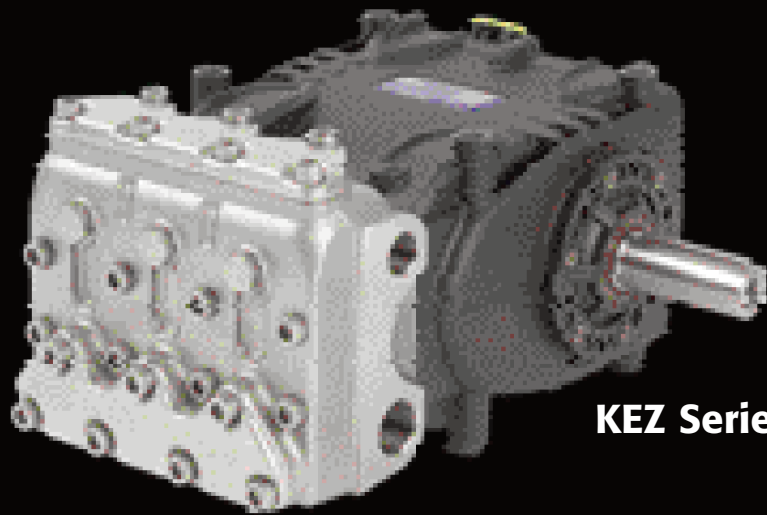
***Please consult technical guide or GP Sales Representative for temperature/Inlet Pressure information.**

Please refer to pages 48-51 for fittings, safety devices and other accessories. Performances refer to theoretical delivery with 100% volumetric efficiency. Under normal operating conditions, pump volumetric efficiency is over 95%. Please contact our technical staff in case of continuous, heavy-duty, or special applications.

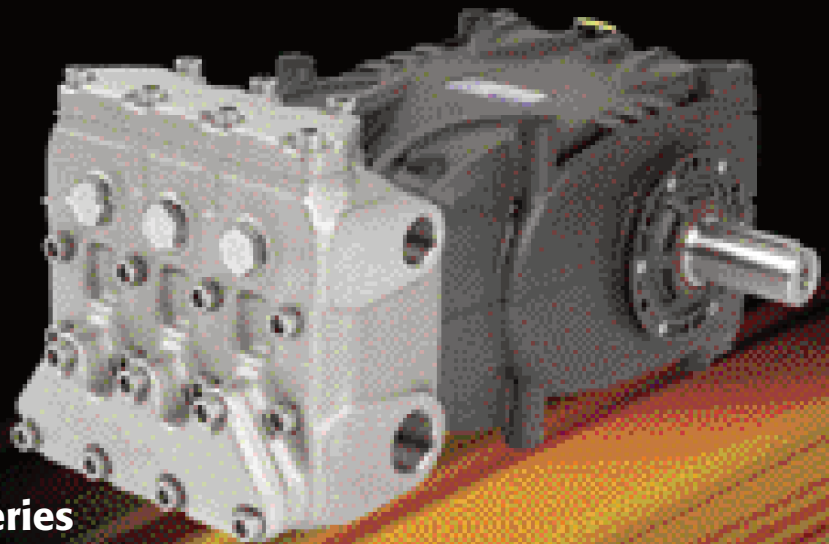
Coming Soon in 2007

NEW

**Two additional New
Generation Pumps, in 316
Stainless Steel, suitable for
aggressive environments.**



KEZ Series



KFZ Series

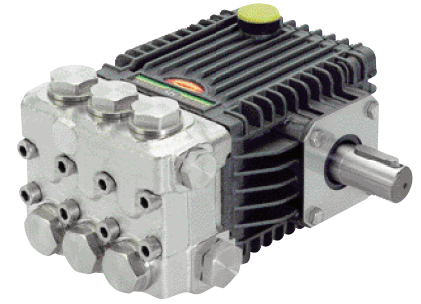
www.generalspump.com

AGGRESSIVE ENVIRONMENT PUMPS

TX Series 63, Triplex Plunger Pump, Forged 316 Stainless Steel Manifold with 24 mm Solid Shaft – Stainless steel inlet and outlet valves, ball bearings on both sides, ceramic plungers, low-and high-pressure HT Seals.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: *165° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm
Pump Dimensions: 8.4" x 8.3" x 4.8" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)
Crankcase Oil Capacity: 14.0 oz. Product Group: Y

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TX1510S17SS	2.1 GPM	2200 PSI	1750 RPM	.591 in./15 mm	.394 in./10 mm	4.3 EBHP	22.3 lbs.
TX1512S17SS	2.6 GPM	2200 PSI	1750 RPM	.591 in./15 mm	.472 in./12 mm	5.3 EBHP	22.3 lbs.
TX1810S17SS	3.1 GPM	2000 PSI	1750 RPM	.709 in./18 mm	.394 in./10 mm	4.2 EBHP	22.3 lbs.
TX1812S17SS	3.8 GPM	2000 PSI	1750 RPM	.709 in./18 mm	.472 in./12 mm	5.2 EBHP	22.3 lbs.



TX1510S17SS

T Series 47, Triplex Plunger Pump, 316 Stainless Steel, Solid Shaft – Heavy-duty tapered roller bearings and over sized connecting rods for maximum life. Also includes HT Seals.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: *165° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm
Pump Dimensions: 12.25" x 9.2" x 6.9" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)
Crankcase Oil Capacity: 40.6 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TS2012SS	4.0 GPM	2200 PSI	1450 RPM	.787 in./20 mm	.472 in./12 mm	6.0 EBHP	31.0 lbs.
TS2012SS	4.75 GPM	2200 PSI	1750 RPM	.787 in./20 mm	.472 in./12 mm	7.2 EBHP	31.0 lbs.
TS2212SS	4.75 GPM	2200 PSI	1450 RPM	.866 in./22 mm	.472 in./12 mm	7.2 EBHP	31.0 lbs.
TS2016SS	5.55 GPM	2200 PSI	1450 RPM	.787 in./20 mm	.630 in./16 mm	8.4 EBHP	31.0 lbs.
TS2212SS	5.55 GPM	2200 PSI	1750 RPM	.866 in./22 mm	.472 in./12 mm	8.4 EBHP	31.0 lbs.

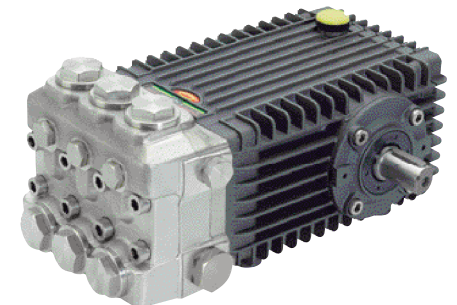


TS2012SS

66 Series Triplex Plunger Pumps, 316 Stainless Steel, Solid Shaft – Innovative seal design to extend seal life. Plunger design improves thermal shock resistance. New valve cap design improves hydrostatic performance. Also includes HT Seals.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: *165° F Inlet Port Thread: 3/4" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm Pump Dimensions: 13.27" x 9.6" x 6.23"
Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg) Crankcase Oil Capacity: 31.0 oz. Product Group: Y

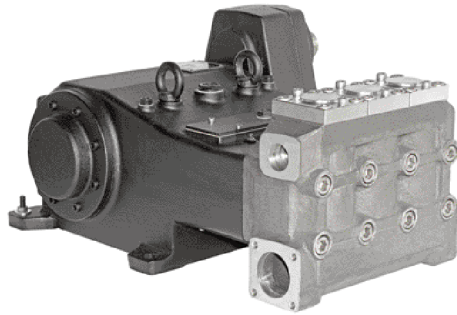
	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
TSF2021SS	8.5 GPM	2200 PSI	1750 RPM	.787 in./20 mm	.826 in./21 mm	21.0 EBHP	42.0 lbs.
TSF2221SS	10.2 GPM	2200 PSI	1750 RPM	.866 in./22 mm	.826 in./21 mm	21.0 EBHP	42.0 lbs.
TSF2421SS	12.0 GPM	2200 PSI	1750 RPM	.945 in./24 mm	.826 in./21 mm	20.5 EBHP	42.0 lbs.



TSF2021SS

***Please consult technical guide or GP Sales Representative for temperature/Inlet Pressure information.**

AGGRESSIVE ENVIRONMENT PUMPS



MSZ36

Gearbox may be positioned as shown or at 45°, 90°, 135° or 180° from position shown.

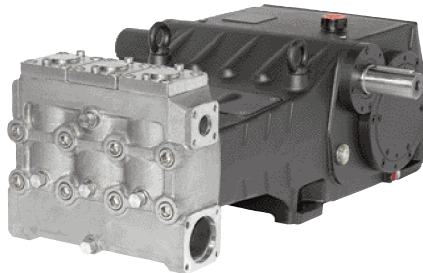
MSN Series, Triplex Plunger Pump with Gearbox with 316 SS or Duplex SS (ASTM A890) Manifold; 316 SS Wetted Parts; 431 SS Valve Plate and Seat. Gear reducer options available for 1500 or 1800 RPM.

Max. Inlet Pressure: 45 PSI Max. Fluid Temperature: *140° F Inlet Port Thread: 2 1/2" BSP-F Discharge Port Thread: 1 1/4" BSP-F Shaft Diameter: 1.969 in./50 mm Pump Dimensions: 27.7" x 23.8" x 11.7" Crankcase Oil Capacity: 333 oz. Stroke: 2.362 in./60 mm Product Group: V

	GPM	PSI	BORE	HP	MIN INLET	SHP WGHT
MSN36	35.4 GPM	4350 PSI	1.417 in./36 mm	105.5 EBHP	6.5 PSI	650 lbs.
MSN40	43.9 GPM	3500 PSI	1.575 in./40 mm	105.2 EBHP	6.8 PSI	650 lbs.
MSN45	55.5 GPM	2750 PSI	1.772 in./45 mm	104.5 EBHP	7.1 PSI	650 lbs.
MSN50	68.7 GPM	2250 PSI	1.969 in./50 mm	105.9 EBHP	7.6 PSI	650 lbs.
MSN55	83.0 GPM	1800 PSI	2.165 in./55 mm	102.3 EBHP	7.8 PSI	650 lbs.

MSZ Series, Triplex Plunger Pump with Gearbox, 316 SS or Duplex SS (ASTM A890) Manifold; 316 SS Wetted Parts including Valve Plate and Seat. Gear reducer options available in 1500 or 1800 RPM.

	GPM	PSI	BORE	HP	MIN INLET	SHP WGHT
MSZ36	29.8 GPM	1160 PSI	1.417 in./36 mm	23.7 EBHP	6.5 PSI	650 lbs.
MSZ40	36.7 GPM	1160 PSI	1.575 in./40 mm	29.2 EBHP	6.8 PSI	650 lbs.
MSZ45	46.7 GPM	1160 PSI	1.772 in./45 mm	37.1 EBHP	7.1 PSI	650 lbs.
MSZ50	57.8 GPM	1160 PSI	1.969 in./50 mm	45.9 EBHP	7.6 PSI	650 lbs.
MSZ55	69.7 GPM	1160 PSI	2.165 in./55 mm	55.4 EBHP	7.8 PSI	650 lbs.



LHZ4015

LHN Series, Triplex Plunger Pump with Internal Gear Reduction; 316 SS or Duplex SS (ASTM A890) Manifold; 316 SS Wetted Parts; 431 SS Valve Plate and Seat.

Max. Inlet Pressure: 45 PSI Max. Fluid Temperature: *140° F Inlet Port Thread: 80 mm BSP-F Flange Discharge Port Thread: 36 mm BSP-F Flange Shaft Diameter: 1.969 in./50 mm Pump Dimensions: 36.3" x 25.8" x 13.5" Crankcase Oil Capacity: 467 oz. Stroke: 3.546 in./90 mm Product Group: V

LHZ Series, Triplex Plunger Pump with Internal Gear Reduction; 316 SS or Duplex SS (ASTM A890) Manifold; 316 SS Wetted Parts including Valve Plate and Seat.

	GPM	PSI	RPM	BORE	HP	MIN INLET	SHP WGHT
LHZ4015	39.6 GPM	1160 PSI	1500 RPM	1.575 in./40 mm	31.5 EBHP	5.1 PSI	850 lbs.
LHZ4017	46.2 GPM	1160 PSI	1750 RPM	1.575 in./40 mm	36.7 EBHP	5.1 PSI	850 lbs.
LHZ4515	49.9 GPM	1160 PSI	1500 RPM	1.772 in./45 mm	39.6 EBHP	5.4 PSI	850 lbs.
LHZ4517	58.1 GPM	1160 PSI	1750 RPM	1.772 in./45 mm	46.2 EBHP	5.4 PSI	850 lbs.
LHZ5015	61.5 GPM	1160 PSI	1500 RPM	1.969 in./50 mm	48.9 EBHP	5.5 PSI	850 lbs.
LHZ5017	71.3 GPM	1160 PSI	1750 RPM	1.969 in./50 mm	56.6 EBHP	5.5 PSI	850 lbs.
LHZ5515	74.5 GPM	1160 PSI	1500 RPM	2.165 in./55 mm	59.2 EBHP	5.8 PSI	850 lbs.
LHZ5517	86.9 GPM	1160 PSI	1750 RPM	2.165 in./55 mm	69.0 EBHP	5.8 PSI	850 lbs.
LHZ6015	89.0 GPM	1160 PSI	1500 RPM	2.362 in./60 mm	70.7 EBHP	6.1 PSI	850 lbs.
LHZ6017	104.3 GPM	1160 PSI	1750 RPM	2.362 in./60 mm	82.9 EBHP	6.1 PSI	850 lbs.

***Please consult technical guide or GP Sales Representative for temperature/Inlet Pressure information.**

Please refer to pages 48-51 for fittings, safety devices and other accessories. Performances refer to theoretical delivery with 100% volumetric efficiency. Under normal operating conditions, pump volumetric efficiency is over 95%. Please contact our technical staff in case of continuous, heavy-duty, or special applications.

EXTREME HIGH-PRESSURE PUMPS

VH Series, Triplex Plunger Pump (must be pressure fed).

Max. Inlet Pressure: 100 PSI Max. Fluid Temperature: 86° F Inlet Port Thread: 3/4" BSP-F
Discharge Port Thread: 1/2" BSP-F Flange Shaft Diameter: 1.378 in./35 mm Pump Dimensions:
22.7" x 17.7" x 8.3" Crankcase Oil Capacity: 127 oz. Stroke: 1.575 in./40 mm Product Group: V

	GPM	PSI	RPM	BORE	HP	DYNAMIC MIN INLET	SHP WGHT
VH12	2.6 GPM	17500 PSI	750 RPM	.472 in./12 mm	31.2 EBHP	90 PSI	185 lbs.
VH14	3.6 GPM	14500 PSI	750 RPM	.551 in./14 mm	35.8 EBHP	90 PSI	185 lbs.
VH16	4.7 GPM	10800 PSI	750 RPM	.630 in./16 mm	34.8 EBHP	90 PSI	185 lbs.
VHS16	6.0 GPM	10150 PSI	1000 RPM	.630 in./16 mm	42.0 EBHP	90 PSI	185 lbs.



VH12

VS Series, High Flow, High Pressure Triplex Plunger Pump (must be pressure fed).

Max. Inlet Pressure: 75 PSI Max. Fluid Temperature: 85° F Inlet Port Thread: 1 1/2" G
Discharge Port Thread: 1/2" G Flange Shaft Diameter: 1.378 in./35 mm
Crankcase Oil Capacity: 10.5 quarts Stroke: 2.36 in./60 mm Pump Dimensions: 33.6" x 14.7" x 12.45"
Product Group: V

	GPM	PSI	RPM	BORE	HP	MIN INLET	SHP WGHT
VS1622	6.9 GPM	21750 PSI	2200 RPM	.630 in./16 mm	102.8 EBHP	45 PSI	618 lbs.
VS1822	8.7 GPM	17400 PSI	2200 RPM	.709 in./18 mm	103.7 EBHP	45 PSI	618 lbs.
VS2022	10.8 GPM	13050 PSI	2200 RPM	.787 in./20 mm	96.5 EBHP	45 PSI	618 lbs.
VS2222	12.9 GPM	10800 PSI	2200 RPM	.868 in./22 mm	95.4 EBHP	45 PSI	618 lbs.
VS2422	15.6 GPM	8700 PSI	2200 RPM	.945 in./24 mm	93.0 EBHP	45 PSI	618 lbs.
VS1618	7.1 GPM	21750 PSI	1800 RPM	.630 in./16 mm	105.8 EBHP	45 PSI	618 lbs.
VS1818	9.0 GPM	17400 PSI	1800 RPM	.709 in./18 mm	107.3 EBHP	45 PSI	618 lbs.
VS2018	11.1 GPM	13050 PSI	1800 RPM	.787 in./20 mm	99.2 EBHP	45 PSI	618 lbs.
VS2218	13.5 GPM	10800 PSI	1800 RPM	.868 in./22 mm	99.9 EBHP	45 PSI	618 lbs.
VS2418	16.1 GPM	8700 PSI	1800 RPM	.945 in./24 mm	95.9 EBHP	45 PSI	618 lbs.
VS1615	7.1 GPM	21750 PSI	1500 RPM	.945 in./16 mm	105.8 EBHP	45 PSI	618 lbs.
VS1815	9.0 GPM	17400 PSI	1500 RPM	.709 in./18 mm	107.3 EBHP	45 PSI	618 lbs.
VS2015	11.1 GPM	13050 PSI	1500 RPM	.787 in./20 mm	99.2 EBHP	45 PSI	618 lbs.
VS2215	13.2 GPM	10800 PSI	1500 RPM	.868 in./22 mm	99.6 EBHP	45 PSI	618 lbs.
VS2415	15.8 GPM	8700 PSI	1500 RPM	.945 in./24 mm	94.2 EBHP	45 PSI	618 lbs.



VS1622

Gearbox may be positioned as shown or at 45°, 90°, 135° or 180° from position shown.

SH Series, Triplex Pump with Gearbox (must be pressure fed).

Max. Inlet Pressure: 100 PSI Max. Fluid Temperature: 86° F Inlet Port Thread: 1 1/2" BSP-F
Discharge Port Thread: 3/4" BSP-F Flange Shaft Diameter: 1.969 in./50 mm
Pump Dimensions: 42.4" x 25.8" x 13.7" Crankcase Oil Capacity: 467 oz. Stroke: 3.543 in./90 mm
Product Group: V

	GPM	PSI	RPM	BORE	HP	DYNAMIC MIN INLET	SHP WGHT
SH2001	11.3 GPM	20300 PSI	1500 RPM	.787 in./20 mm	157.1 EBHP	90 PSI	840 lbs.
SH2017	11.6 GPM	17400 PSI	1750 RPM	.787 in./20 mm	138.2 EBHP	90 PSI	840 lbs.
SH2201	13.7 GPM	15950 PSI	1500 RPM	.866 in./22 mm	159.7 EBHP	90 PSI	840 lbs.
SH2217	14.0 GPM	15950 PSI	1750 RPM	.866 in./22 mm	152.9 EBHP	90 PSI	840 lbs.
SH2401	16.3 GPM	13800 PSI	1500 RPM	.945 in./24 mm	154.1 EBHP	90 PSI	840 lbs.
SH2417	16.6 GPM	13800 PSI	1750 RPM	.945 in./24 mm	156.9 EBHP	90 PSI	840 lbs.
SH2601	19.2 GPM	11600 PSI	1500 RPM	1.024 in./26 mm	152.5 EBHP	90 PSI	840 lbs.
SH2617	19.5 GPM	11600 PSI	1750 RPM	1.024 in./26 mm	154.9 EBHP	90 PSI	840 lbs.
SH2801	22.3 GPM	10150 PSI	1500 RPM	1.102 in./28 mm	155.0 EBHP	90 PSI	840 lbs.
SH2817	22.7 GPM	10150 PSI	1750 RPM	1.102 in./28 mm	157.8 EBHP	90 PSI	840 lbs.
SH3001	25.6 GPM	8700 PSI	1500 RPM	1.181 in./30 mm	152.5 EBHP	90 PSI	840 lbs.
SH3017	25.9 GPM	8700 PSI	1750 RPM	1.181 in./30 mm	154.3 EBHP	90 PSI	840 lbs.



SH2601

Please refer to pages 48-51 for fittings, safety devices and other accessories. Performances refer to theoretical delivery with 100% volumetric efficiency. Under normal operating conditions, pump volumetric efficiency is over 95%. Please contact our technical staff in case of continuous, heavy-duty, or special applications.

JETTING/INTERMITTENT PUMPS

NEW!



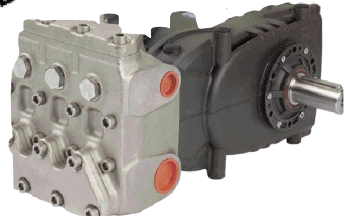
HF18A

HF Series, Triplex Plunger Pump

Max Inlet Pressure: 45 PSI Max. Fluid Temperature: *140° F Inlet Port Thread: 1" NPT
Discharge Port Thread: 3/4" NPT Shaft Diameter: 1.574 in./40 mm Pump Dimensions: 20" x 14.5" x 9.4"
Crankcase Oil Capacity: 124.4 oz. Stroke: 1.9 in./50 mm Product Group: V

	GPM	PSI	RPM	BORE	HP	MIN INLET	SHP WGHT
HF18A	8.06 GPM	8700 PSI	800 RPM	.708 in./18 mm	48	5 PSI	132 lbs.
HF18A	10.08 GPM	7250 PSI	1000 RPM	.708 in./18 mm	50	5 PSI	132 lbs.
HF22A	12.05 GPM	5800 PSI	800 RPM	.866 in./22 mm	48	5 PSI	132 lbs.
HF25A	19.44 GPM	4060 PSI	1000 RPM	.984 in./25 mm	53	5 PSI	132 lbs.

NEW!

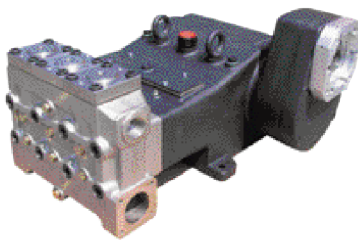


KF28A

KF Series, Triplex Plunger Pump

Max Inlet Pressure: 45 PSI Max. Fluid Temperature: *140° F Inlet Port Thread: 1-1/2" NPT
Discharge Port Thread: 1" NPT Shaft Diameter: 1.6 in./40 mm Pump Dimensions: 20.7" x 14.4" x 9.9"
Crankcase Oil Capacity: 124.4 oz. Stroke: 1.9 in./50 mm Product Group: V

	GPM	PSI	RPM	BORE	HP	MIN INLET	SHP WGHT
KF28A	24.5 GPM	3045 PSI	1000 RPM	1.102 in./28 mm	50	5 PSI	132 lbs.
KF30A	28 GPM	2890 PSI	1000 RPM	1.181 in./30 mm	55	5 PSI	132 lbs.
KF36A	32.2 GPM	2300 PSI	800 RPM	1.417 in./36 mm	50	5 PSI	132 lbs.
KF36A	36.2 GPM	2050 PSI	900 RPM	1.417 in./36 mm	50	5 PSI	132 lbs.
KF36A	40 GPM	1900 PSI	1000 RPM	1.417 in./36 mm	52	5 PSI	132 lbs.
KF40A	45 GPM	1600 PSI	900 RPM	1.571 in./40 mm	49	5 PSI	132 lbs.



MSS36HD

As shown with hydraulic drive

MSS Series, Triplex Plunger Pump with Gear Box for Jetting (intermittent use). Gear reducer options available for 1500 or 1800 RPM. Also available with hydraulic drive.

Max. Inlet Pressure: 45 PSI Max. Fluid Temperature: *140° F Inlet Port Thread: 2 1/2" NPT-F
Discharge Port Thread: 1 1/4" NPT-F Shaft Diameter: 1.969 in./50 mm Pump Dimensions: 27.7" x 23.8" x 11.9"
Crankcase Oil Capacity: 333 oz. Stroke: 2.362 in./60 mm Product Group: V

	GPM	PSI	BORE	HP	MIN INLET	SHP WGHT
MSS36	35.4 GPM	4350 PSI	1.417 in./36 mm	121.2 EBHP	6.5 PSI	620 lbs.
MSS40	43.9 GPM	3900 PSI	1.575 in./40 mm	117.3 EBHP	6.8 PSI	620 lbs.
MSS45	55.5 GPM	3050 PSI	1.772 in./45 mm	115.9 EBHP	7.1 PSI	620 lbs.
MSS50	68.7 GPM	2470 PSI	1.969 in./50 mm	116.2 EBHP	7.6 PSI	620 lbs.
MSS55	83.0 GPM	2000 PSI	2.165 in./55 mm	113.7 EBHP	7.8 PSI	620 lbs.



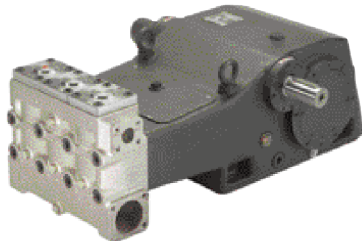
MH45

Gearbox may be positioned as shown or at 45°, 90°, 135° or 180° from position shown.

MH Series, Triplex Plunger Pump with gear reducer options available for 1500 or 1800 RPM.

Max. Inlet Pressure: 45 PSI Max. Fluid Temperature: *140° F Inlet Port Thread: 3" NPT-F Flange
Discharge Port Thread: 1 1/4" NPT-F Shaft Diameter: 1.969 in./55 mm
Pump Dimensions: 33.3" x 28.2" x 13.5" Crankcase Oil Capacity: 466.5 oz. Stroke: 2.835 in./72 mm
Product Group: V

	GPM	PSI	BORE	HP	MIN INLET	SHP WGHT
MH45	51.2 GPM	4350 PSI	1.772 in./45 mm	152.5 EBHP	5.2 PSI	880 lbs.
MH50	63.4 GPM	3500 PSI	1.969 in./50 mm	152.0 EBHP	5.4 PSI	880 lbs.
MH55	76.6 GPM	2900 PSI	2.165 in./55 mm	152.2 EBHP	5.5 PSI	880 lbs.
MH60	91.1 GPM	2400 PSI	2.362 in./60 mm	149.8 EBHP	5.8 PSI	880 lbs.
MH65	107.0 GPM	2050 PSI	2.559 in./65 mm	150.2 EBHP	6.1 PSI	880 lbs.



LHS50

Gearbox may be positioned as shown or at 45°, 90°, 135° or 180° from position shown.

LHS Series

	GPM	PSI	RPM	BORE	HP	MIN INLET	SHP WGHT
LHS50	77.4 GPM	3300 PSI	1750 RPM	1.969 in./50 mm	175 HP	5.5 PSI	800 lbs.
LHS55	93.8 GPM	2750 PSI	1750 RPM	2.165 in./55 mm	175 HP	5.8 PSI	800 lbs.
LHS60	112.0 GPM	2320 PSI	1750 RPM	2.362 in./60 mm	175 HP	6.1 PSI	800 lbs.

