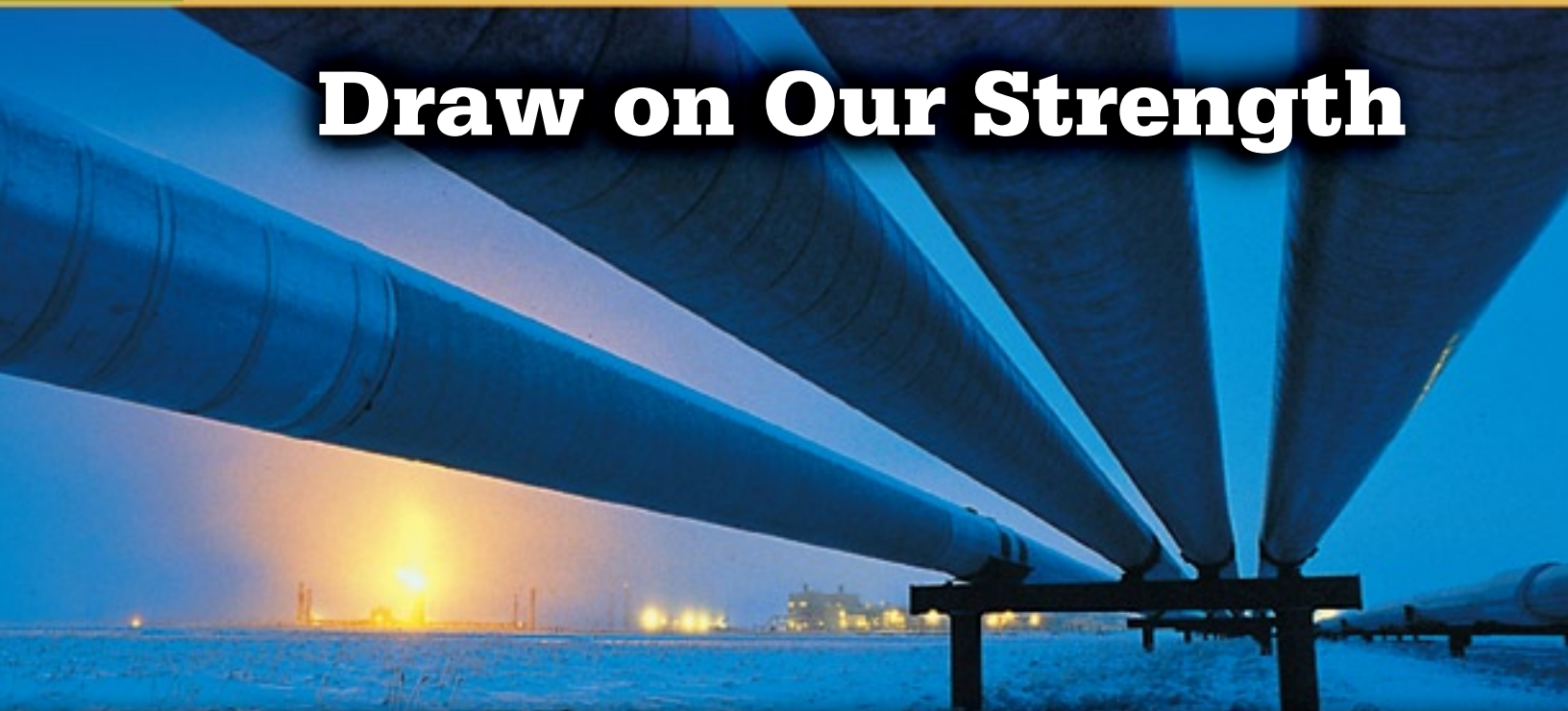


Draw on Our Strength



INDUSTRIAL



OIL & GAS



SPECIAL PURPOSE

Complete Reciprocating Pumps Line



- Quality
- Service
- Innovation



History of Myers

Founded in 1870 by brothers Frances and Philip Myers in Ashland, Ohio. The brothers began by building farm implements, then engineered and manufactured the first double-acting hand pump. From this modest beginning, the Myers pump line grew and evolved over the decades to include wastewater removal and industrial pumps and systems. In 1960, the Myers family sold the business to the McNeil Corporation of Akron, Ohio. In 1986 Pentair, Inc. of St. Paul, Minnesota, acquired Myers, which now is part of the Pentair Pump Group. The Ashland operation includes over 410,000 square feet of warehouse, manufacturing, distribution, foundry and office facilities and employs approximately 600 people dedicated to supplying quality products.