***Please consult technical guide or GP Sales Representative for temperature/Inlet Pressure information.**

Please refer to pages 48-51 for fittings, safety devices and other accessories. Performances refer to theoretical delivery with 100% volumetric efficiency. Under normal operating conditions, pump volumetric efficiency is over 95%. Please contact our technical staff in case of continuous, heavy-duty, or special applications.

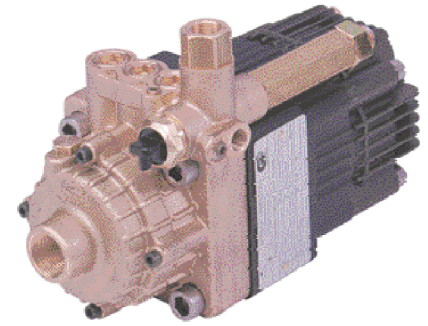
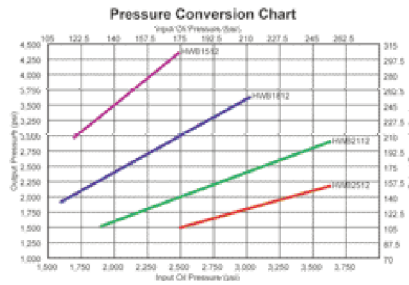
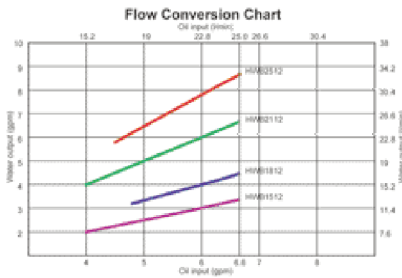
HYDRAULIC PUMPS

Hydraulic Series Pumps, turn your hydraulic power into cleaning power. This innovative design provides durability and power in a compact package. The one-piece design couples a powerful, reliable drive system to a professional grade pump that is lubricated internally by the hydraulic system. This pump requires no oil changes and no regular maintenance. The HydraClean comes complete with an adjustable unloader and thermal relief valve.

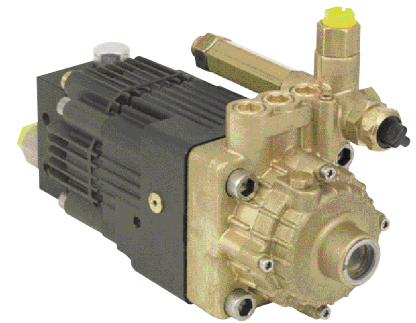
Max. Inlet Pressure: 150 PSI Max. Fluid Temperature: 145° F Inlet Port Thread: 3/4" NPT-F
Discharge Port Thread: 3/8" NPT-F Hydraulic Inlet Port: 1/2" BSP-F Hydraulic Return Port: 1/2" BSP-F
Pump Dimensions: 11.2" x 4.7" x 7.0" Product Group: Y

	HYDRAULIC MAX GPM	RATIO	WATER MAX GPM	HYDRAULIC MAX PRESSURE	RATIO	WATER MAX PRESSURE	SHP WGHT
HWB1512	6.6 GPM	0.5	3.3 GPM	2485 PSI	1.75	4350 PSI	19.0 lbs.
HWB1812	6.6 GPM	0.67	4.4 GPM	3020 PSI	1.2	3625 PSI	19.0 lbs.
HWB2112	6.6 GPM	1.0	6.6 GPM	3625 PSI	0.8	2900 PSI	19.0 lbs.
HWB2512	6.6 GPM	1.3	8.6 GPM	3625 PSI	0.6	2175 PSI	19.0 lbs.

To order above pumps w/attached flow regulators - add "R" to end of part number. Example HWB1512R



HWB1512



HWB1512R

Hydraulic Couplers

	DESCRIPTION	GPM	MAX PRESSURE	INLET	OUTLET	MAX TEMP	SHP WGHT
HFFQ001	Plug	14.0 GPM	4350 PSI	1/2" NPT-F	1/2" QC-M	250° F	1.0 lbs.
HFFQ002	Coupler	14.0 GPM	4350 PSI	1/2" QC-F	1/2" BSP-M	250° F	1.0 lbs.
HFFQ003	Plug	14.0 GPM	4350 PSI	1/2" BSP-M	1/2" QC-M	250° F	1.0 lbs.
HFFQ004	Coupler	14.0 GPM	4350 PSI	1/2" NPT-F	1/2" QC-F	250° F	1.0 lbs.



Hydraulic Couplers

All hydraulic pumps are covered under warranty from defects in material or workmanship for a period of one year from the date of shipment.

VEHICLE CLEANING APPLICATIONS



Self-service wash

- Single or multi-bay applications
- Spot-free rinse application
- Chemical application
- Pre-soak/Tire-motor cleaner
- Foam brush
- Reclaim water
- Weep-systems

Automatic wash

- Roll-over automatic
- Spot-free rinse application
- Pre-soak systems
- Weep systems
- Foam application

Tunnel wash

- Prep station
- Brush wetting
- Detergent application
- Spot-free rinse application
- Bay wash-down

Mobile vehicle wash

- Truck mounted wash units
- Spot-free rinse application

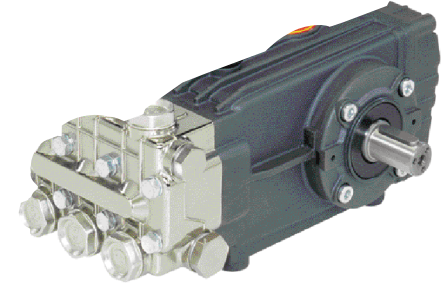
VEHICLE CLEANING PUMPS

Emperor Pumps

Emperor HTS, 47HT Series, Triplex plunger pump features exclusive HT technology. Specifically designed to handle the rigorous duty cycles, high temperatures and chemicals associated with self-service car wash applications. Also ideal for use in carpet cleaning and other high pressure cleaning applications.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 185° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm
Pump Dimensions: 12.2" x 9.2" x 6.9" 12.4" x 10" x 6.9" (with rails)
Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg) Crankcase Oil Capacity: 40.6 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTS2210S	2.6/4.0	2300	950/1450	.866 in/22 mm	.394 in/10 mm	4.1/6.3	32 lbs.
HTS2212S	3.2/4.75	2300	950/1450	.866 in/22 mm	.472 in/12 mm	5/7.5	32 lbs.
HTS2215S	4.0/5.0	2300	950/1200	.866 in/22 mm	.591 in/15 mm	4.1/7.8	32 lbs.

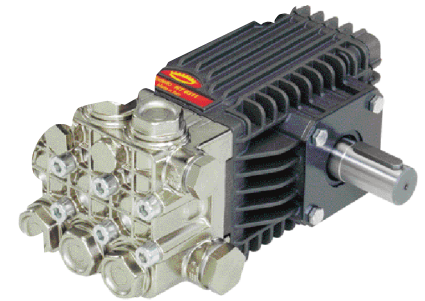


HTS2210S

Emperor HTX, 63HT Series, Triplex plunger pump features exclusive HT technology. Specifically designed to handle the rigorous duty cycles, high temperatures and chemicals associated with self-service car wash applications. Also ideal for use in carpet cleaning and other high pressure cleaning applications. This pump offers a compact and economical design.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 185° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm
Pump Dimensions: 8.4" x 8.3" x 4.8" 8.4" x 8.3" x 5.6" (with rails)
Max. Inlet Vacuum: 3 ft. water (2.9 in. Hg) Crankcase Oil Capacity: 14 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTX1810S	2.7/3.1	2000	1450/1750	.709 in./18 mm	.394 in./10 mm	3.5/4.2	18 lbs.
HTX1812S	3.2/3.8	2000	1450/1750	.709 in./18 mm	.472 in./12 mm	4.3/5.2	18 lbs.
HTX1813S	3.5	2500	1450	.709 in./18 mm	.512 in./13 mm	6	18 lbs.

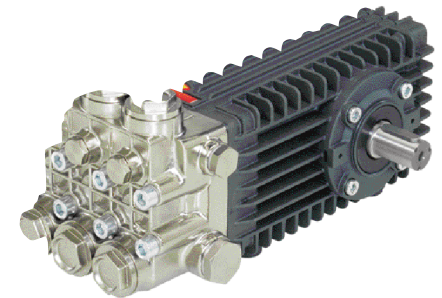


HTX1810S

Emperor HTF, 66HT Series, Triplex plunger pump features exclusive HT technology. Designed for use in prep units, conveyor and multiple gun applications. Excellent for carpet cleaning and for use in industrial plant systems where hot water is required.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 185° F Inlet Port Thread: 3/4" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm
Pump Dimensions: 13.27" x 9.6" x 6.23" 13.4" x 9.8" x 7.5" (with rails)
Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg) Crankcase Oil Capacity: 31 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTF2018S	4.0/5.0/7.5	3600	950/1200/1750	.787 in/20 mm	.748 in/18 mm	10/12/18.5	41 lbs.
HTF2221S	8.5/10.2	3000	1450/1750	.866 in/22 mm	.826 in/21 mm	17.5/21	41 lbs.
HTF2421S	10.0/12.0	3000/2500	1450/1750	.945 in/24 mm	.826 in/21 mm	20.5	41 lbs.

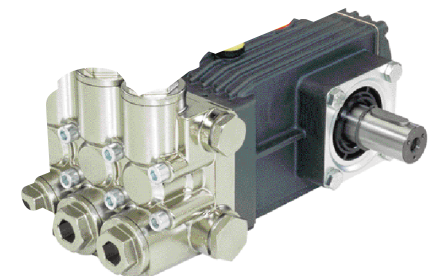


HTF2018S

Emperor HTW, 69HT Series, Triplex plunger pump features exclusive HT technology. Designed for touchless car wash systems, multiple gun systems and industrial plant systems where hot water is required.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 185° F Inlet Port Thread: 1" - 11 BSP-F
Discharge Port Thread: 3/4" - 14 BSP-F Shaft Diameter: 1.378 in./35 mm
Pump Dimensions: 13" x 11.9" x 7.3" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)
Crankcase Oil Capacity: 50.7 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTW3624S	18.0	1200	1000	1.417 in/36 mm	.945 in/24 mm	19.5	57 lbs.



HTW3624S

VEHICLE CLEANING PUMPS

Emperor Pumps

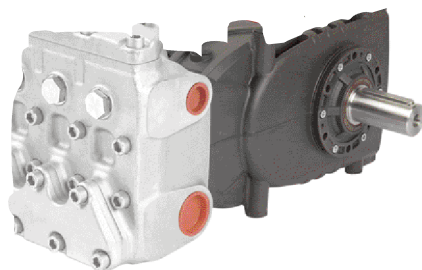


HTCK3623S

Emperor HTCK3623S, 70 Series, Triplex plunger pump features exclusive HT technology. Designed specifically for use in rollover car wash systems and other industrial plant systems where hot water is required.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 185° F Inlet Port Thread: 1" NPT-F
Discharge Port Thread: 1/2" NPT-F Shaft Diameter: 1.181 in./30 mm
Pump Dimensions: 15.3" x 13.4" x 7.7" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)
Crankcase Oil Capacity: 64.2 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTCK3623S	21.0/25.0	1500/1300	1150/1350	1.4 in/36 mm	.9/23 mm	22.0	79.6 lbs.



HTCK4050S

Emperor HTCK4050S, 71 Series, Triplex plunger pump features exclusive HT technology. Designed as a direct replacement for Cat's 3535 with the distinct advantage of featuring General Pump's patented HT technology. Ideal for use in rollover car washes and other industrial plant systems where hot water is required.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 185° F Inlet Port Thread: 1-1/2" NPT-F
Discharge Port Thread: 1" NPT-F Shaft Diameter: 1.575 in./40 mm
Pump Dimensions: 20.7" x 14.5" x 9.9" Max. Inlet Vacuum: 3 ft. water (2.6 in. Hg)
Crankcase Oil Capacity: 124.4 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
HTCK4050S	36.0	1500	800	1.6 in/40 mm	1.9/50 mm	38.0	157 lbs.

HT150RCK Pump Rails
 ZUH40 Universal Hub, 40 mm

Vehicle Cleaning Pumps



CW2040

Car Wash Series 47 Triplex Plunger Pump – Forged brass manifold with an exclusive lifetime warranty. The preferred pump frame in the car wash self-service industry. Solid ceramic plungers with continuously lubricated packings.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1/2" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: .945 in./24 mm (dual shaft)
Pump Dimensions: 11.4" x 10.8" x 6.9" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)
Crankcase Oil Capacity: 33.8 oz. Product Group: X

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
CW2004	4.0 GPM	2000 PSI	1750 RPM	.787 in./20 mm	.394 in./10 mm	5.5 EBHP	30.0 lbs.
CW2040	5.0 GPM	2500 PSI	1250 RPM	.787 in./20 mm	.630 in./16 mm	8.6 EBHP	30.0 lbs.
CW24	5.0 GPM	2500 PSI	1250 RPM	.787 in./20 mm	.630 in./16 mm	8.6 EBHP	30.0 lbs.
CW3040	5.0 GPM	3000 PSI	1250 RPM	.787 in./20 mm	.630 in./16 mm	10.3 EBHP	32.0 lbs.

- 190237 CW2040 Pump and Retrofit Rail and 24 MM H Bushing for Cat 310 Replacement
- 190238 CW2040 Pump and Retrofit Rail and 8" OD Pulley for Cat 310 Replacement
- 190239 CW3040 Pump and Retrofit Rail for Cat 530 Replacement
- 190245 CW3040L Pump and Retrofit Rail and H Bushing for Cat 530 Replacement

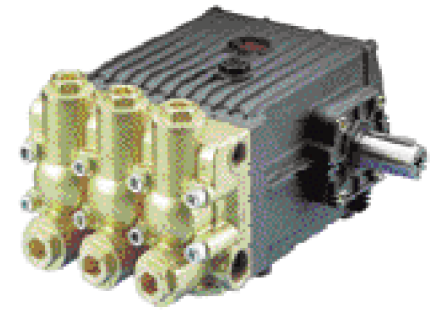
All car wash pumps are covered under warranty for damage caused by fresh water wash out for the life of the pump.

VEHICLE CLEANING PUMPS

Car Wash Series 69 Triplex Plunger Pump – Forged brass manifold with an exclusive lifetime warranty. The preferred pump frame in the two-gun prep conveyor and tunnel car wash industry. Solid ceramic plungers with continuously lubricated packings.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 3/4" - 14 BSP-F
Discharge Port Thread: 3/8" - 19 BSP-F Shaft Diameter: 1.378 in./35 mm
Pump Dimensions: 13.0" x 11.9" x 7.3" Crankcase Oil Capacity: 50.7 oz.
Max. Inlet Vacuum: 2 ft. water (1.8 in. Hg) Product Group: Y

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
CW1012	10.0 GPM	1200 PSI	750 RPM	1.18 in./30 mm	.946 in./24 mm	8.2 EBHP	45.0 lbs.
CW1012	12.0 GPM	1000 PSI	900 RPM	1.18 in./30 mm	.946 in./24 mm	8.2 EBHP	45.0 lbs.



CW1012

Car Wash Series 76 Triplex Plunger Pump – Forged brass manifold with an exclusive lifetime warranty. Oversized bronze connecting rods for maximum life. Solid ceramic plungers with continuously lubricated packings.

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: 1" - 11 BSP-F
Discharge Port Thread: 3/4" - 14 BSP-F Shaft Diameter: 1.378 in./35 mm
Pump Dimensions: 15.6" x 14.0" x 9.5" Max. Inlet Vacuum: 9 ft. water (7.9 in. Hg)
Crankcase Oil Capacity: 91.0 oz. Product Group: Y

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
CW61	17.0 GPM	1200 PSI	1000 RPM	1.417 in./36 mm	.945 in./24 mm	14.0 EBHP	92.0 lbs.
CW81	21.0 GPM	1200 PSI	1000 RPM	1.417 in./36 mm	1.102 in./28 mm	17.3 EBHP	92.0 lbs.

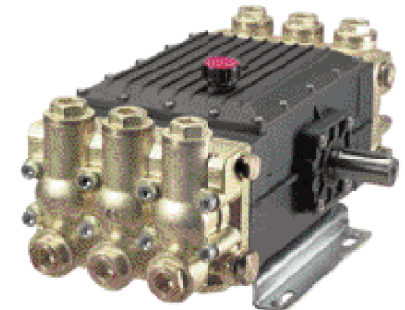


CW61

Car Wash Series 77 Sixplex Plunger Pump – Forged brass manifold with an exclusive lifetime warranty. Most widely used pump frame in the touchless car wash industry. Dual manifolds utilizing a common crankcase for efficient performance. (Recommend Series 80/90 Oil, part number 100734.)

Max. Inlet Pressure: 125 PSI Max. Fluid Temperature: 165° F Inlet Port Thread: Dual 1" - 11 NPT-F
Discharge Port Thread: Dual 3/4" - 14 NPT-F Shaft Diameter: 1.378 in./35 mm
Crankcase Oil Capacity: 2 quarts Pump Dimensions: 22.1" x 14.0" x 9.7"
Max. Inlet Required: Flooded Product Group: Y

	GPM	PSI	RPM	BORE	STROKE	HP	SHP WGHT
CW1541	41.0 GPM	1200 PSI	1000 RPM	1.417 in./36 mm	1.102 in./28 mm	33.7 EBHP	156 lbs.



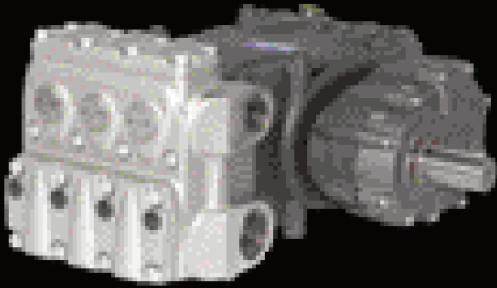
CW1541

See page 52 for Vehicle Cleaning Accessories.

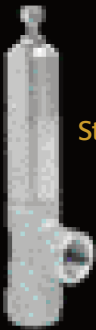
All car wash pumps are covered under warranty for damage caused by fresh water wash out for the life of the pump.

2007 New Products

KS



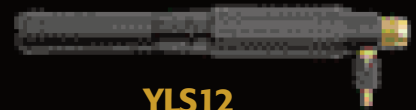
TS1811



ZKSX1
Stainless Steel Regulating Valve,
15.85 GPM, 3600 PSI



YG1732
Rear Entry Spray Gun,
SS, 32 GPM, 1740 PSI



YLS12
Foamer Lance with
1.5 mm Injector



ZKX600
Industrial Unloader



YG2953B
Rear Entry Spray Gun,
SS, 53 GPM



DG3700M
Gun Lance Combination,
6.5 GPM, 3700 PSI



100783
Extraction Kit, 13 mm
through 24 mm



YG7221



ZRMAX2220
Industrial Rotating Nozzle



GENERAL PUMP

ACCESSORIES



LUBRICANTS

TRAPPED PRESSURE

UNLOADERS

FLOW SENSITIVE UNLOADERS

REGULATING VALVES

SAFETY RELIEF VALVES

NEEDLE VALVES

PUMP THERMAL PROTECTORS

CHECK VALVES

CHEMICAL INJECTORS

SPRAY GUNS

LANCES

HOSE REELS

HIGH-PRESSURE SPRAY TIPS

ADJUSTABLE AND ROTATING

NOZZLES

TANK CLEANING NOZZLES

COUPLERS AND FITTINGS

INLET FILTERS AND STRAINERS

THERMOSTATS

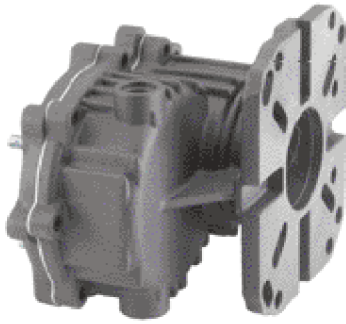
PRESSURE SWITCHES

FLOW SWITCHES

SWIVELS

ACCUMULATORS

DRIVE COMPONENTS



ZGR1000

Gear Reducers and Multipliers

Product Group: F

	DESCRIPTION	SHP WGHT
ZGR0750	2.4 to 1 Reduction for 3/4" Shafted Engines, 3 to 5 HP, J609A (Series 49 & 50 at 1450 RPM)	5.0 lbs.
ZGR1000	2.2 to 1 Reduction for 1" Shafted Engines, 7 to 18 HP, J609B (Series 47 at 1450 RPM)	11.0 lbs.
ZGR1125	2.2 to 1 Reduction for 1 1/8" Shafted Engines, 7 to 18 HP, J609B (Series 47 & 48 at 1450 RPM)	11.0 lbs.
SGR1125	Mounting Plate for Flat mounting (ZGR1000 and ZGR1125)	0.5 lbs.



YGR1000

	DESCRIPTION	SHP WGHT
YGR0750	2.4 to 1 Reduction, 3/4" Shafted Engines, 3 to 5 HP, J609A (Series 49 & 50 at 1450 RPM)	4.0 lbs.
YGR1000	2.2 to 1 Reduction, Dual Bearing, 1" Shafted Engines, 11 to 18 HP, J609B (Series 47 at 1450 RPM)	6.0 lbs.
YGR1000P	2.2 to 1 Reduction, Dual Bearings, 1" Shafted Engines, 11 to 24 HP, J609B (Series 47 & 66 at 1450 RPM)	6.0 lbs.
YGR1125	2.2 to 1 Reduction, 1 1/8" Shaft, Dual Bearings, 11 to 18 HP, J609B (Series 47 & 48 at 1450 RPM)	6.0 lbs.
YGR1125P	2.2 to 1 Reduction, Dual Bearings, 1 1/8" Shafted Engines, 11 to 24 HP, J609B (Series 47, 48 & 66 at 1450 RPM)	6.0 lbs.
ZGRPTO	1 to 1.9 Multiplier, 540 RPM PTO, 1 3/8" Spline Shaft, up to 10 HP Pumps	9.5 lbs.

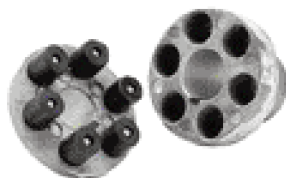


ZGL100

Flex Coupler

Product Group: F

	DESCRIPTION	SHP WGHT
ZG56C	24 mm x 5/8" (Finger)	1.2 lbs.
ZG145TC	24 mm x 7/8" (Finger)	1.3 lbs.
ZG184TC	24 mm x 1 1/8" (Finger)	1.5 lbs.
ZG202	24 mm x 1 3/8" (Finger)	2.5 lbs.
ZGL100	24 mm x 1" (Jaw) for use with ZF811 on 8 to 11 HP Engines	3.0 lbs.
ZGL199	24 mm x 1 1/8" (Jaw) for use with 5 HP 184TC Frame and 213/215 TC Frame	3.0 lbs.



ZG184TC

Flanges

Product Group: F

**ensure pump and motor RPM's match when selecting flanges*



ZF184

	DESCRIPTION	SHP WGHT
ZF184	For NEMA-C Electric Motors 184TC Frame, 3 and 5 HP (Series 49, 50 and 63 Pumps)	3.0 lbs.
640042	Gas Flange Adapter (TT/TP Series 51 Pumps)	0.3 lbs.
ZF213215	For NEMA-C Electric Motors, 213TC, 215TC and 184TC Frames, 5 and 7-1/2 HP (Series 47 and 48 Pumps)	4.0 lbs.
ZF56145	For NEMA-C Electric Motors, 56C, 145TC & 182TC Frames, 1-1/2 HP and 2 HP (Series 49 and 50 Pumps)	1.5 lbs.
ZF811	Gas Engine Flange for 8 to 11 HP Gas Engines (TT9351 or TT9441 Pumps)	3.0 lbs.
ZFWWS	Gas Engine Flange for 3.5 to 8 HP Gas Engines (TT/TP Series 51 Pumps)	2.0 lbs.
ZFWWU	For NEMA-C Electric Motors 56C Frame (TT/TP Series 51 Pumps)	2.0 lbs.

DRIVE COMPONENTS

Pulleys *Product Group: F*

2 Groove, A Section Aluminum Pulley

	DESCRIPTION	SHP WGHT
ZP100	100 mm	1.0 lbs.
ZP140	140 mm	1.4 lbs.
ZP160	160 mm	1.8 lbs.
190225	Pulley and Rail Kit (includes 639015 and (2) 540015)	1.5 lbs.
639015	1 Groove, B Section, Aluminum, 8" Outer Diameter, 24 mm Hub	1.5 lbs.
ZP4140	4 Groove, B Section, Aluminum, 32 mm	2.5 lbs.



ZP-Pulleys

Browning Type "H" Pulley Bushing *Product Group: F*

	DESCRIPTION	SHP WGHT
ZBBH24	24 mm	0.5 lbs.
ZBBH32	32 mm	0.5 lbs.
ZBBH35	35 mm	0.5 lbs.
ZUH40	40 mm, Universal	1.0 lbs.

Clutches *Product Group: C*

	DESCRIPTION	SHP WGHT
100687	12 Volt Double Groove Clutch Adapter Kit for 47 Series Pumps	11.0 lbs.
100688	12 Volt Double Groove Clutch Adapter Kit for 44 & 50 Series Pumps	11.0 lbs.
100717	12 Volt Single Groove Clutch Adapter Kit for 47 Series Pumps	11.0 lbs.
100718	12 Volt Single Groove Clutch Adapter Kit for 44 & 50 Series Pumps	11.0 lbs.
100719	24 Volt Double Groove Clutch Adapter Kit for 47 Series Pumps	11.0 lbs.
100720	24 Volt Double Groove Clutch Adapter Kit for 44 & 50 Series Pumps	11.0 lbs.



100687

Oil *Product Group: M*

	DESCRIPTION	SHP WGHT
100295	Series 100 Oil, 16 oz. Bottle	3.0 lbs.
100552	Series 100 Oil, 2 1/2 Gallons	25.0 lbs.
100450	Series 220 Industrial Oil, 2 1/2 Gallons	25.0 lbs.
100734	Series 8090 Oil, 2 1/2 Gallons	25.0 lbs.
100256	Grease Gun Kit, 3 oz. Tube with Gun	2.0 lbs.
100264	Packing Lubricant, 3 oz. Tube	0.70 lbs.
100278	Industrial Packing Lubricant, 12 oz. Tube	0.75 lbs.

Bulk Packaged Oil *Product Group: B*

100214	Series 100 Oil, 6-pack of 16 oz. Bottles	7.0 lbs.
100216	Series 100 Oil, 24-pack of 16 oz. Bottles	25.0 lbs.
100553	Series 100 Oil, 2 - 2 1/2 Gallons	50.0 lbs.
100219	Series 100 Oil, 15 Gallon Plastic Drum	117.0 lbs.
100016	Series 220 Industrial Oil, 6-pack of 16 oz. Bottles	7.0 lbs.
100217	Series 220 Industrial Oil, 5 Gallons	50.0 lbs.
100735	Series 8090 Oil, 2.5 Gallon Twin Pack	50.0 lbs.

*Series 100 oil is 30 weight
Series 220 oil is 50 weight
Series 8090 is 80/90 weight gear lube*



Oil

VALVES



YU815



YU831



PULSAR3KHP



ZK6010

NEW!



ZK4010

Trapped Pressure Unloaders

Product Group: S

Single Port Unloader White Spring

	GPM	RATED	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHW WGHT
YU815	8 GPM	1450 PSI	1750 PSI	3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	195° F	1.5 lbs.
YU815RK	8 GPM	1450 PSI	1750 PSI	3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	195° F	1.5 lbs.

Multi-port unloader

YU815D	8 GPM	1450 PSI	1750 PSI	(2) 3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	1.5 lbs.
YU815DRK	8 GPM	1450 PSI	1750 PSI	(2) 3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	1.5 lbs.

PULSAR3KMS2	8 GPM	3200 PSI	3650 PSI	3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	2.0 lbs.
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Single Port Unloader Blue Spring

YU831	8 GPM	3200 PSI	3650 PSI	3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	195° F	1.4 lbs.
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Multi-port unloader

YU831D	8 GPM	3200 PSI	3650 PSI	(2) 3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	1.5 lbs.
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Multi-port unloader with a built-in downstream chemical injector

YU831DI	8 GPM	3200 PSI	3650 PSI	(2) 3/8" NPT-F	3/8" NPT-M	(2) 3/8" NPT-F	195° F	2.0 lbs.
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Multi-port unloader with 2.1 mm Adjustable Injector (2.6 to 4 GPM) with knob

YU831DIRK	8 GPM	3200 PSI	3650 PSI	(2) 3/8" BSP-F	3/8" BSP-F	(2) 3/8" BSP-F	195° F	2.0 lbs.
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Unloader with pressure adjustment knob

YU831RK	8 GPM	3200 PSI	3650 PSI	3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	195° F	1.5 lbs.
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Product Group: N

YUKNOB	Pressure Adjusting Knob for YU815 and YU831 Unloaders							0.2 lbs.
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Product Group: S

PULSAR3	8.1 GPM	3200 PSI	3650 PSI	3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	195° F	1.5 lbs.
PULSAR3KHP	8.1 GPM	3600 PSI	4000 PSI	3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	195° F	1.5 lbs.
PULSAR3HP	8.1 GPM	3600 PSI	4000 PSI	3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	195° F	1.0 lbs.

Unloader with Easy Start

PULSAR3KHPEZ	8.0 GPM	3600 PSI	4000 PSI	3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	1.6 lbs.
P3KHPEZF21	8.0 GPM	3600 PSI	4000 PSI	3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	195° F	1.6 lbs.

PULSAR3 with Viton Packings

Y60012205	8.0 GPM	1500 PSI		3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	195° F	1.5 lbs.
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ZK3608	2.11 to 8.0 GPM	3600 PSI	3/8" BSP-F	3/8" BSP-M	(2) 3/8" BSP-F	165° F	2.3 lbs.
ZK4010	2.11 to 10.5 GPM	4000 PSI	3/8" BSP-F	3/8" BSP-M	(2) 3/8" BSP-F	185° F	2.3 lbs.
ZK6010	2.11 to 10.6 GPM	6000 PSI	1/2" BSP-F	1/2" BSP-M	1/2" BSP-M	165° F	6.2 lbs.

VALVES

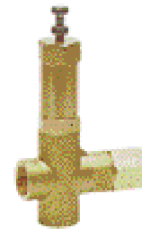
Trapped Pressure Unloaders

Product Group: S

	GPM	RATED	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHP WGHT
Yellow Spring YU2121	21 GPM	2200 PSI	2450 PSI	(2) 1/2" NPT-F	1/2" NPT-F	(2) 1/2" NPT-F	200° F	3.1 lbs.
White Spring YUW2121	21 GPM	2200 PSI	2450 PSI	(2) 1/2" NPT-F	1/2" NPT-F	(2) 1/2" NPT-F	200° F	3.1 lbs.
Green Spring YU2140	21 GPM	4050 PSI	4350 PSI	(2) 1/2" NPT-F	1/2" NPT-F	(2) 1/2" NPT-F	200° F	3.1 lbs.
Hi-flow YU5221	53.0 GPM	2200 PSI	2450 PSI	1" NPT-F	1" NPT-F	1" NPT-F	200° F	4.5 lbs.



YU2121



YU5221

303 Stainless Steel
Product Group: K

YU2158	21 GPM	5800 PSI	6500 PSI	(2) 1/2" NPT-F	1/2" NPT-F	(2) 1/2" NPT-F	200° F	4.0 lbs.
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YU2158

Adjustable Trapped Pressure Unloaders

Product Group: S

YVB7K	8 GPM	3200 PSI	3650 PSI	3/8" NPT-M	3/8" NPT-F	3/8" NPT-F	195° F	1.2 lbs.
YVB9K	8 GPM	3200 PSI	3650 PSI	3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	195° F	2.0 lbs.



YVB7K



YVB9K

VALVES



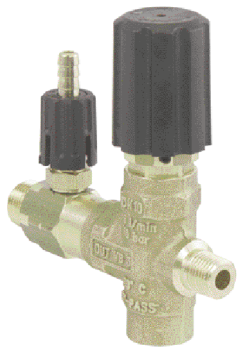
YVB8KMS



ZKHM



YU5075KMM



YVB3KTTI18

Adjustable Trapped Pressure Unloaders

Product Group: S

	GPM	RATED	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHW WGHT
with Microswitch – 5 amp								
YVB8KMS	8.0 GPM	3200 PSI	3650 PSI	3/8" BSP-F	3/8" BSP-F	(2) 3/8" BSP-F	195° F	2.0 lbs.
YVB9KMS2	8.0 GPM	3200 PSI	3650 PSI	3/8" BSP-F	3/8" BSP-F	3/8" BSP-F	195° F	2.0 lbs.

with Microswitch – 5 amp, Stainless Steel Check Valve

YVB9KMSS	8.0 GPM	3200 PSI	3650 PSI	3/8" BSP-F	1/2" BSP-M	3/8" BSP-F	195° F	2.0 lbs.
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	GPM	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHW WGHT
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Regulating Unloader

ZKHM	10.8 GPM	3000 PSI	3/8" BSP-F	1/4" BSP-F & 3/8" BSP-M	(2) 3/8" BSP-F	195° F	2.5 lbs.
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Regulating Unloader without Spring & Knob with EZ Start

ZKHM1	10.8 GPM	3000 PSI	3/8" BSP-F	1/4" BSP-F & 3/8" BSP-M	(2) 3/8" BSP-F	195° F	2.5 lbs.
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	GPM	RATED	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHW WGHT
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High Pressure Unloaders with Knob (YU4050K - Black, YU5075K - Red)

YU4050K	10.0 GPM	4050 PSI	4500 PSI	3/8" BSP-M	3/8" BSP-F	1/2" BSP-F	195° F	2.0 lbs.
YU5075K	10.0 GPM	5075 PSI	5650 PSI	3/8" BSP-M	3/8" BSP-F	1/2" BSP-F	195° F	2.0 lbs.
YU5075KS	10.0 GPM	5075 PSI	5650 PSI	3/8" BSP-M	3/8" BSP-F	1/2" BSP-F	195° F	2.0 lbs.

with Microswitch – 5 amp, Stainless Steel Check Valve

YU5075KMS	10.0 GPM	5075 PSI	5650 PSI	3/8" BSP-M	3/8" BSP-F	3/8" BSP-F	195° F	3.0 lbs.
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Premium Pressure-Compensating Unloader min-max setting, Stainless Steel Check Valve, Brass Knob

	GPM	RATED	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHW WGHT
YU5075KMM	10.0 GPM	5075 PSI	5650 PSI	3/8" BSP-M	3/8" BSP-F	1/2" BSP-F	195° F	3.0 lbs.

Trapped Pressure Unloader for the TT Series 51 Pump

	GPM	RATED	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHW WGHT
YVB3K	6.5 GPM	3200 PSI	3650 PSI	3/8" BSP-F	3/8" BSP-F	3/8" BSP-F	195° F	1.0 lbs.
YVB3KTT	6.5 GPM	3200 PSI	3650 PSI	1/4" NPT-M	3/8" NPT-M	3/8" NPT-F	195° F	1.0 lbs.

Unloader with Knob and Injector

	GPM	RATED	MAX	INLET	OUTLET	BYPASS	INJECTOR	MAX TEMP	SHW WGHT
YVB3KTTI18	6.5 GPM	3200 PSI	3650 PSI	1/4" NPT-M	3/8" NPT-M	3/8" NPT-F	1.8 mm	195° F	1.25 lbs.
YVB3KTTI21	6.5 GPM	3200 PSI	3650 PSI	1/4" NPT-M	3/8" NPT-M	3/8" NPT-F	2.1 mm	195° F	1.25 lbs.
YVB3KTTI23	6.5 GPM	3200 PSI	3650 PSI	1/4" NPT-M	3/8" NPT-M	3/8" NPT-F	2.3 mm	195° F	1.25 lbs.

VALVES

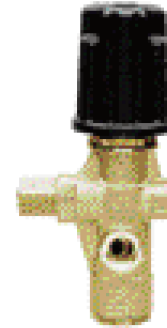
Modified Pressure Unloaders

Product Group: S

	GPM	RATED	MAX	INLET	OUTLET	HOSE BARB	MAX TEMP	SHP WGHT
YU3678	8 GPM	3200 PSI	3650 PSI	3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	195° F	2.5 lbs.

Stainless Steel Check Valve

YU3678MS	8 GPM	3200 PSI	3650 PSI	3/8" NPT-F	1/2" NPT-M	3/8" NPT-F	195° F	2.5 lbs.
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YU3678

Control Set Unloaders

Product Group: S

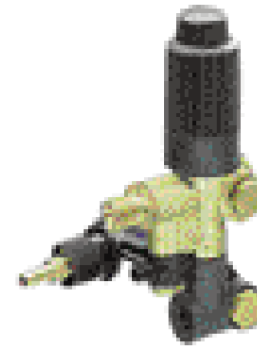
	GPM	RATED	MAX	INLET	OUTLET	HOSE BARB	MAX TEMP	SHP WGHT
Direct Mount Unloader with Chemical Injector, Pressure Gauge and Filter								
ZOKR1	2.1 GPM	1000 PSI	1000 PSI	3/8" BSP-F	M22	1/4"	165° F	2.0 lbs.

Direct Mount Unloader with 2 mm Injector

ZKW1	3 GPM	1600 PSI	1600 PSI	3/8" BSP-F	3/8" BSP-M	1/4"	165° F	2.0 lbs.
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Direct Mount Unloader without Injector

ZKW1SC	3 GPM	1600 PSI	1600 PSI	3/8" BSP-F	3/8" BSP-M	1/4"	165° F	2.0 lbs.
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ZKW1

New Interpump direct-mount, control-set unloaders, available with or without injectors

ZKW326	2.6 GPM	3000 PSI	3000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	165° F	2.0 lbs.
ZKW340	4.0 GPM	3000 PSI	3000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	165° F	2.0 lbs.
ZKW355	5.5 GPM	3000 PSI	3000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	165° F	2.0 lbs.

NEW!



ZKW326

Direct Mount Unloader with 2.2 mm Injector

ZKW21	4.5 GPM	3000 PSI	3000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	200° F	2.0 lbs.
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Long body Unloader with 2.2 mm Injector

ZKW21L	4.5 GPM	3000 PSI	3000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	200° F	2.0 lbs.
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Long body Unloader with 2.5 mm Injector

ZKW22L	6.0 GPM	3000 PSI	3000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	200° F	2.0 lbs.
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Long body Unloader without Injector

ZKW2LSC	6.0 GPM	3000 PSI	3000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	200° F	2.0 lbs.
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Unloader with 2.2 mm Injector

ZKW2SC	4.5 GPM	3000 PSI	3000 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	200° F	2.0 lbs.
190043	ZKW2SC with Banjo Fittings							



ZKW21

VALVES



YVB351KDM

Control Set Unloaders

Direct Mount Unloaders for TT/TP Series 51 Pumps

Product Group: S

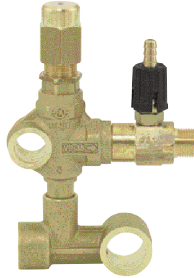
	GPM	RATED	MAX	INLET	OUTLET	INJECTOR	MAX TEMP	SHW	BOX QTY
YVB351KDM	6.5 GPM	3200 PSI	3650 PSI	3/8" BSP-F	1/4" BSP-F	N/A	195° F	1.8 lbs.	24
YVB351KDMI18	6.5 GPM	3200 PSI	3650 PSI	3/8" BSP-F	1/4" BSP-F	1.8 mm	195° F	1.9 lbs.	20
YVB75KTP	8.0 GPM	3200 PSI	3650 PSI	3/8" BSP-F	3/8" BSP-M	N/A	195° F	1.8 lbs.	20
YVB75KTPF21	8.0 GPM	3200 PSI	3650 PSI	3/8" BSP-F	3/8" BSP-M	2.1 mm	195° F	2.1 lbs.	20

Direct Mount Unloaders for EZ, 47 and 63 Series Pumps

	GPM	RATED	MAX	INLET	OUTLET	HOSE BARB	INJECTOR	MAX TEMP	SHW	BOX QTY
YVB35KDM	6.5 GPM	3200 PSI	3650 PSI	1/2" BSP-F	3/8" BSP-M	N/A	N/A	195° F	1.5 lbs.	20
YVB35KDMI18	6.5 GPM	3200 PSI	3650 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	1.8 mm	195° F	1.8 lbs.	15
YVB35KDMI21	6.5 GPM	3200 PSI	3650 PSI	1/2" BSP-F	3/8" BSP-M	1/4"	2.1 mm	195° F	1.8 lbs.	15
YVB55KDM	8.0 GPM	3200 PSI	3650 PSI	1/2" BSP-F	3/8" BSP-F	N/A	N/A	195° F	2.0 lbs.	20
YVB55KDMI21	8.0 GPM	3200 PSI	3650 PSI	1/2" BSP-F	3/8" BSP-F	1/4"	2.1 mm	195° F	2.1 lbs.	20
YVB75KDMN	7.8 GPM	3200 PSI	3650 PSI	1/2" BSP-F	3/8" BSP-F	N/A	N/A	195° F	1.8 lbs.	20
YVB75KDMN21	7.8 GPM	3200 PSI	3650 PSI	1/2" BSP-F	3/8" BSP-F	1/4"	2.1 mm	195° F	2.1 lbs.	20



YVB75KDMN



YVB55KDM

EZ Series Only

YU4050KDM	10.0 GPM	4050 PSI	4500 PSI	3/8" BSP-F	3/8" BSP-M	N/A	N/A	195° F	3.0 lbs.	10
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Flow Sensitive Unloaders

Product Group: S

Inlet: 3/8" BSP-F

	GPM	MAXIMUM	OUTLET	BYPASS	MAX TEMP	SHW	BOX QTY
ZK1	2.3 to 10.8 GPM	3600 PSI	1/2" BSP-M	1/2" BSP-M	165° F	2.3 lbs.	10
ZK138	2.3 to 10.8 GPM	3600 PSI	3/8" BSP-M	1/2" BSP-M	165° F	2.3 lbs.	10

Inlet: 3/8" BSP-F

	GPM	MAXIMUM	OUTLET	BYPASS	MAX TEMP	SHW	BOX QTY
ZK30	2.1 to 3.0 GPM	1500 PSI	3/8" BSP-M	3/4" BSP-M/F	165° F	2.0 lbs.	10
ZK31	3.0 to 4.2 GPM	1500 PSI	3/8" BSP-M	3/4" BSP-M/F	165° F	2.0 lbs.	10
ZK32	4.2 to 5.5 GPM	1500 PSI	3/8" BSP-M	3/4" BSP-M/F	165° F	2.0 lbs.	10
ZK33	5.0 to 6.0 GPM	1500 PSI	3/8" BSP-M	3/4" BSP-M/F	165° F	2.0 lbs.	10

ZK50	2.1 to 3.0 GPM	3000 PSI	3/8" BSP-M	3/4" BSP-M/F	165° F	2.5 lbs.	10
ZK51	3.0 to 4.2 GPM	3000 PSI	3/8" BSP-M	3/4" BSP-M/F	165° F	2.5 lbs.	10
ZK52	4.2 to 6.6 GPM	3000 PSI	3/8" BSP-M	3/4" BSP-M/F	165° F	2.5 lbs.	10
ZK53	6.6 to 10.8 GPM	3000 PSI	3/8" BSP-M	3/4" BSP-M/F	165° F	2.5 lbs.	10

ZK70 (GPV)	2.1 to 3.0 GPM	3500 PSI	3/8" BSP-M	3/8" BSP-F	165° F	5.0 lbs.	5
ZK71 (GPV)	3.0 to 4.2 GPM	3500 PSI	3/8" BSP-M	3/8" BSP-F	165° F	5.0 lbs.	5
ZK72 (GPV)	4.2 to 6.6 GPM	3500 PSI	3/8" BSP-M	3/8" BSP-F	165° F	5.0 lbs.	5
ZK73 (GPV)	6.6 to 10.8 GPM	3500 PSI	3/8" BSP-M	3/8" BSP-F	165° F	5.0 lbs.	5

ZK9	2.5 to 13.2 GPM	5800 PSI	3/8" BSP-M	1/2" BSP-F	165° F	11.0 lbs.	1
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ZK72 Unloader with #1 Bypass Orifice 190009	4.2 to 6.6 GPM	3000 PSI	3/8" BSP-M	3/8" BSP-F	165° F	5.0 lbs.	5
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ZK71 Unloader with a #0 Bypass Orifice 190079	3.0 to 4.2 GPM	3000 PSI	3/8" BSP-M	3/8" BSP-F	165° F	5.0 lbs.	5
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ZK73 Unloader with #2 Bypass Orifice 190361	6.6 to 10.8 GPM	3000 PSI	3/8" BSP-M	3/8" BSP-F	165° F	5.0 lbs.	5
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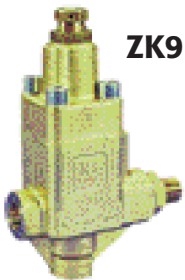
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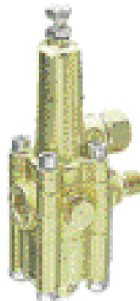
ZK50



ZK3



ZK9



ZK7

VALVES

Balanced Relief Valves

Product Group: T

	GPM	RATED	MAX	INLET	BYPASS	MAX TEMP	SHW WGT	BOX QTY
YBRV5325	53 GPM	2600 PSI	2900 PSI	3/4" BSP-F	1/2" BSP-F	195° F	2.0 lbs.	4
YBRV624	6.3 GPM	2200 PSI	2450 PSI	3/8" BSP-F	3/8" BSP-F	195° F	0.8 lbs.	40
YBRV624D	6.3 GPM	2200 PSI	2450 PSI	(2) 3/8" BSP-F	3/8" BSP-F	195° F	1.0 lbs.	40
YBRV631	6.3 GPM	3200 PSI	3650 PSI	3/8" BSP-F	3/8" BSP-F	195° F	0.8 lbs.	40
YBRV631D	6.3 GPM	3200 PSI	3650 PSI	(2) 3/8" BSP-F	3/8" BSP-F	195° F	1.0 lbs.	40
100268	6.3 GPM	300 PSI	N/A	(2) 3/8" BSP-F	3/8" BSP-F	195° F	1.0 lbs.	40
100269	6.3 GPM	300 PSI	N/A	3/8" BSP-F	3/8" BSP-F	195° F	0.8 lbs.	40



YBRV624D



YBRV5325

Regulating Valves

Product Group: S

	GPM	RATED	INLET	OUTLET	BYPASS	MAX TEMP	SHW WGT	BOX QTY
ZKXH	4.0 GPM	1900 PSI	3/8" BSP-M	3/8" BSP-M	3/8" BSP-M	165° F	0.6 lbs.	5
ZKXS1	16.0 GPM	3600 PSI	1/2" BSP-M	1/2" BSP-M	-	185° F	2.3 lbs.	1
YVS5100B	6.5 GPM	5600 PSI	3/8" BSP-F	3/8" BSP-F	3/8" BSP-F	195° F	1.0 lbs.	25

NEW!



ZKXS1

Regulators

Product Group: S

	DESCRIPTION	GPM	RATED	INLET	OUTLET	MAX TEMP	WGHT
100878	Brass	5.0 GPM	2000 PSI	3/8" NPT-F	1/4" NPT-F	190° F	1.3 lbs.
100892	Nickel Plated	5.0 GPM	2000 PSI	3/8" NPT-F	1/4" NPT-F	220° F	1.4 lbs.



100892



100878

VALVES



ZKSR

Safety Relief Valves

Product Group: T

	GPM	MAX	INLET	OUTLET	MAX TEMP	SHW WGHT
ZKSR	1.3 to 10.8 GPM	3000 PSI	3/8" BSP-M	1/4" BSP-F	165° F	1.5 lbs.



100722

Side Discharge with Hose Barb

100724	6.0 GPM	6000 PSI	1/4" NPT	Side w/ 1/4" Barb	195° F	1.0 lbs.
100723	6.0 GPM	6000 PSI	3/8" NPT	Side w/ 1/4" Barb	195° F	1.0 lbs.
100722	6.0 GPM	6000 PSI	1/2" NPT	Side w/ 1/4" Barb	195° F	1.0 lbs.

Side Discharge without Hose Barb

100725	6.0 GPM	6000 PSI	1/4" NPT	Side	195° F	1.0 lbs.
100726	6.0 GPM	6000 PSI	3/8" NPT	Side	195° F	1.0 lbs.
100727	6.0 GPM	6000 PSI	1/2" NPT	Side	195° F	1.0 lbs.



100534

End Discharge

100728	6.0 GPM	6000 PSI	1/4" NPT	End	195° F	1.0 lbs.
100534	6.0 GPM	6000 PSI	3/8" NPT-M	End	195° F	1.0 lbs.
100729	6.0 GPM	6000 PSI	1/2" NPT	End	195° F	1.0 lbs.
100547	6.0 GPM	6000 PSI	3/8" NPT-M	End 1/8" F	195° F	1.0 lbs.

Preset at 100 PSI Increments (50 piece minimum)

100547P	6.0 GPM	6000 PSI	3/8" NPT-M	End 1/8" F	195° F	1.0 lbs.
100534P	6.0 GPM	6000 PSI	3/8" NPT-M	End	195° F	1.0 lbs.
100728P	6.0 GPM	6000 PSI	1/4" NPT-M	End	195° F	1.0 lbs.
100723P	6.0 GPM	6000 PSI	3/8" NPT	Side w/ 1/4" Barb	195° F	1.0 lbs.
100726P	6.0 GPM	6000 PSI	3/8" NPT-M	Side	195° F	1.0 lbs.

All sizes are available preset, please contact General Pump Sales.



YRV2063

YRV2063	6.3 GPM	2000 PSI	3/8" NPT-M	Side	140° F	1.5 lbs.
YRV3463	6.3 GPM	3500 PSI	3/8" BSP-M	Side	140° F	1.5 lbs.
ZKS3	2.6 to 21.4 GPM	10000 PSI	1/2" BSP-M	Side	284° F	2.0 lbs.

ZKS3



VALVES

Pump Thermal Protectors

Product Group: Q

	DESCRIPTION	INLET	HOSE BARB	RELIEF TEMP	SHP WGHT
100556	90° Hose Barb	1/4" NPT	1/4"	145° F	1.5 oz.
100557	90° Hose Barb	3/8" NPT	1/4"	145° F	1.5 oz.
100558	90° Hose Barb	1/2" NPT	1/4"	145° F	1.5 oz.
100844	90° Hose Barb	1/4" BSP-M	1/4"	145° F	1.5 oz.
100845	90° Hose Barb	3/8" BSP-M	1/4"	145° F	1.5 oz.
100846	90° Hose Barb	1/2" BSP-M	1/4"	145° F	1.5 oz.
100677	No Hose Barb	3/8" NPT	N/A	190° F	1.5 oz.
100678	No Hose Barb	1/2" NPT	N/A	190° F	1.5 oz.
100679	90° Hose Barb	3/8" NPT	1/4" Brass	190° F	1.5 oz.
100680	90° Hose Barb	1/2" NPT	1/4" Brass	190° F	1.5 oz.
100259	Banjo Fitting	3/8" BSP	N/A	145° F	2.5 oz.



100558



100679

Easy Start Valves

Product Group: T

	GPM	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
YESTVALVE	7.8 GPM	3650 PSI	3/8" NPT-M	1/4" Hose Barb	176° F	0.25 lbs.



YESTVALVE

Provides Easy Start for manual start gas engines

100323	8.0 GPM	5000 PSI	3/8" NPT-M	1/4" Hose Barb	195° F	0.25 lbs.
100324	8.0 GPM	5000 PSI	1/4" NPT-M	1/4" Hose Barb	195° F	0.25 lbs.



100324

100543	8.0 GPM	5000 PSI	1/4" NPT-M	1/8" NPT-F	195° F	0.25 lbs.
100544	8.0 GPM	5000 PSI	3/8" NPT-M	1/8" NPT-F	195° F	0.25 lbs.
100490	8.0 GPM	5000 PSI	1/2" NPT-M	1/8" NPT-F	195° F	0.25 lbs.



100543

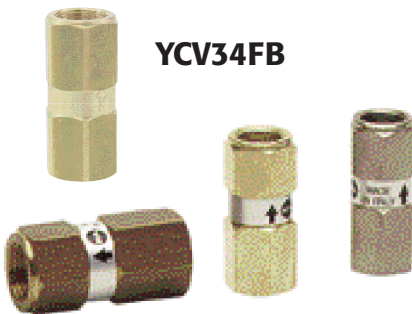
VALVES



100325

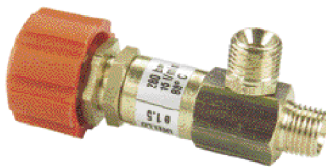


100730



YCV34FB

YCV12FB



Y29092015



100814



100838

Bleeder Valves

Product Group: T

	GPM	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
100325	8.0 GPM	5000 PSI	1/4" NPT-M	1/8" Hose Barb	195° F	0.25 lbs.
100326	8.0 GPM	5000 PSI	3/8" NPT-M	1/8" Hose Barb	195° F	0.25 lbs.
100545	8.0 GPM	5000 PSI	1/4" NPT-M	1/8" NPT-F	195° F	0.25 lbs.
100546	8.0 GPM	5000 PSI	3/8" NPT-M	1/8" NPT-F	195° F	0.25 lbs.

Provides Easy Start function for electric start gas engines.

100676	8.0 GPM	5000 PSI	1/4" NPT-M	1/8" Hose Barb	195° F	0.25 lbs.
100730	8.0 GPM	5000 PSI	1/2" NPT-M	1/8" NPT-F	195° F	0.25 lbs.
100684	8.0 GPM	5000 PSI	3/8" NPT-M	1/8" Hose Barb	195° F	0.25 lbs.