Myers combines manufacturing expertise and understanding of applications to provide a pump with strength and versatility for any demanding high-pressure job. Myers industrial high pressure pumps are designed, developed, manufactured, assembled and tested in Ashland, Ohio, U.S.A.

Myers-Aplex Overview

In 1996, Aplex products were added to the Myers industrial line. The Aplex product line dates back to the 1960's oilfield pump industry. The Myers-Aplex pump line has since grown to be one of the most highly recognized and accepted pumps offered in a variety of industries. Our pumps are utilized in, but not limited to, the oil & gas, directional drilling, sewer cleaning, water treatment, steel mills, and other industrial markets requiring a pumps that stand up to demanding and hostile applications.

The Myers-Aplex pump has a myriad of features that sets it apart from its competitors. These are mostly centered around ease of maintenance and "user friendly" designs. A wide range of optional configurations are used on each application to tailor fit each customers needs to furnish a pump for long-term dependable performance for years to come. Each pump is also available with a variety of options including integral hydraulic drives, base mountings and a wide selection of auxiliary equipment to address each unique installation.

Myers-Aplex builds the most reliable medium and heavy-duty reciprocating pumps in the world. We produce products that outwear the others in both domestic and international markets. In addition, we deliver service and technical support that outshine the competition worldwide.



Myers Pumps

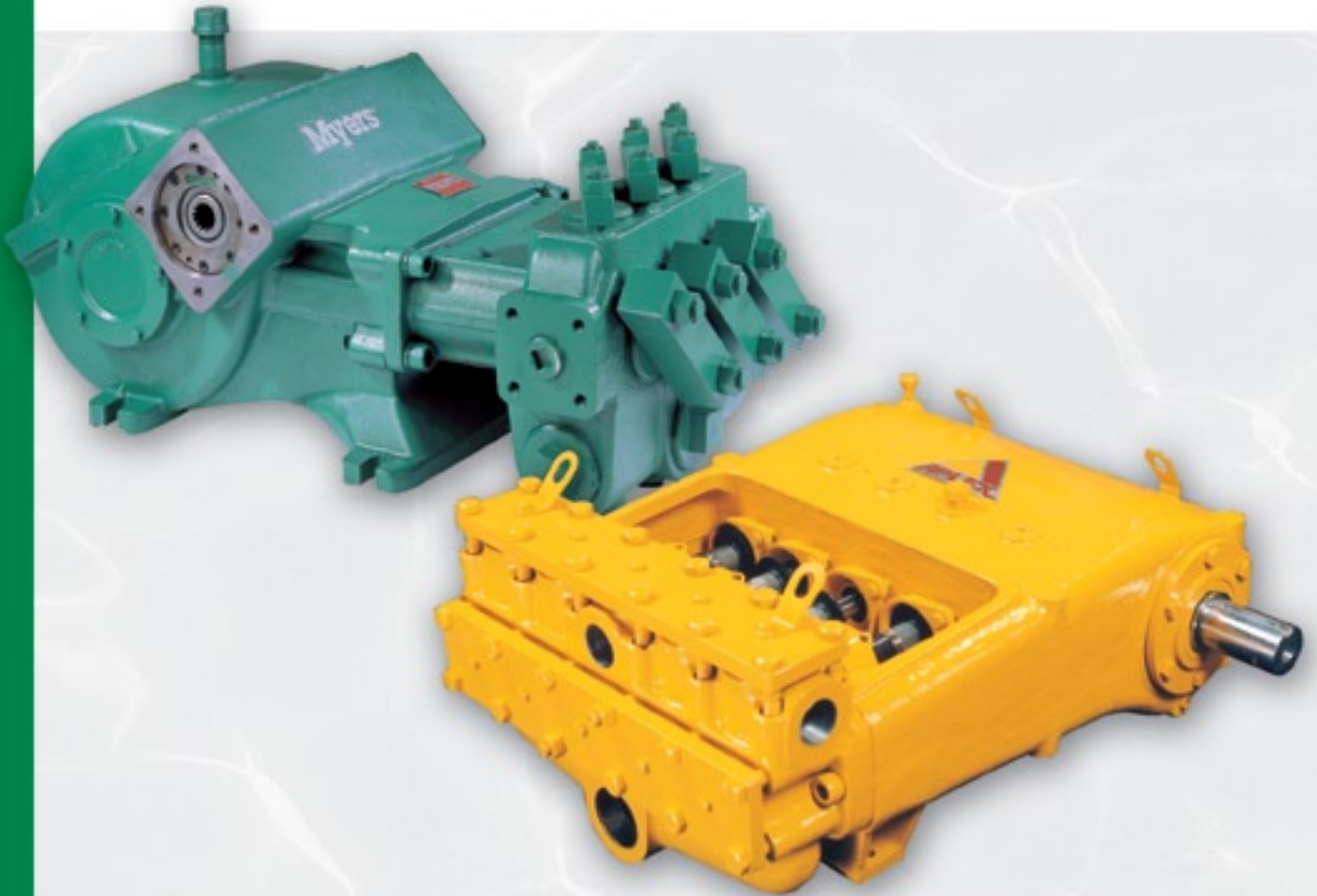
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Myers-Aplex Industries, Inc. reserves the right to change designs and specifications without incurring any liability for equipment previously or subsequently sold.