Check Valves

Product Group: T

	DESCRIPTION	GPM	RATED	MAX	INLET	MAX TEMP	SHP WGHT
YCV14FB	Brass	6.5 GPM	2200 PSI	2300 PSI	1/4" BSP-F	195° F	0.5 lbs.
YCV14FSS	Stainless Steel	6.5 GPM	5800 PSI	6500 PSI	1/4" BSP-F	195° F	0.5 lbs.
YCV38FB	Brass	10.5 GPM	2200 PSI	2300 PSI	3/8" BSP-F	195° F	0.5 lbs.
YCV38FSS	Stainless Steel	10.5 GPM	5800 PSI	6500 PSI	3/8" BSP-F	195° F	0.5 lbs.
YCV12FB	Brass	21.0 GPM	2200 PSI	2300 PSI	1/2" BSP-F	195° F	0.5 lbs.
YCV12FSS	Stainless Steel	21.0 GPM	5800 PSI	6500 PSI	1/2" BSP-F	195° F	0.5 lbs.
YCV34FB	Brass	47.6 GPM	2200 PSI	2300 PSI	3/4" BSP-F	195° F	0.8 lbs.
YCV34FSS	Stainless Steel	47.6 GPM	5800 PSI	6500 PSI	3/4" BSP-F	195° F	0.8 lbs.

Steam Valves

Product Group: T

	GPM	RATED	MAX	PANEL FITTING	INLET	OUTLET	MAX TEMP	SHP WGHT
Y29092008	2.3 GPM	3650 PSI	4050 PSI	3/4"	1/4" BSP-M	1/4" BSP-M	175° F	0.3 lbs.
Y29092012	3.4 GPM	3650 PSI	4050 PSI	3/4"	1/4" BSP-M	1/4" BSP-M	175° F	0.3 lbs.
Y29092015	4.0 GPM	3650 PSI	4050 PSI	3/4"	1/4" BSP-M	1/4" BSP-M	175° F	0.3 lbs.

Needle Valve

Product Group: D

	GPM	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
100814	6.0 GPM	4000 PSI	1/4" NPT-F	1/4" NPT-F	190° F	0.3 lbs.

Metering Needle Valve

Adjustable SS Stem allows you to regulate the opening in the bore for fine control of flow.

	GPM	MAX	INLET	OUTLET	ADJUSTMENT	MAX TEMP	SHP WGHT
100838	6.0 GPM	4000 PSI	1/4" NPT-F	1/4" NPT-F	Side	190° F	0.4 lbs.
100865	6.0 GPM	4000 PSI	1/4" NPT-F	1/4" NPT-F	Bottom	190° F	0.4 lbs.

INJECTORS

Adjustable Chemical Injectors – Brass

Product Group: L

Inlet: 3/8" BSP-M Outlet: 3/8" BSP-M

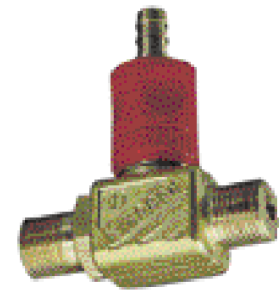
	ORIFICE	GPM	RATED	MAX TEMP	HOSE BARB	SHP WGHT	BOX QTY
ZROBO0	2.0 mm	2.1 to 2.9 GPM	3200 PSI	210° F	1/4"	0.8 lbs.	25
ZROBO1	2.2 mm	2.9 to 4.0 GPM	3200 PSI	210° F	1/4"	0.8 lbs.	25
ZROBO2	2.5 mm	4.0 to 5.6 GPM	3200 PSI	210° F	1/4"	0.8 lbs.	25
ZROBO3	2.75 mm	6.6 to 10.8 GPM	3200 PSI	210° F	1/4"	0.8 lbs.	25

Chemical Injectors with Brass Knob

ZROBO0B	2.0 mm	2.1 to 2.9 GPM	3200 PSI	210° F	1/4"	0.8 lbs.	25
ZROBO1B	2.2 mm	2.9 to 4.0 GPM	3200 PSI	210° F	1/4"	0.8 lbs.	25
ZROBO2B	2.5 mm	4.0 to 5.6 GPM	3200 PSI	210° F	1/4"	0.8 lbs.	25
ZROBO3B	2.75 mm	6.6 to 10.8 GPM	3200 PSI	210° F	1/4"	0.8 lbs.	25

EPDM O-Ring

	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT
YAINJ18E	1.8 mm	2.0 to 2.6 GPM	4000 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.4 lbs.
YAINJ21E	2.1 mm	2.6 to 4.0 GPM	4000 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.4 lbs.
YAINJ23E	2.3 mm	4.0 to 5.3 GPM	4000 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.4 lbs.



ZROBO



YAINJ18E

Standard Adjustable Chemical Injector

Product Group: L

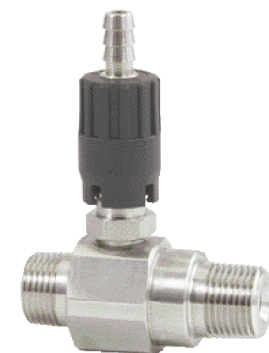
	ORIFICE	GPM	MAX	INLET/OUTLET	MAX TEMP	HOSE BARB	SHP WGHT
100823	1.5 mm	1.0 to 2.0 GPM	4250 PSI	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100824	1.8 mm	2.0 to 3.0 GPM	4250 PSI	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100825	2.1 mm	3.0 to 5.0 GPM	4250 PSI	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100826	2.3 mm	5.0 to 8.0 GPM	4250 PSI	3/8" NPT-M	190° F	1/4"	0.3 lbs.



100823

Adjustable Chemical Injectors – Stainless Steel

	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT
100861	1.8 mm	2.0 to 3.0 GPM	5500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.5 lbs.
100862	2.1 mm	3.0 to 5.0 GPM	5500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.5 lbs.
100863	2.3 mm	5.0 to 8.0 GPM	5500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.5 lbs.



100861

INJECTORS

High Draw Adjustable Chemical Injectors

Product Group: L

Chemical draw up to 20%



100810

	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT
100810	1.5 mm	1.0 to 2.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.3 lbs.
100811	1.8 mm	2.0 to 3.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.3 lbs.
100812	2.1 mm	3.0 to 5.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.3 lbs.
100813	2.3 mm	5.0 to 8.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	195° F	1/4"	0.3 lbs.

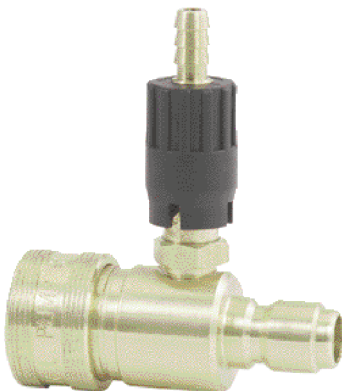
High Draw Adjustable Chemical Injectors with Acid Kit

Product Group: L

	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT
100827	1.5 mm	1.0 to 2.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100828	1.8 mm	2.0 to 3.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100829	2.1 mm	3.0 to 5.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100830	2.3 mm	5.0 to 8.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.

Quick Connect Adjustable Chemical Injectors – Brass

Product Group: L



100575

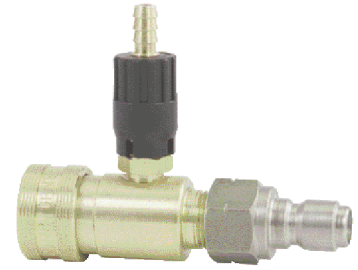
	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT
100575	1.8 mm	2.0 to 3.0 GPM	3500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.
100576	2.1 mm	3.0 to 5.0 GPM	3500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.
100577	2.3 mm	5.0 to 8.0 GPM	3500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.
100617	1.8 mm	2.0 to 3.0 GPM	3500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.
100618	2.1 mm	3.0 to 5.0 GPM	3500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.
100619	2.3 mm	5.0 to 8.0 GPM	3500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.

INJECTORS

Quick Connect Adjustable Chemical Injectors – Stainless Steel Plug

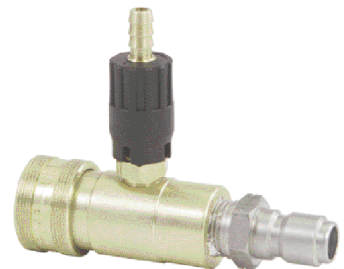
Product Group: L

	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT
100633	1.8 mm	2.0 to 3.0 GPM	3500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.
100634	2.1 mm	3.0 to 5.0 GPM	3500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.
100635	2.3 mm	5.0 to 8.0 GPM	3500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.



100633

	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT
100653	1.8 mm	2.0 to 3.0 GPM	3500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.
100654	2.1 mm	3.0 to 5.0 GPM	3500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.
100655	2.3 mm	5.0 to 8.0 GPM	3500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.

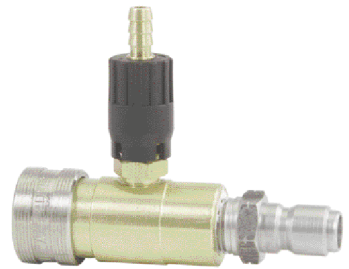


100654

Quick Connect Adjustable Chemical Injectors – Stainless Steel Plug and Collar

Product Group: L

	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT
100763	1.8 mm	2.0 to 3.0 GPM	4500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.
100764	2.1 mm	3.0 to 5.0 GPM	4500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.
100765	2.3 mm	5.0 to 8.0 GPM	4500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.



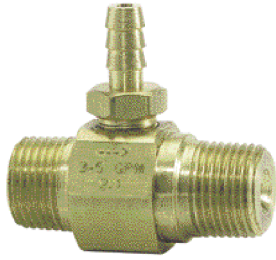
100764



100667

All injectors available with hose and filter assembled.

INJECTORS



100821

Standard Fixed Chemical Injector

Product Group: L

	ORIFICE	GPM	MAX	INLET/OUTLET	MAX TEMP	HOSE BARB	SHF WGHT
100819	1.5 mm	1.0 to 2.0 GPM	4250 PSI	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100820	1.8 mm	2.0 to 3.0 GPM	4250 PSI	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100821	2.1 mm	3.0 to 5.0 GPM	4250 PSI	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100822	2.3 mm	5.0 to 8.0 GPM	4250 PSI	3/8" NPT-M	190° F	1/4"	0.3 lbs.



100873

Fixed Chemical Injectors – Stainless Steel

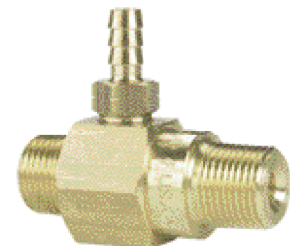
Product Group: L

	ORIFICE	GPM	RATED	INLET	OUTLET	MAX TEMP	HOSE BARB	SHF WGHT
100873	1.8 mm	2.0 to 3.0 GPM	5500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100874	2.1 mm	3.0 to 5.0 GPM	5500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100875	2.3 mm	5.0 to 8.0 GPM	5500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.



100333

	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHF WGHT
100336	1.44 mm	1.0 to 2.0 GPM	5500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100835	1.8 mm	2.0 to 3.0 GPM	5500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100334	2.1 mm	2.0 to 4.0 GPM	5500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100333	2.2 mm	3.0 to 5.0 GPM	5500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.
100339	2.5 mm	5.0 to 8.0 GPM	5500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.4 lbs.



100775

High Draw Fixed Chemical Injectors

Product Group: L

Chemical draw up to 20%

	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHF WGHT
100773	1.5 mm	1.0 to 2.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100774	1.8 mm	2.0 to 3.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100775	2.1 mm	3.0 to 5.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100776	2.3 mm	5.0 to 8.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.

High Draw Fixed Chemical Injectors w/Acid Kit

Product Group: L

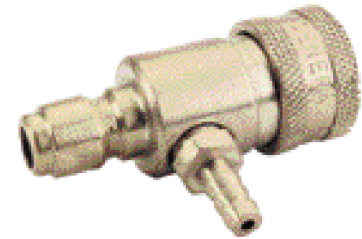
	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHF WGHT
100947	1.5 mm	1.0 to 2.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100948	1.8 mm	2.0 to 3.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100949	2.1 mm	3.0 to 5.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.
100950	2.3 mm	5.0 to 8.0 GPM	4500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.3 lbs.

INJECTORS

Quick Connect Fixed Chemical Injectors – Brass

Product Group: L

	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT
100570	1.8 mm	2.0 to 3.0 GPM	3500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.
100571	2.1 mm	3.0 to 5.0 GPM	3500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.
100572	2.3 mm	5.0 to 8.0 GPM	3500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.
100594	1.8 mm	2.0 to 3.0 GPM	3500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.
100595	2.1 mm	3.0 to 5.0 GPM	3500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.
100616	2.3 mm	5.0 to 8.0 GPM	3500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.

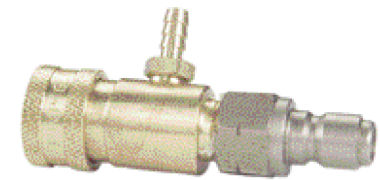


100570

Quick Connect Fixed Chemical Injectors with Stainless Steel Plug

Product Group: L

	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT
100690	1.5 mm	1.0 to 2.0 GPM	3500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.
100630	1.8 mm	2.0 to 3.0 GPM	3500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.
100631	2.1 mm	3.0 to 5.0 GPM	3500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.
100632	2.3 mm	5.0 to 8.0 GPM	3500 PSI	3/8" F Coupler	3/8" M Plug	190° F	1/4"	0.4 lbs.



100630

Quick Connect Fixed Chemical Injectors with Stainless Steel Plug

Product Group: L

	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT
100636	1.8 mm	2.0 to 3.0 GPM	3500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.
100637	2.1 mm	3.0 to 5.0 GPM	3500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.
100638	2.3 mm	5.0 to 8.0 GPM	3500 PSI	3/8" M Plug	3/8" F Coupler	190° F	1/4"	0.4 lbs.



100636

Dual Port Injector

Product Group: L

	ORIFICE	GPM	MAX	INLET	OUTLET	MAX TEMP	HOSE BARB	SHP WGHT
100541	2.1 mm	3.0 to 5.0 GPM	5500 PSI	3/8" NPT-M	3/8" NPT-M	190° F	1/4"	0.5 lbs.



100541

Pulse Pump

	GPM	RATED	INLET	OUTLET	MAX TEMP	SHP WGHT
100906	0.75 GPM	1500 PSI	1/8" NPT-F	1/8" NPT-F	190° F	1.5 lbs.

Adapter fittings for pulse pump 47 Series 520190, plus valve 103035

SERIES	FITTING	VALVE
60	520222	103036
47	520190	103035
44 and 63	520197	103035
66	520223	103090



100906

Chemical Valves

Product Group: T

	DESCRIPTION	GPM	RATED	CONNECTIONS	MAX TEMP	HOSE BARB	SHP WGHT
Y29095400	90° Elbow	2.6 GPM	400 PSI	1/4" BSP-M	105° F	1/4"	0.5 lbs.
Y29094500	Straight	2.6 GPM	400 PSI	1/4" BSP-M	105° F	1/4"	0.4 lbs.



Y29094500

INDUSTRIAL PUMP FITTINGS & ACCESSORIES



Fittings

Zinc-Coated Industrial Pump Fittings

Product Group: J

680030	1/4" BSP-M x 1/4" NPT-M
680099	3/8" BSP-M x 1" BSP-M
680100	1/2" BSP-M x 1/4" NPT-F
680102	1/2" BSP-M x 1/2" BSP-M
680103	1/2" BSP-M x 1" BSP-M
680104	3/4" BSP-M x 3/4" BSP-M
680058	3/4" BSP-M x 3/4" NPT-M
680065	3/4" BSP-M x 3/4" NPT-F
680105	3/4" BSP-M x 1" BSP-M
680106	1" BSP-M x 1" BSP-M
680066	1" BSP-M x 1" NPT-M
680056	1" BSP-M x 1" NPT-F
680107	1 1/4" BSP-M x 1 1/4" BSP-M
680067	1 1/4" BSP-M x 1 1/4" NPT-M
680057	1 1/4" BSP-M x 1 1/4" NPT-F
680108	1 1/4" BSP-M x 1 1/2" BSP-M
680139	1 1/4" BSP-F x 1 1/4" NPT-M
680137	3" BSP-M x 3" NPT-M

Zinc-Coated Steel Seal Rings with Rubber Insert

Product Group: J

680109	1/4" BSP
680110	1/2" BSP
680111	3/4" BSP
680112	1" BSP
680113	1 1/4" BSP
680114	1 1/2" BSP
680138	3" BSP

Zinc-Coated Steel Plugs

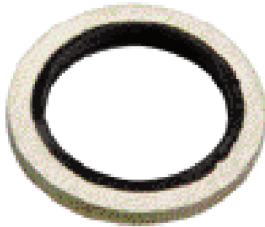
Product Group: J

680115	1/4" BSP-M
680116	3/8" BSP-M
680117	1/2" BSP-M
680118	3/4" BSP-M
680119	1" BSP-M
680120	1 1/4" BSP-M
680121	1 1/2" BSP-M

300 Series Stainless Steel Seal Rings

Product Group: J

680078	1/4" BSP
680079	3/8" BSP
680080	1/2" BSP
680082	3/4" BSP
680083	1" BSP
680084	1 1/4" BSP
680085	1 1/2" BSP



680078

300 Series Stainless Steel Fittings

Product Group: J

680075	3/4" BSP-M x 3/4" BSP-M
680062	3/4" BSP-M x 3/4" NPT-M
680059	3/4" BSP-M x 3/4" NPT-F
520150	3/4" BSP-M x 3/4" BSP-M
680076	3/4" BSP-M x 1" BSP-M
520151	3/4" BSP-M x 3/4" BSP-F, 90°
680060	1" BSP-M x 1" NPT-F
680063	1" BSP-M x 1" NPT-M
680123	1 1/4" BSP-M x 1 1/4" BSP-M
680061	1 1/4" BSP-M x 1 1/4" NPT-F
680064	1 1/4" BSP-M x 1 1/4" NPT-M
520146	1 1/2" BSP-M x 1 1/2" NPT-F

300 Series Stainless Steel Plugs, Hex

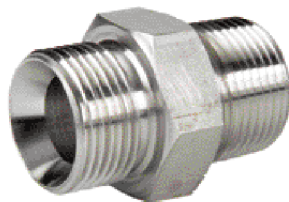
Product Group: J

680087	1/4" BSP-M
680088	1/2" BSP-M
680090	3/4" BSP-M
680091	1" BSP-M
680092	1 1/4" BSP-M
680093	1 1/2" BSP-M

Fittings for VH, VS and SH Series Pumps

Product Group: J

680086	1/2" Conical seat for discharge ports (supplied with pumps)
680132	3/4" Conical seat for discharge ports (supplied with pumps)
680089	1/2" Gas - M Discharge Plug
680133	3/4" Gas - M Discharge Plug
680134	1/2" Gas - M x 9/16" UNF Discharge Fitting
680125	1/2" Gas - M x LF9 (HIP)
680126	3/4" Gas - M x LF9 (HIP)
F1125	Inlet plug, G, 1 1/2" (SH & VS pumps)
F1126	Outlet plug, G, 1/2" HP, 9/16" (VH pumps)
F1128	Outlet plug, G, F, 3/4" (SH & VS pumps)
F1257	1/2" Gas Mounting Block Kit with bolts and o-ring (VH Only)
F1127	3/4" Gas Mounting Block Kit with bolts and o-ring (VS & SH Only)
680081	1/2" BSP SS Seal Rings (copper washer for VH discharge ports)
680086	Conical seat for VH discharge ports (4 included with pump)
680038	1/2" BSP-M x 1/2" BSP-F SS Fittings
680136	1/2" Gas - M x 1/2" NPT-M, for use with 680132 below 15,000 PSI



680086

INDUSTRIAL PUMP FITTINGS & ACCESSORIES

Miscellaneous Accessories

Product Group: J

- 680094 Belt Tension Slide Plate, rated for 40 horsepower
- 680095 Priming/Drain valve kit for MS series pumps (includes 3 valves)
- 680096 Priming/Drain valve kit for LH/MH series pumps (includes 3 valves)

Industrial Unloaders

Product Group: K

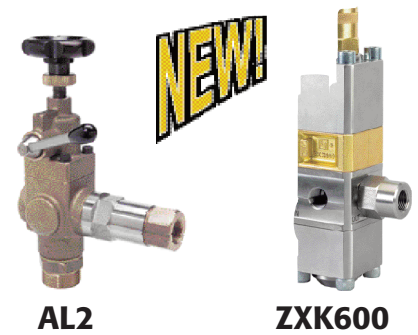
Manual bypass lever and automatic operation

	GPM	RATED	MAX	INLET	OUTLET	BYPASS	SHP WGHT
AL2	48.0 GPM	2900 PSI	2900 PSI	1" BSP-F	3/4" BSP-F	1 1/2" BSP-M	12.5 lbs.

Automatic only

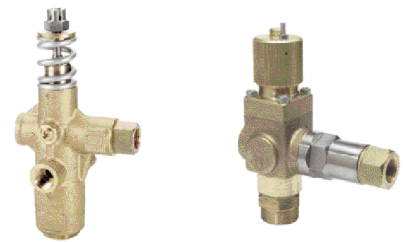
VU2	48.0 GPM	2900 PSI	2900 PSI	1" BSP-F	3/4" BSP-F	1 1/2" BSP-M	12.5 lbs.
ZKX600	16.0 GPM	8700 PSI	8700 PSI	1/2" BSP-F	1/2" BSP-F	1/2" BSP-F	17.6 lbs.

	GPM	MAX	INLET	OUTLET	BYPASS	SHP WGHT
YVB16	21.0 GPM	8120 PSI	1/2" BSP-F	1/2" BSP-F	1/2" BSP-F	7.6 lbs.
YVB280SS	21.0 GPM	4500 PSI	1/2" BSP-F	1/2" BSP-F	1/2" BSP-F	2.7 lbs.



AL2

ZKX600



YVB16

VU2

Industrial Regulating Valves

Product Group: K

	GPM	MAX	INLET	OUTLET	BYPASS	SHP WGHT
RV1/100	32.0 GPM	1450 PSI	3/4" BSP-F	N/A	3/4" BSP-F	9.5 lbs.
RV1/200	32.0 GPM	2900 PSI	3/4" BSP-F	N/A	3/4" BSP-F	9.5 lbs.
RV2	48.0 GPM	2900 PSI	1" BSP-F	3/4" BSP-F	1 1/4" BSP-M	10.0 lbs.
RV1/300	21.0 GPM	4350 PSI	3/4" BSP-F	N/A	3/4" BSP-F	9.5 lbs.
RV3	120.0 GPM	4350 PSI	1 1/4" BSP-F	N/A	1 1/4" BSP-M	12.7 lbs.
RV1/400	21.0 GPM	5800 PSI	3/4" BSP-F	N/A	3/4" BSP-F	9.5 lbs.
RV1/500	21.0 GPM	7250 PSI	3/4" BSP-F	N/A	3/4" BSP-F	9.5 lbs.
RV14/800	26.4 GPM	11600 PSI	3/4" BSP-F	Flanged/Block	1" BSP-F	17.6 lbs.
RV14/1500	26.4 GPM	21750 PSI	3/4" BSP-F	Flanged/Block	1" BSP-F	17.6 lbs.
RV14/1200VH	26.0 GPM	17400 PSI	3/4" BSP-F	Flanged/Block	1" BSP-F	17.6 lbs.

Features manual bypass lever and automatic operation

NL2	48.0 GPM	2900 PSI	1" BSP-F	3/4" BSP-F	1 1/2" BSP-F	12.5 lbs.
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1.125" I.D. Hose Barb

ZKTIMAX	53.0 GPM	870 PSI	3/4" BSP-F	1/2" BSP-F	1" BSP-F	4.5 lbs.
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RV1300

Stainless Steel Regulating Valves

Product Group: K

	GPM	MAX	INLET	OUTLET	BYPASS	SHP WGHT
ZKXS1	16.0 GPM	3600 PSI	1/2" BSP-F	-	1/2" BSP-F	2.3 lbs.
RX1/1450A	32.0 GPM	1450 PSI	3/4" NPT-F	N/A	3/4" NPT-F	11.0 lbs.
RX3/100	120.0 GPM	1450 PSI	1" BSP-F	3/4" BSP-F	1 1/4" BSP-F	11.0 lbs.
RX1/2900A	32.0 GPM	2900 PSI	3/4" NPT-F	N/A	3/4" NPT-F	11.0 lbs.
RX3/200	120.0 GPM	2900 PSI	1" BSP-F	3/4" BSP-F	1 1/4" BSP-F	11.0 lbs.
RX1/4350A	21.0 GPM	4350 PSI	3/4" NPT-F	N/A	3/4" NPT-F	11.0 lbs.
RX3/300	120.0 GPM	4350 PSI	1" BSP-F	3/4" BSP-F	1 1/4" BSP-F	11.0 lbs.
ZK3608SS	7.92 GPM	3600 PSI	3/8" NPT-F	3/8" BSP-M	(2) 3/8" BSP-F	2.3 lbs.
YVS280SS	21.0 GPM	4500 PSI	1/2" BSP-F	1/2" BSP-F	1/2" BSP-F	2.7 lbs.
RX1/5800A	21.0 GPM	5800 PSI	3/4" NPT-F	N/A	3/4" NPT-F	11.0 lbs.
RX1/7250A	21.0 GPM	7250 PSI	3/4" NPT-F	N/A	3/4" NPT-F	11.0 lbs.
ZK8716SS	15.85 GPM	8700 PSI	1/2" BSP-F	1/2" BSP-F	(2) 1/2" BSP-F	5.9 lbs.



ZK3608SS

ZKXS1

RX1

INDUSTRIAL PUMP FITTINGS & ACCESSORIES



100315

Jetter Valve for use in Sewer Cleaning Applications

Product Group: D

	DESCRIPTION	SHP WGHT
100315	Use with TT Pumps (Replaces Valve Cap)	0.7 lbs.
100316	Use with EZ Pumps (Replaces Valve Cap)	0.7 lbs.
100317	Use with 47 Series Pumps (Replaces Valve Cap, coarse thread)	0.7 lbs.
100072	Use with 47 Series Pumps (Replaces Valve Cap, fine thread)	0.7 lbs.



SV12/1000

Industrial Safety Relief Valves

Product Group: K

	GPM	MAX	INLET	DISCHARGE	SHP WGHT
SV2/100	42.0 GPM	1450 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SV2/200	42.0 GPM	2900 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SV3/200	110.0 GPM	2900 PSI	3/4" BSP-M	Bottom	2.5 lbs.
SV2/300	42.0 GPM	4350 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SV3/100	110.0 GPM	1450 PSI	3/4" BSP-M	Bottom	2.5 lbs.
SV3/300	110.0 GPM	4350 PSI	3/4" BSP-M	Bottom	2.5 lbs.
SV2/400	42.0 GPM	5800 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SV2/500	42.0 GPM	7250 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SV12/800	21.0 GPM	11600 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SV12/1000	21.0 GPM	14500 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SV12/1100	21.0 GPM	15950 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SV12/1250	42.0 GPM	18125 PSI	1/2" BSP-M	Bottom	2.5 lbs.

Stainless Steel

SX2/100	42.0 GPM	1450 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SX2/200	42.0 GPM	2900 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SX2/300	42.0 GPM	4350 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SX2/400	42.0 GPM	5800 PSI	1/2" BSP-M	Bottom	2.5 lbs.
SX2/500	42.0 GPM	7250 PSI	1/2" BSP-M	Bottom	2.5 lbs.



UDI

Industrial Valves

Product Group: K

Check Valve for EK, HD & KL Pumps

	GPM	RATED	MAX	INLET	OUTLET	SHP WGHT
UD1	48.0 GPM	75 PSI	3650 PSI	3/4" BSP-M	3/4" BSP-F	1.5 lbs.



FPN12

Industrial Pneumatic Valves

Product Group: K

	GPM	MAX	INLET	OUTLET	BYPASS	SHP WGHT
PN3/160	120.0 GPM	2350 PSI	1 1/2" BSP-F	1 1/2" BSP-F	1 1/2" BSP-F	55.3 lbs.
PN/RV2	48.0 GPM	2900 PSI	1" BSP-F	3/4" BSP-F	1 1/4" BSP-M	17.5 lbs.
PN3/240	80.0 GPM	3500 PSI	1 1/2" BSP-F	1 1/2" BSP-M	1 1/2" BSP-M	55.0 lbs.
PN3/300	53.0 GPM	4350 PSI	1 1/2" BSP-F	1 1/2" BSP-M	1 1/2" BSP-M	55.0 lbs.
PN2	53.0 GPM	7250 PSI	1 1/2" BSP-F	1 1/2" BSP-M	1 1/2" BSP-M	55.0 lbs.
PNRV14/800	26.4 GPM	11600 PSI	Flanged/Block	3/4" BSP-F	1" BSP-F	17.6 lbs.
PNRV14/VH	26.4 GPM	17400 PSI	Flanged/Block	1/2" BSP-F	1" BSP-F	17.6 lbs.
PNRV14/1500	26.4 GPM	21750 PSI	Flanged/Block	3/4" BSP-F	1" BSP-F	17.6 lbs.

Features Check Valve

PN/VU2	48.0 GPM	2900 PSI	1" BSP-F	3/4" BSP-F	1 1/4" BSP-M	17.5 lbs.
FPN12	21.0 GPM	17400 PSI	3/8" BSP-F	3/8" BSP-F	3/8" BSP-F	55.3 lbs.
FPN14	21.0 GPM	21750 PSI	3/8" BSP-F	3/8" BSP-F	3/8" BSP-F	55.3 lbs.



VP12

Industrial Foot Valve

Product Group: K

	GPM	MAX	INLET	OUTLET	BYPASS	SHP WGHT
VP12	21.0 GPM	21750 PSI	3/8" BSP-F	3/8" BSP-F	3/8" BSP-F	22.5 lbs.

INDUSTRIAL PUMP FITTINGS & ACCESSORIES

Industrial Pulsation Dampeners

Product Group: K

	MATERIAL	GPM	RATED	INLET	SHP WGHT
*A4X	304 Stainless Steel	16 GPM	3050 PSI	1/2" BSP-M	7.0 lbs.
*A7	Forged Steel	43 GPM	3050 PSI	1/2" BSP-M	7.0 lbs.
*A7S	Forged Steel	43 GPM	4750 PSI	3/4" BSP-M	12.0 lbs.
*A7X	316 Stainless Steel	43 GPM	2150 PSI	3/4" BSP-M	8.5 lbs.
*A15	Forged Steel	105.6 GPM	4750 PSI	3/4" BSP-M	15.0 lbs.
*A15X	316 Stainless Steel	105.6 GPM	2150 PSI	3/4" BSP-M	15.0 lbs.

*190417 Recharge kit and fitting (100038 recharge kit, 680135 adapter fitting)



A4X

Industrial Spray Gun

Product Group: K

	DESCRIPTION	GPM	MAX	SHP WGHT
ZP87SS	SS Professional Gun	15.85 GPM	8700 PSI	3.5 lbs.
ZP87SSL19	SS Gun with 19" Lance	15.85 GPM	8700 PSI	4.9 lbs.
ZP87SSL39	SS Gun with 39" Lance	15.85 GPM	8700 PSI	6.1 lbs.
ZP87SSL19S	SS Gun with 19" Lance and Shoulder Support	15.85 GPM	8700 PSI	5.6 lbs.
ZP87SSL39S	SS Gun with 39" Lance and Shoulder Support	15.85 GPM	8700 PSI	7.2 lbs.



ZP87SSL19S

	DESCRIPTION	GPM	MAX	INLET	OUTLET	SHP WGHT
P12	Dump Gun	21.0 GPM	21750 PSI	1/2" BSP-M	1/4" BSP-M	12.0 lbs.
P45	Gun with 20" Lance	21.0 GPM	7250 PSI	1/2" BSP-F	1/4" BSP-F	5.0 lbs.
P47	Gun with 39" Lance	21.0 GPM	7250 PSI	1/2" BSP-F	1/4" BSP-F	10.0 lbs.
PS12	Submersible Dump Gun	21.0 GPM	21750 PSI	1/2" BSP-F	1/4" BSP-F	12.5 lbs.
YG7221	Rear Entry Gun	21.0 GPM	8100 PSI	1/2" BSP-F	1/2" BSP-F	5.0 lbs.



P12

Spray Gun with Lance and Side Grip

Product Group: K

	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
YG7221/L31	31" Lance	21.0 GPM	7250 PSI	8100 PSI	1/2" BSP-F	1/2" BSP-M	210° F	7.0 lbs.
YG7221/L51	48" Lance	21.0 GPM	7250 PSI	8100 PSI	1/2" BSP-F	1/2" BSP-M	210° F	7.0 lbs.



YG7221-L51

Industrial Rotating Nozzles-Titanium

	ORIFICE	GPM	MAX	INLET	MAX TEMP	SHP WGHT
ZRMAX2220	.9	1.4 - 4.7	22000	M14 x 1/2"	140° F	2.64 lbs.
ZRMAX2225	1.0	1.8 - 6.0	22000	M14 x 1/2"	140° F	2.64 lbs.
ZRMAX2231	1.1	2.2 - 7.3	22000	M14 x 1/2"	140° F	2.64 lbs.
ZRMAX2245	1.2	2.6 - 8.6	22000	M14 x 1/2"	140° F	2.64 lbs.
ZRMAX2259	1.35	3.4 - 11.2	22000	M14 x 1/2"	140° F	2.64 lbs.

NEW!



ZRMAX2220

Industrial Filters

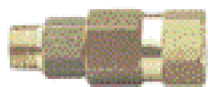
Product Group: K

	DESCRIPTION	GPM	MESH/MICRON	INLET	OUTLET	SHP WGHT
F50/F80	Stainless Steel, Two-Stage	10.5 GPM	10/70	1" BSP-F	1" BSP-F	12.0 lbs.
F10	Aluminum	15.8 GPM	60/80	1 1/2" BSP-F	1 1/2" BSP-F	3.5 lbs.
F60	Stainless Steel	52.0 GPM	15 to 100	2" BSP-F	2" BSP-M	33.0 lbs.
F20	Aluminum	53.0 GPM	60/80/110	2" BSP-F	2" BSP-F	13.0 lbs.
F30	Plastic	53.0 GPM	50/100	2" BSP-M	2" BSP-M	3.8 lbs.
F40	Plastic	120.0 GPM	50/100	3" BSP-M	3" BSP-M	6.6 lbs.

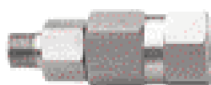


F30

VEHICLE CLEANING ACCESSORIES



YSW38MFB



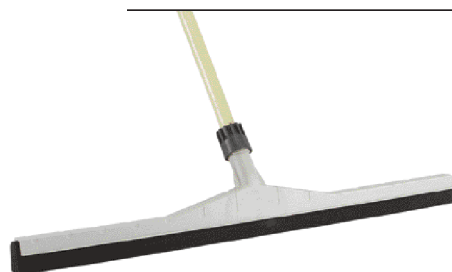
YSW38MFSS



SW38MF90N



SW14MFN



560002



105140

Swivels

Product Group: H

	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
YSW38MFB	Medium Resistance, Brass	10.5 GPM	3650 PSI	4050 PSI	3/8" BSP-M	3/8" BSP-F	320° F	0.3 lbs.
YSW14MFSS	Medium Resistance, SS	10.5 GPM	5100 PSI	5650 PSI	3/8" BSP-M	3/8" BSP-F	320° F	0.3 lbs.
YSW38MFSS	Medium Resistance, SS	10.5 GPM	5100 PSI	5650 PSI	1/4" BSP-M	1/4" BSP-F	320° F	0.3 lbs.
YSW14MFB	Medium Resistance, Brass	10.5 GPM	3650 PSI	4050 PSI	1/4" BSP-M	1/4" BSP-F	320° F	0.3 lbs.

	DESCRIPTION	GPM	RATED	INLET	OUTLET	MAX TEMP	SHP WGHT
SW14MFN	Nickel-Plated	12.0 GPM	1500 PSI	1/4" NPT-M	1/4" NPT-F	200° F	0.3 lbs.
SW38MF90N	Nickel-Plated, 90° Elbow	12.0 GPM	1500 PSI	3/8" NPT-M	3/8" NPT-F	200° F	0.5 lbs.
SW38MFN	Nickel-Plated	12.0 GPM	1500 PSI	3/8" NPT-M	3/8" NPT-F	200° F	0.3 lbs.

Squeegees

Product Group: I

	DESCRIPTION
560002	5 Foot Tapered Wood Handle
PXW20075	30" Foam Rubber Squeegee Head, cleans dirt out of the deepest cracks, even on rough surfaces
560001	Assembled Squeegee Head and Handle

Nozzle Packs

Product Group: I

	DESCRIPTION	SHP WGHT
105140	Nozzle Kit for Laser Wash 4000, contains all nozzles for arch	0.5 lbs.
105144	Nozzle Kit for D & S 5000 – Gantry	0.5 lbs.
105145	Nozzle Kit for D & S 5000 – Blaster	0.5 lbs.
105154	Nozzle Kit for SSA Futura, 30 – 1/8" NPT Nozzles	3.0 lbs.
105162	Nozzle Kit for Oasis, Front Bridge of 8530 Windcar, 14 Nozzles	1.4 lbs.
105163	Nozzle Kit for Oasis, Main Bridge 8530 Windcar, 18 Nozzles	1.8 lbs.
105164	Nozzle Kit for Oasis, Front Bridge 8530 Windvan, 16 Nozzles	1.6 lbs.
105165	Nozzle Kit for Oasis, Main Bridge 8530 Windvan, 20 Nozzles	2.0 lbs.
105166	Nozzle Kit for Oasis 8530 Oscillating Windcar/Windvan, 12 Nozzles	1.2 lbs.
105167	Nozzle Kit for Oasis 9120 Windvan, 24 Nozzles	2.4 lbs.
105168	Nozzle Kit for Oasis Undercarriage, 27 Nozzles	2.7 lbs.
105169	Nozzle Kit for Oasis Rocker Panel Sprayers, 10 Nozzles	1.0 lbs.

*105162, 105163, 105166 will replace all nozzles on Windcar unit
105164, 105165, 105166 will replace all nozzles on Windvan unit*

VEHICLE CLEANING ACCESSORIES

Regulators

Product Group: S

	DESCRIPTION	GPM	RATED	INLET	OUTLET	MAX TEMP	SHP WGHT
100878	Brass	5.0 GPM	2000 PSI	3/8" NPT-F	1/8" NPT-F	190° F	1.3 lbs.
100892	Nickel Plated	5.0 GPM	2000 PSI	3/8" NPT-F	1/8" NPT-F	220° F	1.4 lbs.
ZKSX1	316 SS	16.0 GPM	3600 PSI	1/2" BSP-F	1/2" BSP-F	185° F	2.3 lbs.



Balanced Relief Valves

Product Group: T

	GPM	RATED	MAX	INLET	BYPASS	MAX TEMP	SHP WGHT
YBRV624	6.3 GPM	2200 PSI	2450 PSI	3/8" BSP-F	3/8" BSP-F	195° F	0.8 lbs.
YBRV624D	6.3 GPM	2200 PSI	2450 PSI	(2) 3/8" BSP-F	3/8" BSP-F	195° F	1.0 lbs.
100268	6.3 GPM	300 PSI	N/A	(2) 3/8" BSP-F	3/8" BSP-F	195° F	1.0 lbs.
100269	6.3 GPM	300 PSI	N/A	3/8" BSP-F	3/8" BSP-F	195° F	0.8 lbs.
YBRV5325	53.0 GPM	2600 PSI	2900 PSI	3/4" BSP-F	1/2" BSP-F	195° F	2.0 lbs.



Unloaders

Product Group: S

	GPM	RATED	MAX	INLET	OUTLET	BYPASS	MAX TEMP	SHP WGHT
YU831	8.0 GPM	3200 PSI	3650 PSI	3/8" NPT-F	3/8" NPT-F	3/8" NPT-F	195° F	1.4 lbs.
YU831D	8.0 GPM	3200 PSI	3650 PSI	(2) 3/8" NPT-F	3/8" NPT-F	(2) 3/8" NPT-F	195° F	1.5 lbs.
ZK4010	10.5 GPM	4000 PSI	4000 PSI	3/8" BSP-F	3/8" BSP-M	(2) 3/8" BSP-F	185° F	2.3 lbs.
YU2121	21.0 GPM	2200 PSI	2450 PSI	(2) 1/2" NPT-F	1/2" NPT-F	(2) 1/2" NPT-F	200° F	3.1 lbs.
YU5221	53.0 GPM	2200 PSI	2450 PSI	1" NPT-F	1" NPT-F	1" NPT-F	200° F	4.5 lbs.



Check Valves

Product Group: T

	DESCRIPTION	GPM	RATED	MAX	INLET	MAX TEMP	SHP WGHT
YCV14FSS	Stainless Steel	6.5 GPM	5800 PSI	6500 PSI	1/4" BSP-F	195° F	0.5 lbs.
YCV38FSS	Stainless Steel	10.5 GPM	5800 PSI	6500 PSI	3/8" BSP-F	195° F	0.5 lbs.
YCV12FB	Brass	21.0 GPM	2200 PSI	2300 PSI	1/2" BSP-F	195° F	0.5 lbs.
YCV12FSS	Stainless Steel	21.0 GPM	5800 PSI	6500 PSI	1/2" BSP-F	195° F	0.5 lbs.



Accumulators

Product Group: K

	DESCRIPTION	GPM	RATED	MAX	INLET	SHP WGHT
686011	Non-Rechargeable	10.0 GPM	3000 PSI	3000 PSI	1/2" NPT-M	2.5 lbs.
686028	Rechargeable	10.0 GPM	3000 PSI	3000 PSI	1/2" NPT-M	2.5 lbs.
686010	Rechargeable	40.0 GPM	3000 PSI	3000 PSI	1" NPT-M	7.0 lbs.



Rear Entry Spray Guns

Product Group: I

	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
YG3200		6.3 GPM	2900 PSI	3200 PSI	3/8" NPT-F	1/4" NPT-F	320° F	0.8 lbs.
YG3200W	Weep Seat	6.3 GPM	2900 PSI	3200 PSI	3/8" NPT-F	1/4" NPT-F	320° F	0.8 lbs.
YG4000		10.0 GPM	4500 PSI	5000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.8 lbs.
YG4000W	Weep Seat	10.5 GPM	3650 PSI	4050 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.8 lbs.
YG4010		10.5 GPM	4500 PSI	5000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.
YG4010W	Weep Seat	10.5 GPM	4500 PSI	5000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.
YG5000		10.0 GPM	5000 PSI	5000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.
YG5000W	Weep Seat	10.0 GPM	5000 PSI	5000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.



VEHICLE CLEANING ACCESSORIES



YL20PNS



YL20PNB

DL18FWBK



DL18FWBL



DL18FWRD



DL18FBLSS

IMPROVED



100934



RT2K3035

Insulated Lances

Product Group: I

	LENGTH	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
YL20PNS	20" Straight	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.1 lbs.
YL24PNS	24" Straight	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.3 lbs.
YL27PNS	27" Straight	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.4 lbs.
YL20PNB	20" Bend	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.1 lbs.
YL24PNB	24" Bend	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.3 lbs.
YL27PNB	27" Bend	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.4 lbs.

Flexible Lances

	LENGTH	GPM	RATED	MAX	INLET	OUTLET	SHP WGHT
DL18FWRD	18"	10.0 GPM	2250 PSI	2500 PSI	1/4" NPT-M	1/8" NPT-F	1.1 lbs.
DL18FWBL	18"	10.0 GPM	2250 PSI	2500 PSI	1/4" NPT-M	1/8" NPT-F	1.1 lbs.
DL18FWBK	18"	10.0 GPM	2250 PSI	2500 PSI	1/4" NPT-M	1/8" NPT-F	1.1 lbs.
DL18FWRDM	18"	10.0 GPM	2250 PSI	2500 PSI	1/4" NPT-M	1/4" NPT-M	1.1 lbs.
DL18FWBLM	18"	10.0 GPM	2250 PSI	2500 PSI	1/4" NPT-M	1/4" NPT-M	1.1 lbs.
DL18FWBKM	18"	10.0 GPM	2250 PSI	2500 PSI	1/4" NPT-M	1/4" NPT-M	1.1 lbs.

Stainless Steel Flexible Lances

DL18FRDSS	18"	10.0 GPM	2250 PSI	2500 PSI	1/4" NPT-M	1/8" NPT-F	0.9 lbs.
DL18FBLSS	18"	10.0 GPM	2250 PSI	2500 PSI	1/4" NPT-M	1/8" NPT-F	0.9 lbs.
DL18FBKSS	18"	10.0 GPM	2250 PSI	2500 PSI	1/4" NPT-M	1/8" NPT-F	0.9 lbs.

Reedless Flow Switch

Product Group: D

TMT Inline Flowswitch, 5 amp micro switch, minimum flow 0.5 GPM, activation, 48" 18 awg lead, no spring, uses magnets for all movements.

	GPM	MAX	MAX TEMP	INLET	OUTLET	VOLTAGE	MATERIAL	SHP WGHT
100934	12.0 GPM	5000 PSI	180° F	3/8" NPT-F	3/8" NPT-F	250 VAC	Brass	0.3 lbs.
100953	12.0 GPM	5800 PSI	180° F	3/8" NPT-F	3/8" NPT-F	250 VAC	SS	0.5 lbs.

Hurricane – Rotating Nozzle

Product Group: A

Rotating nozzle with magnet enhanced propulsion. Tungsten carbide nozzle and seat provide for superior quality, life, and reliability. Specifically designed for Touchless Vehicle Wash Applications.

	SIZE	ANGLE	MIN PRESSURE	MAX PRESSURE	MAX TEMP	INLET	SHP WGHT
RT2K2020	2.0	20°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.
RT2K2035	3.5	20°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.
RT2K2040	4.0	20°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.
RT2K2045	4.5	20°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.
RT2K3020	2.0	30°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.
RT2K3035	3.5	30°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.
RT2K3040	4.0	30°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.
RT2K3045	4.5	30°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.

GUNS & LANCES

Front Entry Spray Gun

Product Group: I

	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
ZGPIM	10.5 GPM	3000 PSI	3000 PSI	1/4" BSP-M	1/4" BSP-F	284° F	2.0 lbs.
YRL20	8.0 GPM	2900 PSI	3200 PSI	3/8" BSP-F	1/4" BSP-F	320° F	0.8 lbs.
ZGP11	10.5 GPM	3000 PSI	3000 PSI	3/8" BSP-F	1/4" BSP-F	285° F	1.2 lbs.



ZGPIM

Rear Entry Spray Gun

Product Group: I

	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT	BOX QTY
YG4000S	Straight	10.5 GPM	3650 PSI	4050 PSI	3/8" NPT-F	1/4" NPT-F	300° F	1.2 lbs.	20
YG3200		6.3 GPM	2900 PSI	3200 PSI	3/8" NPT-F	1/4" NPT-F	320° F	0.8 lbs.	20
YG3200W	Weep Seat	6.3 GPM	2900 PSI	3200 PSI	3/8" NPT-F	1/4" NPT-F	320° F	0.8 lbs.	20
YG3600		9.0 GPM	3200 PSI	3650 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.	15
YG3600W	Weep Seat	9.0 GPM	3200 PSI	3650 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.	15
YG5000		10.0 GPM	5000 PSI	5000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.	20
YG5000W	Weep Seat	10.0 GPM	5000 PSI	5000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.	20
Chlorine Applications									
YG5000C	Ceramic Ball	10.0 GPM	5000 PSI	5000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.	20
YG4010		10.5 GPM	4500 PSI	5000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.	15
YG4010W	Weep Seat	10.5 GPM	4500 PSI	5000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.2 lbs.	11
YG4000		10.0 GPM	4500 PSI	5000 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.8 lbs.	40
YG4000W	Weep Seat	10.5 GPM	3650 PSI	4050 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.8 lbs.	40
YRL51	Compensating	13.2 GPM	3650 PSI	4050 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.5 lbs.	8
YRL56	Compensating	8.0 GPM	5100 PSI	5650 PSI	3/8" NPT-F	1/4" NPT-F	320° F	1.5 lbs.	8



YG4000S



YG3600



YG5000



YG4000



YRL51



YRL56

High Flow Rear Entry Wash Down Gun

Product Group: I

	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT	BOX QTY
YG1635	Wash Down	16.0 GPM	350 PSI	350 PSI	1/2" BSP-F	Adj. Cone Nozzle	195° F	2.1 lbs.	10
YG1635S	Wash Down (w/swivel)	16.0 GPM	350 PSI	350 PSI	1/2" BSP-F	Adj. Cone Nozzle	195° F	2.1 lbs.	10



YG1635

GUNS & LANCES



YG4060SS



YG1732



YG2953B



YG5200

Rear Entry Spray Gun – Stainless Steel

Product Group: I

	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT	BOX QTY
YG4060SS		10.5 GPM	3650 PSI	4050 PSI	3/8" NPT-F	1/4" NPT-F	320° F	2.0 lbs.	2
YG1732	Cartridge	32 GPM	1740 PSI	1950 PSI	1/2" BSP-F	1/2" BSP-F	320° F	4.0 lbs.	20
YG2953B	Cartridge	53 GPM	2900 PSI	3200 PSI	3/4" BSP-F	1/2" BSP-F	210° F	5.0 lbs.	10
YG5200	Compensating	10.5 GPM	5800 PSI	6400 PSI	3/8" NPT-F	1/4" NPT-F	320° F	2.0 lbs.	20

Spray Gun with Lance

Product Group: I



Y30256717

	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT
YRL56L	42" Lance	8.0 GPM	5100 PSI	5650 PSI	3/8" NPT-F	1/4" NPT-F	320° F	3.3 lbs.
YG3000DS	16" Lance	10.5 GPM	2750 PSI	3050 PSI	3/8" NPT-F	1/8" NPT-F	140° F	2.5 lbs.
YG3000D	40" Lance	10.5 GPM	2750 PSI	3050 PSI	3/8" NPT-F	1/8" NPT-F	140° F	3.0 lbs.
Y30256717	YG5000 assembled with 36" S3 Lance and 1/4" Quick Disconnect							3.0 lbs.
100751	YG5000 assembled with 18" Lance and 1/4" Quick Disconnect							2.5 lbs.
100059	YG4010 assembled with 36" Insulated Lance and 1/4" Quick Disconnect							3.0 lbs.

GUNS & LANCES

Stainless Steel Lance

Product Group: I

	LENGTH	GPM	RATED	MAX	INLET	OUTLET	SHP WGHT	BOX QTY
YL8SS	8"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-M	0.5 lbs.	200
YL31SS	31"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-M	0.7 lbs.	100
YL40SS	40"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-M	1.0 lbs.	100
YL72SS	72"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-M	1.8 lbs.	50



YL8SS

Straight-Insulated Lance

Product Group: I

	LENGTH	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT	BOX QTY
YL20PNS	20"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.1 lbs.	25
YL24PNS	24"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.3 lbs.	25
YL27PNS	27"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.4 lbs.	25
YL35PNS	35"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.7 lbs.	25
YL47PNS	47"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	2.2 lbs.	25
YL59PNS	59"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	2.8 lbs.	10
YL67PNS	67"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	3.0 lbs.	10
YL79PNS	79"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	3.4 lbs.	10



YL20PNS

Bent-Insulated Lance

Product Group: I

	LENGTH	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHP WGHT	BOX QTY
YL36B	Vented 36"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.7 lbs.	20
YL20PNB	20"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.1 lbs.	25
YL24PNB	24"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.3 lbs.	25
YL27PNB	27"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.4 lbs.	25
YL35PNB	35"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	1.7 lbs.	25
YL47PNB	47"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	2.2 lbs.	25
YL59PNB	59"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	2.8 lbs.	10
YL67PNB	67"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	3.0 lbs.	10
YL79PNB	79"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	3.0 lbs.	10
ZZ15	59" Zinc Lance	10.5 GPM	3000 PSI		1/4" BSP-M	1/4" BSP-F	284° F	2.5 lbs.	



YL20PNB

Chrome-Plated Insulated Lances

Product Group: I

	LENGTH	GPM	RATED	INLET	OUTLET	TEMP	WGHT
DL24ICS	24"	10.0 GPM	4000 PSI	1/4" NPT-M	1/4" NPT-M	220° F	1.3 lbs.
DL27ICS	27"	10.0 GPM	4000 PSI	1/4" NPT-M	1/4" NPT-M	220° F	1.4 lbs.
DL36ICS	36"	10.0 GPM	4000 PSI	1/4" NPT-M	1/4" NPT-M	220° F	1.7 lbs.
DL47ICS	47"	10.0 GPM	4000 PSI	1/4" NPT-M	1/4" NPT-M	220° F	2.2 lbs.
DL59ICS	59"	10.0 GPM	4000 PSI	1/4" NPT-M	1/4" NPT-M	220° F	2.8 lbs.
DL79ICS	79"	10.0 GPM	4000 PSI	1/4" NPT-M	1/4" NPT-M	220° F	3.4 lbs.



DL241CS

Vented Chrome-Plated Lances

	LENGTH	GPM	RATED	INLET	OUTLET	TEMP	WGHT
DL36VCS	36"	10.0 GPM	4000 PSI	1/4" NPT-M	1/4" NPT-M	320° F	1.7 lbs.
DL48VCS	48"	10.0 GPM	4000 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.2 lbs.



DL36VCS

Vented Stainless Steel Lance

	LENGTH	GPM	RATED	INLET	OUTLET	TEMP	WGHT
DL36VSSB	36"	10.0 GPM	4000 PSI	1/4" NPT-M	1/4" NPT-M	320° F	1.7 lbs.