Draw on our Strength



Myers-Aplex complete reciprocating line.

Manufacturing pumps since 1870, Myers is recognized worldwide for quality, service and innovation. The Industrial Pump Division realizes that success in today's global environment depends on much more than brick and mortar. Myers' focus is on the customer and their needs. The addition of the Aplex line has broadened our range of pumps offerings, allowing us to offer a more complete line of medium and heavy-duty reciprocating pumps to fit almost any application. Myers-Aplex is positioned to strongly encourage the customer to challenge us with special-purpose, industrial or commercial pump application. The combination of extraordinary customer service, superior manufacturing capabilities and new products for niche markets make a powerful culture for growth. Our philosophy, from top to bottom, is one of flexibility, creativity and responsiveness to customer needs. Replacement and service parts are thus readily available worldwide.

Myers-Aplex Pump Features:

- Reliable, trouble-free performance
- Built for field serviceability
- A broad product line ranging from 5 to 400 horsepower
- Pressures up to 5,500 P.S.I. and flows to 600 G.P.M.
- Temperature ratings up to 450°F
- Able to pump a wide range of corrosive fluids from acids to caustics



Range of Offerings

Maximum Run Time	Myers	Aplex		
		SC	MA	RO
24 hrs per day	-	-	X	X
Up to 8 hrs per day*	X	X	-	-

*At full speed and pressure ratings

Temperature Range	Myers	Aplex		
		SC	MA	RO
50 - 160	X	X	X	X
30 - 220	-	X	X	X
30 - 450	-	-	X	-

PH - Range	Myers	Aplex		
		SC	MA	RO
6 - 9	X	X	X	X
1 - 14	-	X	X	X

Pressures	Myers	Aplex		
		SC	MA	RO
500	X	X	X	X
1000	X	X	X	X
2000	X	X	X	X
2500	X	X	X	X
3000	X	X	X	X
5000	X	X	X	-
5500	X	X	-	-