DL36VSSB

GUNS & LANCES



YDL33

Stainless Steel, Insulated Handle, Straight Double Lance

Product Group: I

	LENGTH	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHW WGHT	BOX QTY
YDL33	33"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.2 lbs.	20
YDL41	41"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.4 lbs.	20
YDL41SS	41"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.4 lbs.	10
YDL33SSB	33"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.2 lbs.	20
YDL41SSB	41"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.4 lbs.	20



ZZDBL

Zinc-Plated Steel, Bent Double Lance

Product Group: I

	LENGTH	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHW WGHT	BOX QTY
YDL33B	33"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.2 lbs.	20
YDL41B	41"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-M	320° F	2.4 lbs.	20
ZZDBL	36"	10.5 GPM	3000 PSI	3000 PSI	1/4" BSP-M	1/4" BSP-F	284° F	2.5 lbs.	50
100673	ZZDBL Lance assembly with 1/4" QD connector and 965400M nozzle								
ZZDBL72	72"	10.5 GPM	3000 PSI	3000 PSI	1/4" BSP-M	1/4" BSP-F	284° F	3.5 lbs.	50
100752	ZZDBL72 Lance assembly with 1/4" QD connector and 965400M nozzle								



100673

Rectangular Handle - Vented Grip

Product Group: I

	LENGTH	GPM	RATED	MAXIMUM	INLET	OUTLET	MAX TEMP	SHW WGHT	BOX QTY
YDL935	35"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	2.6 lbs.	10
YDL943	43"	10.5 GPM	3650 PSI	4050 PSI	1/4" NPT-M	1/4" NPT-F	320° F	2.4 lbs.	10

D20011



Lance Accessories

Product Group: I

D20011 12" Gutter cleaner, 1/4" QC connectors, for use with #5.0 or larger nozzle
 D22000 Adjustable lance handle for 1/4" lances



D22000



DG320038

Gun Lance Combination

Product Group: I

	GPM	RATED	MAX TEMP	INLET	OUTLET	SHW WGHT
DG320014	6.5 GPM	3200 PSI	195° F	1/4" NPT-F	M22-F	1.5 lbs.
DG320038	6.5 GPM	3200 PSI	195° F	3/8" NPT-F	M22-F	1.5 lbs.
DG3200M	6.5 GPM	3200 PSI	195° F	M22-M	M22-F	1.5 lbs.
DG370038	6.5 GPM	3700 PSI	195° F	3/8" NPT-F	M22-F	2.0 lbs.
DG3700M	6.5 GPM	3700 PSI	195° F	M22-M	M22-F	2.0 lbs.

DGLN3230M Gun, lance, 1.3 mm nozzle, M22 inlet

DLE1618

Lances

	LENGTH	RATED	MAX TEMP	INLET	OUTLET	SHW WGHT
DLE1618	16"	3200 PSI	195° F	M22-M	1/8" NPT-M	0.5 lbs.
DLE2218	22"	3200 PSI	195° F	M22-M	1/8" NPT-M	0.75 lbs.
DLE2818	28"	3200 PSI	195° F	M22-M	1/8" NPT-M	1.0 lbs.
DLE1614	16"	3200 PSI	195° F	M22-M	1/4" NPT-M	0.75 lbs.
DLE2214	22"	3200 PSI	195° F	M22-M	1/4" NPT-M	1.0 lbs.
DLE2814	28"	3200 PSI	195° F	M22-M	1/4" NPT-M	1.25 lbs.

NEW!

DLE1614

PRESSURE CLEANING ACCESSORIES

Flat Surface Cleaner

Clean flat surfaces in a percentage of the time. The cleaner glides easily across the surface uniformly cleaning pool decks, sidewalks, garage floors and more. 20" cover made from heavy-duty ABS material. Metal surfaces made from heavy-duty anodized aluminum.

	MAX GPM	RATED	MIN	DECK	MAX TEMP	INLET	NOZZLE	SHP WGHT
DFSCP18	8.0 GPM	4000 PSI	1000 PSI	18"	180° F	3/8" NPT-F	925020M	19 lbs.
DFSCP20	8.0 GPM	4000 PSI	1000 PSI	20"	180° F	3/8" NPT-F	925020M	24 lbs.

	PART NUMBER
CASTER KIT (4)	2100200
ROTARY HEAD	2103000
ROTARY HEAD KIT - MAJOR	2100202
ROTARY HEAD KIT - MINOR	2100203
ROTARY ARM	2530009
BRUSH SKIRT	2660044
NOZZLE - 2	925020M



Flat Surface Cleaner

Hose Reels

Product Group: N

Direct Hand Crank Rewind with locking mechanism, Solid Steel Construction with Durable Powdercoat Paint and Full Flow Swivel Brass Joint

	DESCRIPTION	MAX
D30001	50' x 3/8", complete with mounting base	3500 PSI
D30002	100' x 3/8", complete with mounting base	3500 PSI
D30004	150' x 3/8", complete with mounting base	3500 PSI
D30006	200' x 3/8", complete with mounting base	3500 PSI
DHR4050	Industrial, 50' x 3/8", complete with mounting base	4000 PSI
DHR4050D	Industrial, 50' x 3/8", complete with mounting base and pigtail	4000 PSI
DHR4100D	Industrial, 100' x 3/8", complete with mounting base and pigtail	4000 PSI



D30001

Water Brooms

Product Group: N

	DESCRIPTION	NOZZLE PORTS	PRESSURE
100869	12" Water Broom with 65 degree nozzles	3	3000 PSI
100870	16" Water Broom with 65 degree nozzles	4	3000 PSI
100869C	100869 with 36" Molded lance, 1/4" QC & High Pressure SS QC Filter	3	3000 PSI
100870C	100870 with 36" Molded lance, 1/4" QC & High Pressure SS QC Filter	4	3000 PSI



100870



100870C

PRESSURE CLEANING ACCESSORIES



DLTG18

The Giraffe – Telescoping Wands

Product Group: I

Cleaning Jobs up to 3 stories high, for use with hot or cold pressure washers. Nozzle holder accepts standard quick couple spray nozzles, gun included.

	LENGTH	GPM	MAX	OUTLET	MAX TEMP	RETRACTED DIMENSIONS	SHW WGHT
DLTG12	12 Feet	10.5 GPM	3500 PSI	1/4" QC	195° F	6.1" x 7' 5"	9.2 lbs.
DLTG18	18 Feet	10.5 GPM	3500 PSI	1/4" QC	195° F	6.1" x 7' 5"	11.6 lbs.
DLTG24	24 Feet	10.5 GPM	3500 PSI	1/4" QC	195° F	6.1" x 7' 8"	14.2 lbs.



DLTG18-24HDA

Product Group: N

D20015 Wand Belt - decreases strain on your back, shoulders and arms. Attaches to all General Pump Telescoping Wands.

New all aluminum pole, 3 sections, 3/8" double braid, 4,000 PSI hose, heaviest duty pole on the market (comes with wand belt).

	LENGTH	GPM	MAX	OUTLET	MAX TEMP	RETRACTED DIMENSIONS	SHW WGHT
DLTG18HDA	18 Feet	10.5 GPM	4000 PSI	1/4" QC	195° F	6.1" x 7' 5"	18.0 lbs.
DLTG24HDA	24 Feet	10.5 GPM	4000 PSI	1/4" QC	195° F	6.1" x 9' 5"	22.0 lbs.

NEW & IMPROVED



YLS12

Foamers

Product Group: N

	DESCRIPTION	GPM	RATED	MAX	SHW WGHT	BOX QTY
YLS12	Foamer Lance with 1.5 mm Injector	6.5 GPM	2900 PSI	3200 PSI	1.5 lbs.	45



YLS12T

YLS12T	Foamer Lance with 1.5 mm Injector (1 qt tank)	6.5 GPM	2900 PSI	3200 PSI	1.5 lbs.	5
YLS31T	Foamer Lance with 1.25 mm Injector	5.3 GPM	2300 PSI	2600 PSI	1.0 lbs.	5



Z0FOAM

Z0FOAM	Foamer Nozzle Kit with Tank
Z0SOAP	20 Soap Sticks for Brush Kit



YROTBRUSH

Brushes

Product Group: N

	DESCRIPTION	MAX TEMP	MAX	INLET	SHW WGHT	BOX QTY
YROTBRUSH 190092	Natural Bristle Rotating Brush YROTBRUSH with Lance	140° F	435 PSI	1/4" BSP-M	1.8 lbs.	21

SPRAY TIPS & NOZZLES

Through-Hardened Stainless Steel Orifice in a Stainless Steel Housing

Part Number Examples

9	Spray Tip	9	Spray Tip	9	Spray Tip
4	Tip Angle, 40°	1	Tip Angle, 15°	0	Tip Angle, 0°
0		5		0	
0		0		0	
3	Tip Size, 03	5	Tip Size, 055	6	Tip Size, 06
0		5		0	
M	Connection, 1/4" Male	S	Connection, 1/8" Male	Q	Quick Disconnect

	SIZE	0° RED	15° YELLOW	25° GREEN	40° WHITE
	020	900020	915020	925020	940020
	025	900025	915025	925025	940025
	030	900030	915030	925030	940030
	032	900032	915032	925032	940032
N	035	900035	915035	925035	940035
O	037	900037	915037	925037	940037
Z	040	900040	915040	925040	940040
Z	045	900045	915045	925045	940045
L	050	900050	915050	925050	940050
E	055	900055	915055	925055	940055
	060	900060	915060	925060	940060
S	070	900070	915070	925070	940070
I	075	900075	915075	925075	940075
Z	080	900080	915080	925080	940080
E	085	900085	915085	925085	940085
	090	900090	915090	925090	940090
	100	900100	915100	925100	940100

GPM @ PSI					
	1000	2000	3000	4000	5000
	1.00	1.41	1.73	2.00	2.24
	1.25	1.77	2.17	2.50	2.80
	1.50	2.12	2.60	3.00	3.35
	1.63	2.30	2.81	3.25	3.63
	1.75	2.47	3.03	3.50	3.91
	1.88	2.65	3.25	3.75	4.17
	2.00	2.83	3.46	4.00	4.47
	2.25	3.18	3.90	4.50	5.03
	2.50	3.54	4.33	5.00	5.59
	2.75	3.89	4.76	5.50	6.15
	3.00	4.24	5.20	6.00	6.71
	3.50	4.95	6.06	7.00	7.83
	3.75	5.30	6.50	7.50	8.39
	4.00	5.66	6.93	8.00	8.94
	4.25	6.01	7.36	8.50	9.50
	4.50	6.36	7.79	9.00	10.06
	5.00	7.07	8.66	10.00	11.18



925055M



925055Q



925055S

Standard Nozzles

Product Group: 0

	DESCRIPTION	SHP WGHT
F-Style	Spray Nozzle, Female 1/4"	0.1 lbs.
M-Style	Spray Nozzle, 1/4" NPT-M	0.1 lbs.
S-Style	Spray Nozzle, 1/8" NPT-M	0.1 lbs.
Q-Style	Spray Nozzle, 1/4" Quick Disconnect	0.1 lbs.



ASSTNOZZLES

SPRAY TIPS & NOZZLES



ASSTNOZZLES

Chemical Nozzles

Product Group: O

	DESCRIPTION	SHP WGHT	BOX QTY
915500MSS	#50 Orifice, 15° Spray Angle, Stainless Steel, 1/4" NPT-M	0.1 lbs.	250
915500QB	#50 Orifice, 15° Spray Angle, Brass, Q-Style	0.1 lbs.	250
965400M	#40 Orifice, 65° Spray Angle, 1/4" NPT-M	0.1 lbs.	250
965400Q	#40 Orifice, 65° Spray Angle, Q-Style, 100% Brass	0.1 lbs.	250
965400S	#40 Orifice, 65° Spray Angle, 1/8" NPT-M, 100% Brass	0.1 lbs.	250
925400M	#40 Orifice, 25° Spray Angle, 1/4" NPT-M	0.1 lbs.	250
925400Q	#40 Orifice, 25° Spray Angle, Q-Style, 100% Brass	0.1 lbs.	250
925400S	#40 Orifice, 25° Spray Angle, 1/8" NPT-M, 100% Brass	0.1 lbs.	250



Nozzle5Pak

Nozzle 5-Pack, 1/4" Quick Disconnect

Product Group: P

(one each: 0°, 15°, 25°, 40°; plus one 65° #40 chemical)

	DESCRIPTION	SHP WGHT
105082	#3.0	0.5 lbs.
105083	#3.5	0.5 lbs.
105084	#4.0	0.5 lbs.
105085	#4.5	0.5 lbs.
105086	#5.0	0.5 lbs.
105087	#5.5	0.5 lbs.
105088	#6.0	0.5 lbs.
105089	#6.5	0.5 lbs.
105090	#7.0	0.5 lbs.



Nozzle4PAK

Nozzle 4-Pack, 1/4" Quick Disconnect

Product Group: P

(one each: 0°, 15°, 25°, and 40°)

	DESCRIPTION	SHP WGHT
105120	#3.5	0.5 lbs.
105121	#4.0	0.5 lbs.
105122	#4.5	0.5 lbs.
105123	#5.0	0.5 lbs.
105124	#5.5	0.5 lbs.
105125	#6.0	0.5 lbs.
105126	#6.5	0.5 lbs.

SPRAY TIPS & NOZZLES

Adjustable Nozzle, Variable Spray Angle and High/Low Pressure Setting

Product Group: A

	SIZE/COLOR	RATED	MAX	MAX TEMP	INLET	SHP WGHT	BOX QTY
YHL20	#2.0 Light Green	3650 PSI	4050 PSI	195° F	1/4" BSP-F	0.4 lbs.	10
YHL25	#2.5 Pink	3650 PSI	4050 PSI	195° F	1/4" BSP-F	0.4 lbs.	10
YHL30	#3.0 White	3650 PSI	4050 PSI	195° F	1/4" BSP-F	0.4 lbs.	10
YHL35	#3.5 Brown	3650 PSI	4050 PSI	195° F	1/4" BSP-F	0.4 lbs.	10
YHL40	#4.0 Dark Yellow	3650 PSI	4050 PSI	195° F	1/4" BSP-F	0.4 lbs.	10
YHL45	#4.5 Blue	3650 PSI	4050 PSI	195° F	1/4" BSP-F	0.4 lbs.	10
YHL50	#5.0 Light Purple	3650 PSI	4050 PSI	195° F	1/4" BSP-F	0.4 lbs.	10
YHL55	#5.5 Dark Red	3650 PSI	4050 PSI	195° F	1/4" BSP-F	0.4 lbs.	10
YHL60	#6.0 Dark Green	3650 PSI	4050 PSI	195° F	1/4" BSP-F	0.4 lbs.	10
YHL70	#7.0 Orange	3650 PSI	4050 PSI	195° F	1/4" BSP-F	0.4 lbs.	10
YHL80	#8.0 Silver	3650 PSI	4050 PSI	195° F	1/4" BSP-F	0.4 lbs.	10



YHL20

Adjustable Spray High/Low Pressure Nozzle

	SIZE/COLOR	RATED	TEMP	MAX INLET	SHP WGHT
DHL4086	0.86 mm	3200 PSI	195° F	1/4" NPT-F	0.5 lbs.
DHL4099	0.99 mm	3200 PSI	195° F	1/4" NPT-F	0.5 lbs.
DHL4120	1.2 mm/Brown	3200 PSI	195° F	1/4" NPT-F	0.5 lbs.
DHL4130	1.3 mm/Yellow	3200 PSI	195° F	1/4" NPT-F	0.5 lbs.
DHL4140	1.4 mm/Blue	3200 PSI	195° F	1/4" NPT-F	0.5 lbs.
DHL4150	1.5 mm/Red	3200 PSI	195° F	1/4" NPT-F	0.5 lbs.
DHL4160	1.6 mm/Green	3200 PSI	195° F	1/4" NPT-F	0.5 lbs.
DHL4170	1.7 mm/Orange	3200 PSI	195° F	1/4" NPT-F	0.5 lbs.
DHL4180	1.8 mm/Silver	3200 PSI	195° F	1/4" NPT-F	0.5 lbs.

NEW!



DHL4120

Adjustable Nozzle, Premium High/Low Pressure Setting and Variable Spray Angle

Product Group: A

	SIZE/COLOR	RATED	MAX	MAX TEMP	INLET	SHP WGHT	BOX QTY
YHILO110	#3.0 White	4050 PSI	4500 PSI	195° F	1/4" BSP-F	0.5 lbs.	10
YHILO120	#3.5 Brown	4050 PSI	4500 PSI	195° F	1/4" BSP-F	0.5 lbs.	10
YHILO130	#4.0 Yellow	4050 PSI	4500 PSI	195° F	1/4" BSP-F	0.5 lbs.	10
YHILO140	#4.5 Blue	4050 PSI	4500 PSI	195° F	1/4" BSP-F	0.5 lbs.	10
YHILO150	#5.5 Red	4050 PSI	4500 PSI	195° F	1/4" BSP-F	0.5 lbs.	10
YHILO160	#6.0 Dark Green	4050 PSI	4500 PSI	195° F	1/4" BSP-F	0.5 lbs.	10
YHILO170	#7.0 Orange	4050 PSI	4500 PSI	195° F	1/4" BSP-F	0.5 lbs.	10



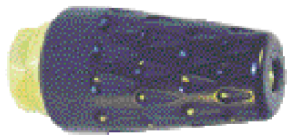
YHILO

	GPM	MAXIMUM	MAX TEMP	INLET	SHP WGHT
ZOMULTIREG99	5.5 GPM	3000 PSI	140° F	1/4" BSP-F	1.1 lbs.



ZOMULTIREG99

SPRAY TIPS & NOZZLES

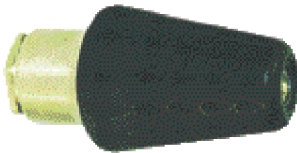


Y3K

Rotating Nozzle

Product Group: A

	SIZE	MAX	MAX TEMP	INLET	SHP WGHT
Y3K020	2.0	3000 PSI	194° F	1/4" BSP-F	.75 lbs.
Y3K030	3.0	3000 PSI	194° F	1/4" BSP-F	.75 lbs.
Y3K035	3.5	3000 PSI	194° F	1/4" BSP-F	.75 lbs.
Y3K040	4.0	3000 PSI	194° F	1/4" BSP-F	.75 lbs.
Y3K045	4.5	3000 PSI	194° F	1/4" BSP-F	.75 lbs.
Y3K050	5.0	3000 PSI	194° F	1/4" BSP-F	.75 lbs.
Y3K055	5.5	3000 PSI	194° F	1/4" BSP-F	.75 lbs.
Y3K065	6.5	3000 PSI	194° F	1/4" BSP-F	.75 lbs.



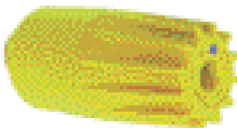
Y5K

Y5K020	2.0	5000 PSI	194° F	1/4" BSP-F	1.75 lbs.
Y5K030	3.0	5000 PSI	194° F	1/4" BSP-F	1.75 lbs.
Y5K035	3.5	5000 PSI	194° F	1/4" BSP-F	1.75 lbs.
Y5K040	4.0	5000 PSI	194° F	1/4" BSP-F	1.75 lbs.
Y5K045	4.5	5000 PSI	194° F	1/4" BSP-F	1.75 lbs.
Y5K050	5.0	5000 PSI	194° F	1/4" BSP-F	1.75 lbs.
Y5K055	5.5	5000 PSI	194° F	1/4" BSP-F	1.75 lbs.
Y5K060	6.0	5000 PSI	194° F	1/4" BSP-F	1.75 lbs.
Y5K065	6.5	5000 PSI	194° F	1/4" BSP-F	1.75 lbs.
Y5K090	9.0	5000 PSI	194° F	1/4" BSP-F	1.75 lbs.
Y5K100	10.0	5000 PSI	194° F	1/4" BSP-F	1.75 lbs.

Rotating Nozzle

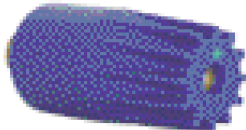
Product Group: A

Shock resistant ceramic, internal stabilization spring, can be operated in any direction. YR23 is designed for lower pressures, YR36 is designed to operate at pressures most common in the market and YR51 is for higher pressures for more demanding applications.



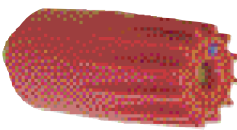
YR23K40

	SIZE	MIN PRESSURE	MAX PRESSURE	MAX TEMP	INLET	SHP WGHT	SHP QTY
YR23K40	4.0	435 PSI	2300 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR23K45	4.5	435 PSI	2300 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR23K50	5.0	435 PSI	2300 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR23K55	5.5	435 PSI	2300 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR23K60	6.0	435 PSI	2300 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR23K65	6.5	435 PSI	2300 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR23K70	7.0	435 PSI	2300 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR23K80	8.0	435 PSI	2300 PSI	212° F	1/4" BSP-F	0.9 lbs.	5



YR36K30

YR36K30	3.0	1150 PSI	3650 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR36K35	3.5	1150 PSI	3650 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR36K40	4.0	1150 PSI	3650 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR36K45	4.5	1150 PSI	3650 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR36K50	5.0	1150 PSI	3650 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR36K55	5.5	1150 PSI	3650 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR36K60	6.0	1150 PSI	3650 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR36K65	6.5	1150 PSI	3650 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR36K70	7.0	1150 PSI	3650 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR36K80	8.0	1150 PSI	3650 PSI	212° F	1/4" BSP-F	0.9 lbs.	5



YR51K30

YR51K30	3.0	2600 PSI	5100 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR51K35	3.5	2600 PSI	5100 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR51K40	4.0	2600 PSI	5100 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR51K45	4.5	2600 PSI	5100 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR51K50	5.0	2600 PSI	5100 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR51K55	5.5	2600 PSI	5100 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR51K60	6.0	2600 PSI	5100 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR51K65	6.5	2600 PSI	5100 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR51K70	7.0	2600 PSI	5100 PSI	212° F	1/4" BSP-F	0.9 lbs.	5
YR51K80	8.0	2600 PSI	5100 PSI	212° F	1/4" BSP-F	0.9 lbs.	5



ZROTOMAX

Adjustable Rotating Nozzle

Product Group: A

	COLOR	GPM	RATED	MAX	MAX TEMP	INLET	BEAR WGHT	QTY
ZROTOMAX1	Red	2.1 to 2.6 GPM	1450 PSI	3500 PSI	176° F	1/4" BSP-F	1.1 lbs.	15
ZROTOMAX2	Light Blue	2.9 to 4.0 GPM	1450 PSI	3500 PSI	176° F	1/4" BSP-F	1.1 lbs.	15
ZROTOMAX3	Black	4.2 to 5.5 GPM	1450 PSI	3500 PSI	176° F	1/4" BSP-F	1.1 lbs.	15

ZRMAX581



ZRMAX583

	ORIFICE	GPM	MAX	INLET	MAX TEMP	SHP WGHT
ZRMAX581	140	2.3 to 4.7 GPM	5800 PSI	1/4" BSP-F	176° F	0.7 lbs.
ZRMAX583	160	3.3 to 6.6 GPM	5800 PSI	1/4" BSP-F	176° F	0.7 lbs.
ZRMAX112	1.10	2.02 to 4.73 GPM	11000 PSI	3/8" BSP-F	176° F	2.2 lbs.
ZRMAX113	1.35	3.32 to 7.78 GPM	11000 PSI	3/8" BSP-F	176° F	2.2 lbs.
ZRMAX114	1.55	4.44 to 10.40 GPM	11000 PSI	3/8" BSP-F	176° F	2.2 lbs.
ZRMAX115	1.80	5.71 to 13.39 GPM	11000 PSI	3/8" BSP-F	176° F	2.2 lbs.

* 1/2" BSP- F Inlet Optional

SPRAY TIPS & NOZZLES

GP Viper Rotating Nozzle

Product Group: A

	SIZE	MAX	MAX TEMP	SHP WGHT
100467	#5.5	5000 PSI	190° F	1.1 lbs.
100487	#4.5	5000 PSI	190° F	1.1 lbs.



100467

Stainless Steel Rotating Nozzle

Product Group: K

	SIZE	MAX	MAX TEMP	INLET	SHP WGHT
Y7K040	4.0	7000 PSI	194° F	1/4" BSP-F	1.5 lbs.
Y7K045	4.5	7000 PSI	194° F	1/4" BSP-F	1.5 lbs.
Y7K050	5.0	7000 PSI	194° F	1/4" BSP-F	1.5 lbs.
Y7K055	5.5	7000 PSI	194° F	1/4" BSP-F	1.5 lbs.
Y7K060	6.0	7000 PSI	194° F	1/4" BSP-F	1.5 lbs.
Y7K065	6.5	7000 PSI	194° F	1/4" BSP-F	1.5 lbs.
Y7K070	7.0	7000 PSI	194° F	1/4" BSP-F	1.5 lbs.



Y7K

Hurricane-Rotating Nozzle

Product Group: A

Rotating nozzle with magnet enhanced propulsion. Tungsten carbide nozzle and seat provide for superior quality, life, and reliability. Specifically designed for Touchless Vehicle Wash Applications.

	SIZE	ANGLE	MIN PRESSURE	MAX PRESSURE	MAX TEMP	INLET	SHP WGHT
RT2K2020	2.0	20°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.
RT2K2035	3.5	20°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.
RT2K2040	4.0	20°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.
RT2K2045	4.5	20°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.
RT2K3020	2.0	30°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.
RT2K3035	3.5	30°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.
RT2K3040	4.0	30°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.
RT2K3045	4.5	30°	500 PSI	2000 PSI	160° F	3/8" NPT-M	1.1 lbs.



RT2K3035

Drain Cleaning Nozzles

Product Group: A

	DESCRIPTION	GPM	MAX	INLET	SHP WGHT
YDRNT1	Microdrain, Brass, #3.5	2.3 GPM	1750 PSI	1/4" BSP-M	0.2 lbs.
YDRNT2	Microdrain, Stainless Steel, #4.0	3.8 GPM	3650 PSI	1/4" BSP-M	0.2 lbs.
YDRNT3	Microdrain, Stainless Steel, #6.0	5.7 GPM	3650 PSI	3/8" BSP-M	0.2 lbs.
ZUDRNT	Drainet, Adjustable Equivalent Orifice Diameter	16.0 GPM	3000 PSI	3/8" BSP-M	0.3 lbs.
ZUMDRNT1	Microdrain, #5.5 Equivalent Orifice Diameter	5.1 GPM	3500 PSI	1/8" BSP-F	0.2 lbs.
ZUMDRNT2	Microdrain, #8.5 Equivalent Orifice Diameter	7.4 GPM	3000 PSI	1/8" BSP-F	0.2 lbs.



YDRNT

Adjustable Nozzle Holder

Product Group: H

	GPM	MAX	INLET	OUTLET	SHP WGHT
YADJNOZ	8 GPM	3650 PSI	1/4" BSP-F	1/4" BSP-F	0.5 lbs.



YADJNOZ

Double Nozzle Holders

Product Group: H

	GPM	MAX	INLET	OUTLET	SHP WGHT
YDBL14	10.5 GPM	2900 PSI	1/4" BSP-F	(2) 1/4" NPT-F	0.5 lbs.
YDBL18	10.5 GPM	2900 PSI	1/4" BSP-F	(2) 1/8" NPT-F	0.5 lbs.
ZUDBL	5.5 GPM	3000 PSI	1/4" BSP-F	(2) 1/4" BSP-F	0.5 lbs.



YDBL

Steam Nozzle

Product Group: A

	DESCRIPTION	MAX	INLET	SHP WGHT
YSTN14F	1.5 mm, .06 Nozzle	1450 PSI	1/4" BSP-F	0.3 lbs.



YSTN14F

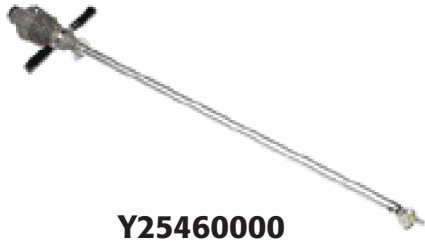
SPRAY TIPS & NOZZLES

Tank Cleaning Nozzles

Product Group: K



	DESCRIPTION	GPM	MAX	SHP WGHT
Y25450000	M63 Electric for small openings	4.0 to 10.5 GPM	2000 PSI	14.0 lbs.
Y25477000	M85 Electric for large openings	21.0 GPM	2000 PSI	14.0 lbs.



Y25460000	M63 Self Propelled for small openings	4.0 to 10.5 GPM	2000 PSI	14.0 lbs.
Y25475000	M85 Self Propelled for large openings	21.0 GPM	2000 PSI	14.0 lbs.



Y25459000	M63 Pneumatic for small openings	4.0 to 10.5 GPM	2000 PSI	10.0 lbs.
Y25479500	M85 Pneumatic for large openings	21.0 GPM	2000 PSI	11.5 lbs.



Y25482000	A-80R Self Propelled Request modified version when using non-rigid drop	6.0 to 32.0 GPM	2000 PSI	11.0 lbs.
Y25485000	A-80R2 Self Propelled (High RPM Version) Request modified version when using non-rigid drop	6.0 to 21.0 GPM	2000 PSI	11.0 lbs.



Y25430060	M21 Electric for barrel cleaning - Wine, chemical, etc. - For use with pressure washer	5.5 GPM	3200 PSI	7.0 lbs.
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Y25435060	M25E Electric for barrel cleaning - With suction capability	6.5 GPM	2300 PSI	9.0 lbs.
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Y25438060	M28E Electric for barrel cleaning - With 90° motor for small area - With suction capability	6.5 GPM	2300 PSI	9.0 lbs.
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COUPLERS & FITTINGS

Quick Disconnect Couplers – EPDM O-Ring

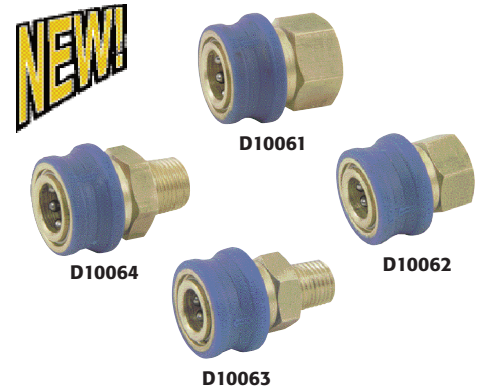
Product Group: H

	DESCRIPTION	MAX
D10001	1/4" with 1/4" NPT-F	5000 PSI
D10003	3/8" with 3/8" NPT-F	4000 PSI
D10002	1/4" with 1/4" NPT-M	5000 PSI
D10004	3/8" with 3/8" NPT-M	4000 PSI
D10005	3/8" with 1/2" NPT-M	4000 PSI
D10035	3/8" with M22	4000 PSI
D10088	3/8" with M22-F	4000 PSI



Easy-Grip Quick Connect Couplers

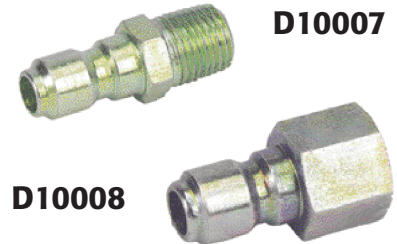
	DESCRIPTION	MAX
D10061	1/4" with 1/4" NPT-F, with Easy-Grip Feature	5000 PSI
D10062	1/4" with 1/4" NPT-M, with Easy-Grip Feature	5000 PSI
D10063	3/8" with 3/8" NPT-F, with Easy-Grip Feature	4000 PSI
D10064	3/8" with 3/8" NPT-M, with Easy-Grip Feature	4000 PSI



Quick Disconnect Plugs

Product Group: H

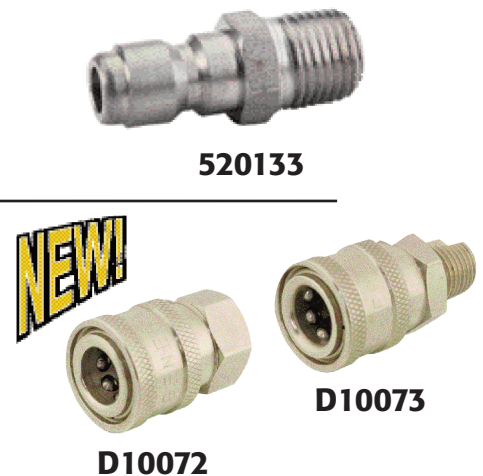
	DESCRIPTION	MAX TEMP	MAX
D10006	1/4" Plug with 1/4" NPT-F, Hardened Steel, Brass Plated	175° F	5000 PSI
D10007	1/4" Plug with 1/4" NPT-M, Hardened Steel, Brass Plated	175° F	5000 PSI
D10008	3/8" Plug with 3/8" NPT-F, Hardened Steel, Brass Plated	175° F	4000 PSI
D10009	3/8" Plug with 3/8" NPT-M, Hardened Steel, Brass Plated	175° F	4000 PSI
100746	3/8" Plug with M22	175° F	4000 PSI
D10089	3/8" Plug with M22-M	175° F	4000 PSI
520133	1/4" Plug with 1/4" NPT-F, Hardened Stainless Steel		5500 PSI
520134	1/4" Plug with 1/4" NPT-M, Hardened Stainless Steel		5500 PSI
520135	3/8" Plug with 3/8" NPT-F, Hardened Stainless Steel		5000 PSI
520136	3/8" Plug with 3/8" NPT-M, Hardened Stainless Steel		5000 PSI



Stainless Steel Quick Disconnect Couplers

Product Group: H

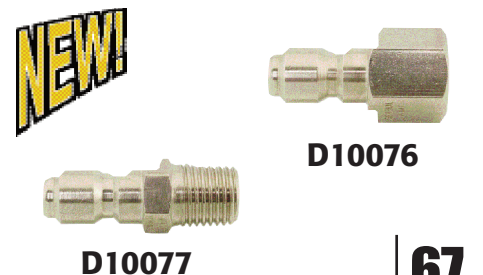
	DESCRIPTION	MAX
D10072	1/4" with 1/4" NPT-F, Stainless Steel	6000 PSI
D10073	1/4" with 1/4" NPT-M, Stainless Steel	6000 PSI
D10074	3/8" with 3/8" NPT-F, Stainless Steel	5000 PSI
D10075	3/8" with 3/8" NPT-M, Stainless Steel	5000 PSI
D10090	1/2" with 1/2" NPT-F, Stainless Steel	5000 PSI
D10091	1/2" with 1/2" NPT-M, Stainless Steel	5000 PSI



Stainless Steel Disconnect Plugs

Product Group: H

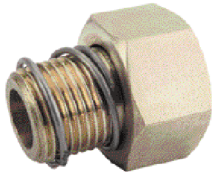
	DESCRIPTION	MAX
D10076	1/4" Plug with 1/4" NPT-F, Stainless Steel	6000 PSI
D10077	1/4" Plug with 1/4" NPT-M, Stainless Steel	6000 PSI
D10078	3/8" Plug with 3/8" NPT-F, Stainless Steel	5000 PSI
D10079	3/8" Plug with 3/8" NPT-M, Stainless Steel	5000 PSI
D10092	1/2" Plug with 1/2" NPT-F, Stainless Steel	5000 PSI
D10093	1/2" Plug with 1/2" NPT-M, Stainless Steel	5000 PSI



COUPLERS & FITTINGS



D10010



100275

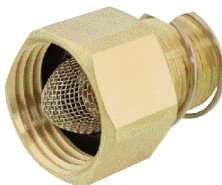
NEW!



D10084



D10017



D10032



700004

Garden Hose Fittings

Product Group: H

	DESCRIPTION	INLET	OUTLET
D10010	Garden Hose Assembly	3/4" M Garden Hose	1/2" QD-M
D10011	Plug	3/4" M Garden Hose	1/2" QD-M
D10012	Coupler	3/4" F Garden Hose	1/2" QD

100275	Garden Hose Adapter Kit	3/4" Garden Hose	1/2" NPT-M
100276	Garden Hose Adapter Kit	3/4" Garden Hose	1/2" NPT-F
100277	Garden Hose Adapter Kit	3/4" Garden Hose	3/8" NPT-M

	DESCRIPTION	PORT	INLET	OUTLET
D10084	Garden Hose Inlet, Long	1/4" NPT-F	3/4" Garden Hose	3/8" BSP-M
D10085	Garden Hose Inlet, Long	1/4" NPT-F	3/4" Garden Hose	1/2" NPT-M

Garden Hose Fittings with Screens

	DESCRIPTION	INLET	OUTLET
D10016	Garden Hose Fitting, with screen	3/4" Garden Hose	1/2" NPT-F
D10017	Garden Hose Fitting, with screen	3/4" Garden Hose	3/8" NPT-F
D10032	Garden Hose Fitting, with screen	3/4" Garden Hose	1/2" NPT-M
D10033	Garden Hose Fitting, with screen	3/4" Garden Hose	3/8" NPT-M

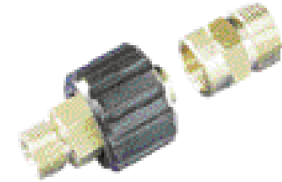
	DESCRIPTION	PORT	INLET	OUTLET
680006	Garden Hose Inlet for TP Series 51 Pumps, with O-Ring (long)		3/4" Garden Hose	1/2" BSP-M
680007	Garden Hose Assembly	1/4" NPT-F	3/4" Garden Hose	3/8" BSP-M
680073	Garden Hose Inlet for TP/TT Series (Short)		3/4" Garden Hose	1/2" BSP-M
700034	Garden Hose Filter Washer, Stainless Steel, 30 mesh			
700004	Garden Hose Filter Washer, Stainless Steel, 50 mesh			
720039	Garden Hose Retention Spring, Stainless Steel			

COUPLERS & FITTINGS

Quick Disconnect Fittings – Twist Connect

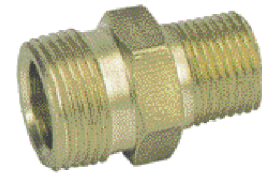
Product Group: H

	DESCRIPTION	RATED	MAX	SHP WGHT
ZMINA14F	1/4" F Plug	3000 PSI	3000 PSI	0.2 lbs.
ZMINA14M	1/4" M Plug	3000 PSI	3000 PSI	0.2 lbs.
ZMINA38F	3/8" F Plug	3000 PSI	3000 PSI	0.2 lbs.
ZMINB12M	1/2" M Coupler	3000 PSI	3000 PSI	0.2 lbs.
ZMINB14F	1/4" F Coupler	3000 PSI	3000 PSI	0.2 lbs.
ZMINB14M	1/4" M Coupler	3000 PSI	3000 PSI	0.2 lbs.
ZMINB38F	3/8" F Coupler	3000 PSI	3000 PSI	0.2 lbs.
ZMINB38M	3/8" M Coupler	3000 PSI	3000 PSI	0.2 lbs.



ZMINA-ZMINB

	DESCRIPTION	RATED	SHP WGHT
D10019	1/2" M Plug x M22	4000 PSI	0.2 lbs.
D10020	1/2" F Plug x M22	4000 PSI	0.2 lbs.
D10022	1/4" F Plug x M22	4000 PSI	0.2 lbs.
D10021	1/4" M Plug x M22	4000 PSI	0.2 lbs.
D10023	3/8" M Plug x M22	4000 PSI	0.2 lbs.
D10024	3/8" F Plug x M22	4000 PSI	0.2 lbs.



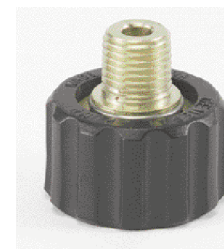
D10023



D10024

EPDM O-Ring

	DESCRIPTION	RATED	SHP WGHT
D10025	1/2" F Coupler, 1 O-Ring, M22	4000 PSI	0.2 lbs.
D10026	1/2" M Coupler, 1 O-Ring, M22	4000 PSI	0.2 lbs.
D10027	1/4" F Coupler, 1 O-Ring, M22	4000 PSI	0.2 lbs.
D10028	1/4" M Coupler, 1 O-Ring, M22	4000 PSI	0.2 lbs.
D10029	3/8" F Coupler, 1 O-Ring, M22	4000 PSI	0.2 lbs.
D10030	3/8" M Coupler, 1 O-Ring, M22	4000 PSI	0.2 lbs.

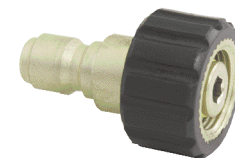


D10030

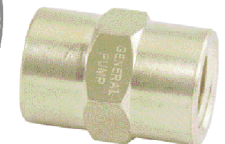


D10028

	DESCRIPTION	RATED	SHP WGHT
D10040	M22 QD Plug x M22 QD Plug	4000 PSI	0.1 lbs.
D10041	M22 Coupler x M22 Coupler	4000 PSI	0.3 lbs.
D10043	Brass Pipe Thread Reducer, 3/8" NPT-M x 1/4" NPT-F	4500 PSI	0.2 lbs.
D10044	Brass Pipe Coupling, 1/4" NPT-F	4000 PSI	0.1 lbs.
D10037	M22 Coupler x 3/8" QD Plug	4000 PSI	0.2 lbs.
D10052	Union, 3/8" NPT-M x 3/8" NPT-M, Steel	5000 PSI	0.2 lbs.



D10037



D10044

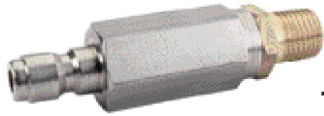


D10041



D10040

FILTERS & STRAINERS



100560



100622



YF00



YF00C



D40003



D40006



ZF1



ZF2

Inline High-Pressure Filters

Product Group: G

	DESCRIPTION	GPM	MAX	MAX TEMP	INLET	OUTLET	SHP WGHT
100560	100 Mesh Screen, 416 Stainless Steel	8.0 GPM	5500 PSI	200° F	1/4" QD	1/4" NPT	0.5 lbs.
100622	100 Mesh Screen, Brass	8.0 GPM	5000 PSI	200° F	1/4" NPT-M	1/4" NPT-M	0.5 lbs.
100647	100 Mesh Screen, Brass	8.0 GPM	5000 PSI	200° F	1/4" NPT-F	1/4" NPT-M	0.5 lbs.

Chemical Filters

Product Group: G

	DESCRIPTION	SHP WGHT
ZOFILKIT	Chemical Hose & Filter	0.5 lbs.
YF00	Plastic Chemical Filter, 1/4" Hose Barb	0.3 lbs.
YF00C	Plastic Chemical Filter with Check, 1/4" Hose Barb	0.3 lbs.
YF30	Plastic Chemical Filter with Stainless Steel Plug, 1/4" Hose Barb	0.3 lbs.
YF30C	Plastic Chemical Filter with Stainless Steel Plug with Check, 1/4" Hose Barb	0.3 lbs.
D40001	Plastic Chemical Filter with Check Valve, 1/4" Hose Barb and 4 Foot Hose	0.5 lbs.

	DESCRIPTION	SHP WGHT
D40003	Plastic chemical filter with check valve, gray	0.3 lbs.
D40006	Plastic two-step chemical filter with no check valve, black	0.3 lbs.

	DESCRIPTION	SHP WGHT	BOX QTY
ZF1	Plastic filter with Brass Hose Barb, 1/4" Hose Barb	0.2 lbs.	30
ZF2	Plastic filter with Brass Hose Barb with Check, 1/4" Hose Barb	0.3 lbs.	30

FILTERS & STRAINERS

Inlet Filter

Product Group: G

Integrated Garden Hose Nut

	DESCRIPTION	GPM	MIN	MAX	INLET	OUTLET	BYPASS	SHP WGHT
100649	Integrated Garden Hose Nut	8.0 GPM	15 PSI	150 PSI	1/2" NPT-M	3/4" GH	-	0.5 lbs.
100650	Integrated Garden Hose Nut	8.0 GPM	15 PSI	150 PSI	3/8" NPT-M	3/4" GH	-	0.5 lbs.



100649

100651	Integrated Garden Hose Nut	8.0 GPM	15 PSI	150 PSI	1/2" NPT-M	3/4" GH	1/4"	0.5 lbs.
100652	Integrated Garden Hose Nut	8.0 GPM	15 PSI	150 PSI	3/8" NPT-M	3/4" GH	1/4"	0.5 lbs.



100652

	DESCRIPTION	GPM	MAX	INLET	OUTLET	SHP WGHT
ZMFIL	Aluminum Body, 50 Mesh	5.8 GPM	145 PSI	1/2" BSP-F	1/2" BSP-M	0.5 lbs.



ZMFIL

Inlet Strainers

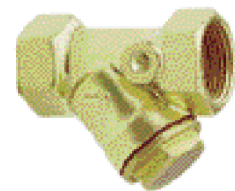
Product Group: G

	DESCRIPTION	GPM	MAX	INLET	OUTLET	BYPASS	SHP WGHT
YF5BMF	Plastic Body, 50 Mesh	8 GPM	145 PSI	1/2" BSP-M	1/2" BSP-F	1/4"	0.5 lbs.
YF5MF	Plastic Body, 50 Mesh	8 GPM	145 PSI	1/2" BSP-M	1/2" BSP-F	-	0.5 lbs.
YFY1	Plastic Body, 50 Mesh	21 GPM	145 PSI	1" BSP-F	1" BSP-F	-	0.5 lbs.
YFY34	Plastic Body, 50 Mesh	21 GPM	145 PSI	3/4" BSP-F	3/4" BSP-F	-	0.5 lbs.



YFY1

YYSTR12	Brass Body, 45 Mesh	15 GPM	175 PSI	1/2" NPT-F	1/2" NPT	-	0.3 lbs.
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YYSTR12

GAUGES & SWITCHES



100272

Thermostats

Product Group: R

	DESCRIPTION	GPM	MAX	INLET	OUTLET	SHP WGHT
100272	Flow Through Style	1 to 35 GPM	2000 PSI	1/2" NPT	1/2" NPT	1.0 lbs.



100438

Probe Style Thermostats Insulated SS Capillary Copper Immersion Bulb (UL/CSA approved).

	RATING	PRESSURE	MAX TEMP	SHP WGHT
100438	16(4)A-380V Electric Rating	4000 PSI	86-194°	0.5 lbs.
100439	16(4)A-380V Electric Rating	4000 PSI	86-320°	0.5 lbs.
100538	16(4)A-380V Electric Rating	4000 PSI	86-250°	0.5 lbs.

Thermostats Bulk Packaged (25 per box) Product Group: B

100438B	16(4)A-380V Electric Rating	4000 PSI	86-194°	12.5 lbs.
100439B	16(4)A-380V Electric Rating	4000 PSI	86-320°	12.5 lbs.
100538B	16(4)A-380V Electric Rating	4000 PSI	86-250°	12.5 lbs.



Y29026035

Y29026035	Probe Pocket	4500 PSI	N/A	0.4 lbs.
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Pressure Switches

Product Group: D



YPRESSWITCH

	ACTIVATED PRESSURE	RATED PRESSURE	MAX TEMP	INLET	SHP WGHT
<i>15 amps, 250 Volts, 580 Switching Pressure, Brass Stem, Stainless Steel Nipple</i>					
YPRESSWITCH	580 PSI	3600 PSI	195° F	1/4" NPT-M	0.5 lbs.

<i>15 amps, 250 Volts, 360 Switching Pressure, Brass Stem, Stainless Steel Nipple</i>					
YPRESSWITCH1535	360 PSI	3600 PSI	195° F	3/8" BSP-M	0.5 lbs.

<i>15 amps, 250 Volts, 580 Switching Pressure, Brass Stem, Stainless Steel Nipple</i>					
YPRESSWITCH1564	580 PSI	3600 PSI	195° F	3/8" BSP-M	0.5 lbs.

<i>5 amps, 250 Volts, 360 Switching Pressure, Brass Stem and Nipple</i>					
YPRESSWITCH535	360 PSI	3600 PSI	195° F	1/4" BSP-M	0.5 lbs.

<i>5 amps, 250 Volts, 580 Switching Pressure, Brass Stem and Nipple</i>					
YPRESSWITCH564	580 PSI	3600 PSI	195° F	1/4" BSP-M	0.5 lbs.

<i>15 amps, 250 Volts, 650 Switching Pressure, Stainless Steel Stem and Nipple</i>					
YPRESSWITCHHP	650 PSI	5800 PSI	195° F	3/8" BSP-M	0.5 lbs.

<i>15 amps, 250 Volts, 215 Switching Pressure, Stainless Steel Stem and Nipple</i>					
YPRESSWITCH1521	215 PSI	3600 PSI	195° F	1/4" NPT-M	0.5 lbs.

<i>5 amps, 250 Volts, 215 Switching Pressure, Stainless Steel Stem and Nipple</i>					
YPRESSWITCH521	215 PSI	3600 PSI	195° F	1/4" NPT-M	0.5 lbs.



YPRESSWITCH535



ZMSIMPLEX3

<i>5 amps, 250 Volts, 435 Switching Pressure, Brass Stem and Nipple</i>					
ZMSIMPLEX3	725 PSI	3000 PSI		1/4" BSP-M	0.5 lbs.

GAUGES & SWITCHES

Reedless Flow Switch

Product Group: D

TMT Inline Flowswitch, 5 amp micro switch, minimum flow 0.5 GPM activation, 48" 18 awg lead, no spring, uses magnets for all movements

	GPM	MAX	MAX TEMP	INLET	OUTLET	VOLTAGE	MATERIAL	SHP WGHT
100934	12.0 GPM	5000 PSI	180° F	3/8" NPT-F	3/8" NPT-F	250 VAC	Brass	0.3 lbs.
100953	12.0 GPM	5800 PSI	180° F	3/8" NPT-F	3/8" NPT-F	250 VAC	SS	0.3 lbs.
100879	10.0 GPM	4000 PSI	180° F	3/8" NPT-F	3/8" NPT-F	250 VAC	Brass	1.5 lbs.



100934



100953



100879

Flow Switches

Product Group: D

	GPM	RATED	MAX	MAX TEMP	INLET	OUTLET	SHP WGHT
<i>3 amp, 230 Volts, 36" Cord (Mount in Vertical Position Only)</i>							
YFLOSWITCH	8.0 GPM	3650 PSI	4050 PSI	175° F	3/8" BSP-M	3/8" BSP-M	0.6 lbs.
<i>3 amp, 230 Volts, 48" Cord, Gauge Port</i>							
YFL3SWITCH	8.0 GPM	3650 PSI	4050 PSI	175° F	3/8" BSP-M	1/4" BSP-M	0.4 lbs.
<i>1 amp, 250 Volts, 48" Cord, Flow Through Design</i>							
YFL7SWITCH	8.0 GPM	5100 PSI		175° F	3/8" BSP-F	3/8" BSP-F	0.5 lbs.
<i>3 amp, 250 Volts 96" Cord (5 amp Max Carrying)</i>							
103011	.75 to 18.7 GPM	18 PSI	4000 PSI	165° F	3/8" NPT-F	3/8" NPT-F	2.5 lbs.
<i>3 amp, 250 Volts 96" Cord with Pilot Feature (5 amp Max. Carrying)</i>							
100329	.75 to 16.0 GPM	5000 PSI	5000 PSI	165° F	3/8" NPT-F	3/8" NPT-F	2.5 lbs.



YFLOSWITCH



YFL7SWITCH



100329

Throttle Control for Gasoline Engines

	RATED	MAX	INLET	SHP WGHT
ZSPEED	725 PSI	3000 PSI	3/8" NPT-M	1.1 lbs.



ZSPEED

MISC. ACCESSORIES



320001

Gauges (Glycerin Filled, Dual Scale)

Product Group: D

	PRESSURE	PORT	PORT LOCATION	SHW WT
320005	2000 PSI	1/4" NPT	Bottom Mount	0.7 lbs.
320000	3000 PSI	1/4" NPT	Bottom Mount	0.7 lbs.
320002	3000 PSI	1/4" NPT	Bottom Mount	0.7 lbs.
320001	5000 PSI	1/4" NPT	Panel Mount	0.7 lbs.
320003	5000 PSI	1/4" NPT	Bottom Mount	0.7 lbs.
320004	20000 PSI	1/2" NPT	Bottom Mount	1.0 lbs.



D10047

	PRESSURE	INJECTOR	GAUGE PORT	CONNECTION	SHW WT
D10048	0-5000 PSI	1.8 mm Inj.	1/8" NPT	M22	1.1 lbs.
D10047	0-5000 PSI	-	1/8" NPT	3/8" QC	1.1 lbs.

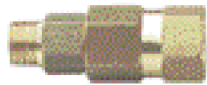


190031

Valve Caps with Gauge Ports

Product Group: D

	DESCRIPTION	SHW WT
190029	Valve Cap with Gauge Port for 47 Series Pump	0.5 lbs.
190031	Valve Cap with Gauge Port for TT Series Pump	0.5 lbs.
190107	Valve Cap with Gauge Port for EZ Series Pump	0.5 lbs.
190358	Valve Cap with Gauge Port for 47 Series Pump, Fine Thread	0.5 lbs.

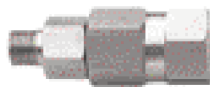


YSW38MFB

High-Pressure Swivels

Product Group: H

	DESCRIPTION	GPM	RATED	MAX	INLET	OUTLET	MAX TEMP	SHW WT
<i>Medium Resistance</i>								
YSW38MFB	Brass	10.5 GPM	3650 PSI	4050 PSI	3/8" BSP-M	3/8" BSP-F	320° F	0.3 lbs.
YSW14MFB	Brass	10.5 GPM	3650 PSI	4050 PSI	1/4" BSP-M	1/4" BSP-F	320° F	0.3 lbs.
YSW38MFSS	SS	10.5 GPM	5100 PSI	5650 PSI	3/8" BSP-M	3/8" BSP-F	320° F	0.3 lbs.
YSW14MFSS	SS	10.5 GPM	5100 PSI	5650 PSI	1/4" BSP-M	1/4" BSP-F	320° F	0.3 lbs.



YSW38MFSS



SW14MFN



SW38MF90N

	DESCRIPTION	GPM	RATED	INLET	OUTLET	MAX TEMP	SHW WT
SW14MFN	Nickel Plated	12.0 GPM	1500 PSI	1/4" NPT-M	1/4" NPT-F	200° F	0.3 lbs.
SW38MF90N	Nickel Plated, 90° Elbow	12.0 GPM	1500 PSI	3/8" NPT-M	3/8" NPT-F	200° F	0.5 lbs.
SW38MFN	Nickel Plated	12.0 GPM	1500 PSI	3/8" NPT-M	3/8" NPT-F	200° F	0.3 lbs.
D10066	Brass	10.0 GPM	4000 PSI	3/8" NPT-M	3/8" NPT-F	200° F	0.3 lbs.
D10067	SST	10.0 GPM	5000 PSI	3/8" NPT-M	3/8" NPT-F	200° F	0.3 lbs.
D10070	SST, QD	10.0 GPM	5000 PSI	3/8" QD	3/8" QD plug	200° F	0.3 lbs.
D10071	Brass, Steel, QD	10.0 GPM	4000 PSI	3/8" QD	3/8" QD plug	200° F	0.3 lbs.

MISC. ACCESSORIES

Complete Electric Pressure Washers

Product Group: E

FOR99SM	FORMULA 99 – Turbo 21 Aluminum Manifold, 1000 PSI	46.0 lbs.
190118	QUIKY – Turbo 21 Brass Manifold, Partial Plastic Enclosure, 1000 PSI with 10 meter Cord, GFCI and 36" Lance	53.0 lbs.
PU1021	BOXJET – Turbo 21 Aluminum Manifold, Complete Plastic Enclosure, 1000 PSI	52.0 lbs.
PU1021B	BOXJET – Turbo 21 Brass Manifold, Complete Plastic Enclosure, 1000 PSI	52.0 lbs.
PU1021QB	QUIKY – Turbo 21 Brass Manifold, Partial Plastic Enclosure, 1000 PSI	52.0 lbs.



PU1021

Electric Pressure Washer Accessories

Product Group: N

ZOBOXCART	Cart Kit for Boxjet	13.0 lbs.
ZOBOXWALL	Wall Brackets for Boxjet	8.0 lbs.
ZOBRUSHKIT	Boxjet Rotating Brush Kit	3.0 lbs.
ZODRAINKIT	Boxjet Drain Kit with Hose	2.0 lbs.
ZOSANDKIT1	Boxjet Sandblasting Kit with Hose Poker	3.0 lbs.



ZOSANDKIT1

Accumulators/Pulsation Dampeners

Product Group: K

	DESCRIPTION	GPM	RATED	INLET	SHP WGHT
ZMACC	Rebuildable	8.0 GPM	1350 PSI	3/4" NPT-M	0.5 lbs.
686028	Rechargeable	10.0 GPM	3000 PSI	1/2" NPT-M	2.5 lbs.
686011	Non-Rechargeable	10.0 GPM	3000 PSI	1/2" NPT-M	2.5 lbs.
*686010	Rechargeable	40.0 GPM	3000 PSI	1" NPT-M	7.0 lbs.

***190200 Recharge Kit for 686010**



686010

Float Tank and Valve

Product Group: N

	DESCRIPTION	GPM	RATED	INLET	SHP WGHT	BOX QTY
YFLOATVALVE	Brass, Gray Float	7.0 GPM	145 PSI	3/8" BSP-M	0.8 lbs.	25
YRG60FV	Brass, Float	7.0 GPM	145 PSI	1/2" BSP	0.8 lbs.	25



YFLOATVALVE

	DESCRIPTION	INLET	SHP WGHT	BOX QTY
YFLOATANK	1.05 Gallon Plastic Tank with Cover and Brass Float Valve	3/8" BSP-M	0.5 lbs.	12



YFLOATANK

MISC. ACCESSORIES

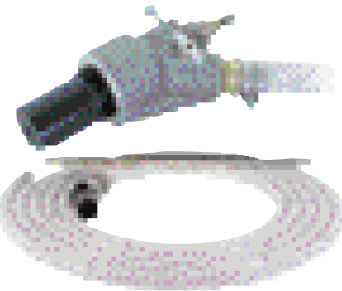


ZMSNDBLST1

Sandblasting Nozzles

Product Group: N

	DESCRIPTION	SHP WGHT
ZMSNDBLST0	1.5 mm/.059 Nozzle	2.5 lbs.
ZMSNDBLST1	1.6 mm/.063 Nozzle	2.5 lbs.
ZMSNDBLST2	1.7 mm/.067 Nozzle	2.5 lbs.
ZMSNDBLST3	1.85 mm/.073 Nozzle	2.5 lbs.
ZMSNDBLST4	2.1 mm/.083 Nozzle	2.5 lbs.
ZMSNDBLST5	2.3 mm/.091 Nozzle	2.5 lbs.



DWSDBTK

DWSDBTK	Complete wet industrial sandblast kit, 5500 PSI (1/4" nozzle not included)	10.0 lbs.
2100206	Mixing Head, Sandblast	
2100208	Mixing Head and Nozzle, Sandblast	



ZMSNDPOKER

ZMSNDPOKER	Sand Poker	0.5 lbs.
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NEW!



100783 EXTRACTION KIT

Service Products

Product Group: Net

KIT1S	Pump Service Video
KIT2S	Packing Insertion Kit & Pump Service Video
KIT3S	Packing Extraction Kit & Pump Service Video
KIT4S	Complete Tool Kit & Pump Service Video
TOOLKITPRI	Complete Packing Replacement and Insertion Kit
ZMVALAT	Complete Tool Kit
ZMVTOOL	Packing Insertion Tool

Product Group: N

26019400	Packing Extractor, Slide Hammer
27124900	Packing Extractor, 18 mm
26093400	Packing Extractor, Socket, 20 mm
26407400	Packing Extractor, 15 mm
26093500	Packing Extractor, Socket, 22 mm
26093600	Packing Insertion Socket, 24 mm

100783	Extraction Kit, 13 mm through 24 mm
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TERMS & CONDITIONS RETURN POLICY

GP COMPANIES SALES POLICIES

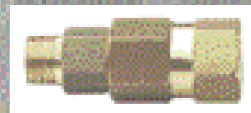
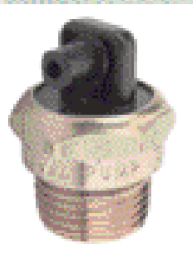
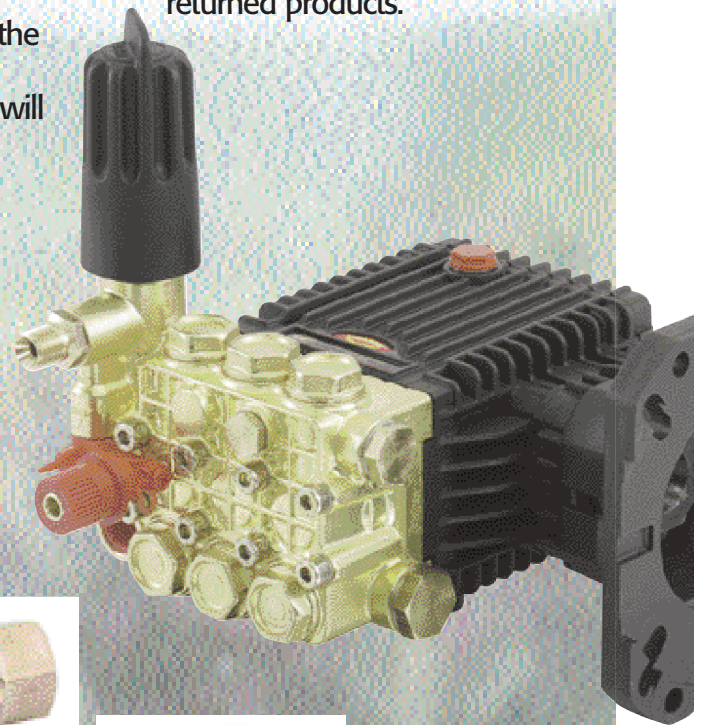
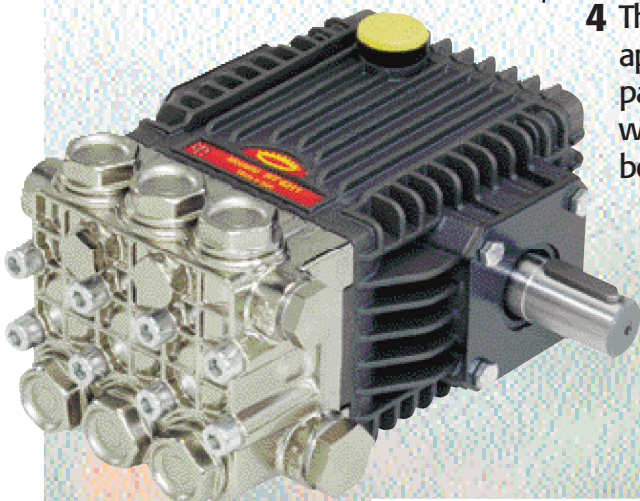
General Pump reserves the right to refuse to conduct business with any company not in good credit standing or that is not determined to be a qualified manufacturer, wholesaler or distributor.

TERMS & CONDITIONS

- Credit terms are Net 30 days, subject to credit department approval
- All shipments are FOB, Mendota Heights, MN
- Pricing is subject to change without notice

RETURN POLICY

- 1** To expedite the Return Merchandise Authorization (RMA) process, please have your General Pump invoice number available when you contact the inside sales department.
- 2** An RMA number **must** be acquired before returning product. To obtain an RMA number, please call General Pump's Inside Sales Department at (651) 454-6500
- 3** An RMA number is valid for 60 days from the date of issue. If the product is not received within 60 days, a new RMA number must be issued.
- 4** The RMA number **must** appear on the outside of the package. Items received without an RMA number will be refused.
- 5** Freight for returns, except for products shipped in error by General Pump, is the customer's responsibility.
- 6** General Pump will repair or replace products qualified as defective under General Pump's warranty.
- 7** For the safety of our employees, all products used in any type of chemical application must include the MSDS sheet for the chemical used.
- 8** If you require immediate replacement for products submitted for warranty consideration, General Pump will ship and invoice at current price. Standard warranty policy will apply to returned products.



WARRANTY INFORMATION



PUMP WARRANTY

January 1, 2007

The following statement is intended to assist our customers in understanding the terms of our warranty, the circumstances under which we will honor claims, and the procedure for making such claims.

GP Companies, Inc. warrants each pump manufactured by General Pump to be free of defects in material or workmanship for a period of five (5) years from the date of shipment with the exception of TV/TH Series 57 Pumps, Consumer Pumps, the hydraulic pump line and the centrifugal pump line. In addition, GP Companies, Inc. warrants all forged brass pump manifolds to be free of defects in material and workmanship and from damage resulting from freezing for the life of the pump. Liability under this warranty is on all non-wear parts and limited to the repair or replacement of any pump returned to General Pump/US which upon inspection, is judged to be defective due to workmanship or material failure. Any product returned to General Pump should be shipped freight prepaid to GP Companies, Inc. – 1174 Northland Drive – Mendota Heights, MN 55120 and must display a Return Authorization Number obtained from General Pump's Inside Sales Department (651) 454-6500, Fax (800) 535-1745.



WARRANTY INFORMATION

In the course of marketing or servicing the customer or potential customer's needs, General Pump will use its best judgement in its recommendations. However, the ultimate responsibility for product application decisions shall rest with the customer. The sole and only warranty made by General Pump is the limited warranty described above. General Pump makes no other warranty of any kind, express or implied, including any implied warranty or merchantability or of fitness for a particular use or purpose. General Pump disclaims and denies any liability for any direct, indirect, special, incidental or consequential damages which may be suffered as a result of sale, delivery, servicing, use, loss of any product, downtime, labor, freight or other charges not expressly included herein. The only liability and the total liability of General Pump under this limited warranty or in any claim regarding or involving General Pump is expressly limited to the replacement or purchase price of the product.



The following items are not warranted, due to matters beyond GP Companies, Inc. control.

- 1** Normal wear and tear to parts that are considered standard wear parts;
- 2** Defects caused by the fault or negligence of the buyer or third party;
- 3** Use of unauthorized repair parts;
- 4** Modifications made by the customer.
- 5** Car wash series pumps are covered for damage caused by fresh water wash out for the life of the pump.

This warranty statement supersedes and replaces non-dated warranties or previously dated warranties.

ACCESSORY WARRANTY

January 1, 2007

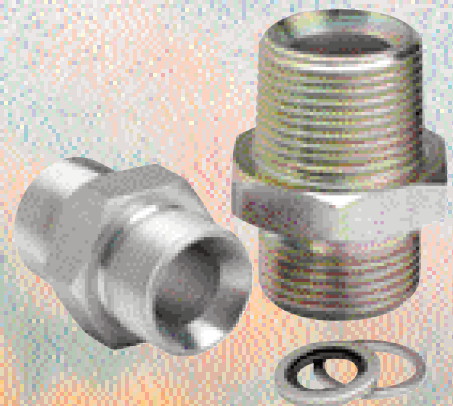
GP Companies, Inc. accessories are warranted by the manufacturer to the original purchaser to be free from defects in material and workmanship under normal use and service. "Normal use and service" means not in excess of the recommended pressures and temperatures or handling fluids not compatible with component materials. This warranty shall not apply to any accessory that has been repaired or altered to affect the performance or reliability of the accessory.

Warranty does not apply to:

- 1** freight damage;
- 2** freeze damage;
- 3** damage caused by parts and/or accessories not obtained from or approved by General Pump;
- 4** damage caused by misuse and/or misapplication;
- 5** normal wear of moving parts or components affected by moving parts

The period of the warranty is 90 days from the date the product is purchased. Liability of manufacturer under the foregoing warranty is limited to repair or replacement at the option of the manufacturer of that product, which according to the manufacturer's investigation was deemed defective at the time of the shipment.

This warranty is in lieu of all other warranties, expressed or implied, including any warranty of merchantability and/or any and all other obligations or liabilities on the part of the manufacturer.



REFERENCE

Temperature Conversion Table							
°C	°F	°C	°F	°C	°F	°C	°F
100	212.0	75	167.0	50	122.0	25	77.0
99	210.2	74	165.2	49	120.2	24	75.2
98	208.4	73	163.4	48	118.4	23	73.4
97	206.6	72	161.6	47	116.6	22	71.6
96	204.8	71	159.8	46	114.8	21	69.8
95	203.0	70	158.0	45	113.0	20	68.0
94	201.2	69	156.2	44	111.2	19	66.2
93	199.4	68	154.4	43	109.4	18	64.4
92	197.6	67	152.6	42	107.6	17	62.6
91	195.8	66	150.8	41	105.8	16	60.8
90	194.0	65	149.0	40	104.0	15	59.0
89	192.2	64	147.2	39	102.2	14	57.2
88	190.4	63	145.4	38	100.4	13	55.4
87	188.6	62	143.6	37	98.6	12	53.6
86	186.8	61	141.8	36	96.8	11	51.8
85	185.0	60	140.0	35	95.0	10	50.0
84	183.2	59	138.2	34	93.2	9	48.2
83	181.4	58	136.4	33	91.4	8	46.4
82	179.6	57	134.6	32	89.6	7	44.6
81	177.8	56	132.8	31	87.8	6	42.8
80	176.0	55	131.0	30	86.0	5	41.0
79	174.2	54	129.2	29	84.2	4	39.2
78	172.4	53	127.4	28	82.4	3	37.4
77	170.6	52	125.6	27	80.6	2	35.6
76	168.8	51	123.8	26	78.8	1	33.8
						0	32.0

Temperature Conversion formulas °C = 5/9(°F-32) °F = 9/5(°C+32)

Hose Friction Loss

Water* Flow Gal/Min	Pressure Drop in PSI per 100 feet of Hose With Typical Water Flow Rates						
	Hose Inside Diameters, Inches						
	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
0.5	16	5	2				
1.0	54	20	7	2			
2.0	180	60	25	6	2		
3.0	380	120	50	13	4	2	
4.0		220	90	24	7	3	
5.0		320	130	34	10	4	
6.0			220	52	16	7	1
8.0			300	80	25	10	2
10.0				120	38	14	3
15.0				250	80	30	7
20.0					121	50	12
25.0					200	76	19
40.0					410	162	42
60.0						370	93

*At a fixed flow rate with a given size hose, the pressure drop across a given hose length will be directly proportional. A 50 foot hose will exhibit one-half the pressure drop of a 100 foot hose. Above values shown are valid at all pressure levels.

Suction, Head, Vapor Pressure						
Temp °F	Vapor	Suction lift or head @ altitude ft				
	Pressure	0	2000	4000	8000	12000
60	0.6 ft water	20	17.5	15.5	11.5	7.5
70	0.8 ft water	19.5	17	15	11	7
80	1.2 ft water	19.5	17	15	11	7
90	1.6 ft water	19	16.5	14.5	10.5	6.5
100	2.2 ft water	18.5	16	14	10	6
110	2.9 ft water	17.5	15	13	9	5
120	3.9 ft water	16.5	14	12	8	4
130	5.1 ft water	15.5	13	11	7	3
140	6.7 ft water	14	11.5	9.5	5.5	1.5
150	8.6 ft water	12	9.5	7.5	3.5	-0.5
160	10.9 ft water	9.5	7	5	1	...
170	13.8 ft water	6.5	4	2	-2	...
180	17.3 ft water	3	0.5	-1.5	...	...
190	21.6 ft water	-1	-3.5	-5.5	...	...
200	26.6 ft water	-6	-8.5	...	...	...
210	32.6 ft water	-12	...	...	...	...
212	34.0 ft water	-13.5	...	...	...	...

$$\text{GPM} = \frac{\text{HP} \times 1460}{\text{PSI}}$$

$$\frac{\text{Rated GPM}}{\text{Rated RPM}} = \frac{\text{Desired GPM}}{\text{Desired RPM}}$$

$$\text{PSI} = \frac{\text{HP} \times 1460}{\text{GPM}}$$

$$\frac{\text{Motor Pulley OD}}{\text{Pump RPM}} = \frac{\text{Pump Pulley OD}}{\text{Motor RPM}}$$

$$\text{Torque} = \frac{\text{HP} \times 5252}{\text{RPM}}$$

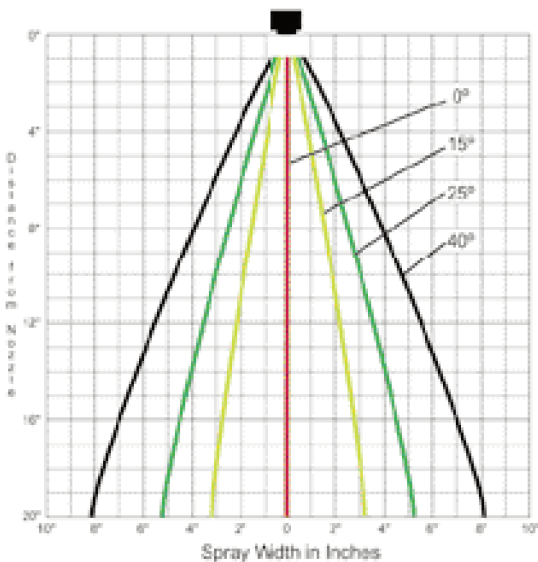
$$\text{Drive Ratio} = \frac{D}{d}$$

Friction Loss in Pipe Fittings in Equivalent Feet of Pipe							
Fitting	Fitting Size						
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"
90° Std Elbow	1.6	2.1	2.6	3.5	4	5.5	6.2
90° Long Elbow	1	1.4	1.7	2.3	2.7	4.3	5.1
90° Street Elbow	3	3.4	4.4	5.8	6.7	8.6	10.3
45° Std Elbow	0.8	1.1	1.4	1.8	2.1	2.8	3.3
45° Street Elbow	1	1.8	2.3	3	3.5	4.5	5.4
Square Elbow	3	3.9	5	6.5	7.6	9.8	11.7
Std Tee Straight Run	1	1.4	1.7	2.3	2.7	4.3	5.1
Std Tee Branch Run	4	5.1	6	6.9	8.1	12	14.3
Gate Valve - Full Open	0.7	0.9	1.1	1.5	1.7	2.2	2.7

Nozzle Chart

Nozzle Size	Orifice Dia.	40 PSI	100 PSI	250 PSI	500 PSI	600 PSI	700 PSI	800 PSI	1000 PSI	1200 PSI	1500 PSI	2000 PSI	2500 PSI	3000 PSI	3500 PSI	4000 PSI	5000 PSI
2	.034	0.20	0.32	0.50	0.71	0.77	0.84	0.89	1.00	1.10	1.22	1.41	1.58	1.73	1.87	2.00	2.24
2.5	.039	0.25	0.40	0.63	0.88	0.97	1.05	1.12	1.25	1.37	1.53	1.77	1.98	2.17	2.34	2.50	2.80
3	.043	0.30	0.47	0.75	1.06	1.16	1.25	1.34	1.50	1.64	1.84	2.12	2.37	2.60	2.81	3.00	3.35
3.25	.045	0.33	0.51	0.81	1.15	1.26	1.36	1.45	1.63	1.78	1.99	2.30	2.57	2.81	3.04	3.25	3.63
3.5	.048	0.35	0.55	0.88	1.24	1.26	1.46	1.57	1.75	1.92	2.14	2.47	2.77	3.03	3.27	3.50	3.91
3.75	.050	0.38	0.59	0.94	1.33	1.45	1.57	1.68	1.88	2.05	2.30	2.65	2.96	3.25	3.51	3.75	4.17
4	.052	0.40	0.63	1.00	1.41	1.45	1.67	1.79	2.00	2.19	2.45	2.83	3.16	3.46	3.74	4.00	4.47
4.5	.055	0.45	0.71	1.13	1.59	1.74	1.88	2.01	2.25	2.46	2.76	3.18	3.56	3.90	4.21	4.50	5.03
5	.057	0.50	0.79	1.25	1.77	1.94	2.09	2.24	2.50	2.74	3.06	3.54	3.95	4.33	4.68	5.00	5.59
5.5	.060	0.55	0.87	1.38	1.94	2.13	2.30	2.46	2.75	3.01	3.37	3.89	4.35	4.76	5.14	5.50	6.15
6	.062	0.60	0.95	1.50	2.12	2.32	2.51	2.68	3.00	3.29	3.67	4.24	4.74	5.20	5.61	6.00	6.71
6.5	.064	0.65	1.03	1.63	2.30	2.52	2.72	2.91	3.25	3.56	3.98	4.60	5.14	5.63	6.08	6.50	7.27
7	.067	0.70	1.11	1.75	2.47	2.71	2.93	3.13	3.50	3.83	4.29	4.95	5.53	6.06	6.55	7.00	7.83
7.5	.070	0.75	1.19	1.88	2.65	2.90	3.14	3.35	3.75	4.11	4.59	5.30	5.93	6.50	7.02	7.50	8.39
8	.072	0.80	1.26	2.00	2.83	3.10	3.35	3.58	4.00	4.38	4.90	5.66	6.32	6.93	7.48	8.00	8.94
8.5	.074	0.85	1.34	2.13	3.01	3.29	3.56	3.80	4.25	4.66	5.21	6.01	6.72	7.36	7.95	8.50	9.50
9	.076	0.90	1.42	2.25	3.18	3.49	3.76	4.02	4.50	4.93	5.51	6.36	7.12	7.79	8.42	9.00	10.06
9.5	.078	0.95	1.50	2.38	3.36	3.68	3.97	4.25	4.75	5.20	5.82	6.72	7.51	8.23	8.89	9.50	10.62
10	.080	1.00	1.58	2.50	3.54	3.87	4.18	4.47	5.00	5.48	6.12	7.07	7.91	8.66	9.35	10.00	11.18
11	.083	1.10	1.74	2.75	3.89	4.26	4.60	4.92	5.50	6.02	6.74	7.78	8.70	9.53	10.29	11.00	12.30
12	.087	1.20	1.90	3.00	4.24	4.65	5.02	5.37	6.00	6.57	7.35	8.49	9.49	10.39	11.22	12.00	13.42
12.5	.089	1.25	1.98	3.13	4.42	4.84	5.23	5.59	6.25	6.85	7.65	8.84	9.88	10.83	11.69	12.50	13.98
13	.091	1.30	2.06	3.25	4.60	5.03	5.44	5.81	6.50	7.12	7.96	9.19	10.28	11.26	12.16	13.00	14.53
14	.093	1.40	2.21	3.50	4.95	5.42	5.86	6.26	7.00	7.67	8.57	9.90	11.07	12.12	13.10	14.00	15.65
15	.096	1.50	2.37	3.75	5.30	5.81	6.27	6.71	7.50	8.22	9.19	10.61	11.86	12.99	14.03	15.00	16.77
20	.109	2.00	3.16	5.00	7.07	7.75	8.37	8.94	10.00	10.95	12.25	14.14	15.81	17.32	18.71	20.00	22.36
25	.125	2.50	3.95	6.25	8.84	9.68	10.46	11.18	12.50	13.69	15.31	17.68	19.76	21.65	23.39	25.00	27.95
30	.141	3.00	4.74	7.50	10.61	11.62	12.55	13.42	15.00	16.43	18.37	21.12	23.72	25.98	28.06	30.00	33.54
40	.156	4.00	6.32	10.00	14.14	15.49	16.73	17.89	20.00	21.91	24.49	28.28	31.62	34.64	37.42	40.00	44.72
50	.172	5.00	7.91	12.50	17.68	19.36	20.92	22.36	25.00	27.39	30.62	35.36	39.53	43.30	46.77	50.00	55.90
60	.188	6.00	9.49	15.00	21.21	23.24	25.10	26.83	30.00	32.86	36.74	42.43	47.43	51.96	56.12	60.00	67.08

GP Nozzle Spray Coverage



Nozzles

Nozzle # =	GPM	∞	$\sqrt{\frac{4000}{\text{PSI}}}$
GPM =	Nozzle #	∞	$\sqrt{\frac{\text{PSI}}{4000}}$
PSI =	$\left(\frac{\text{GPM}}{\text{Nozzle}}\right)^2$	∞	4000

Horsepower

$\frac{\text{GPM} \times \text{PSI}}{1460}$	=	Electric Brake HP
$\frac{\text{GPM} \times \text{PSI}}{1714}$	=	Hydraulic HP
$\frac{\text{GPM} \times \text{PSI}}{1460} \times 1.5$	=	Gasoline HP (Industrial Engine)

Trust General Pump

Don't risk failure by trusting the imposters.



Trusting "will-fit" parts and kits can result in failure in critical situations. Why take that risk? Always look for GENUINE General Pump parts, kits and nozzles.