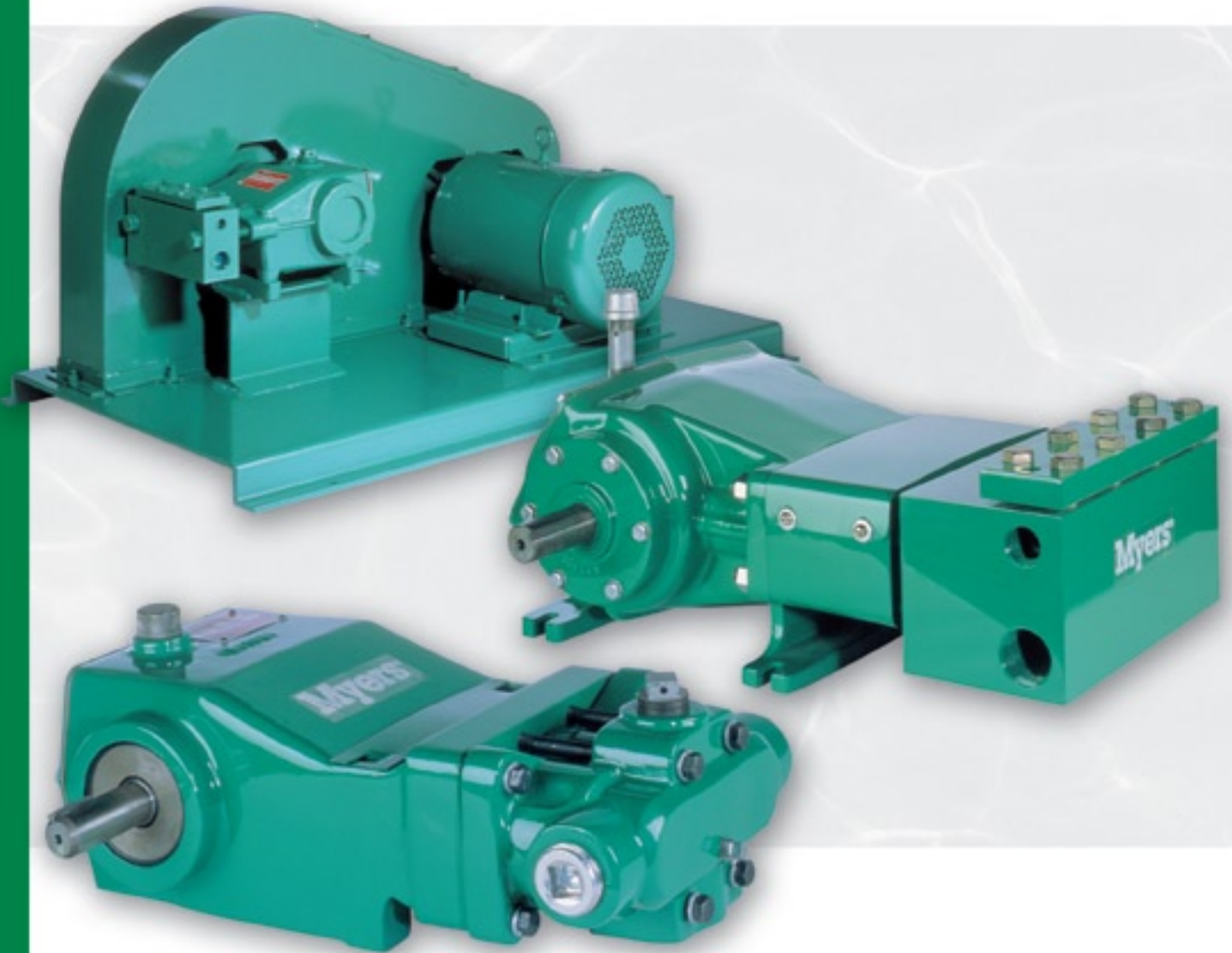
Flows	Myers	Aplex		
		SC	MA	RO
5	X	X	X	X
10	X	X	X	X
50	X	X	X	X
100	X	X	X	X
150	-	X	X	X
300	-	X	X	X
600	-	X	X	X

Drives	Myers	Aplex		
		SC	MA	RO
Hydraulic Driven	X	X	-	-
Motor Driven	X	X	X	X
Engine Driven	X	X	X	X

Range of Applications

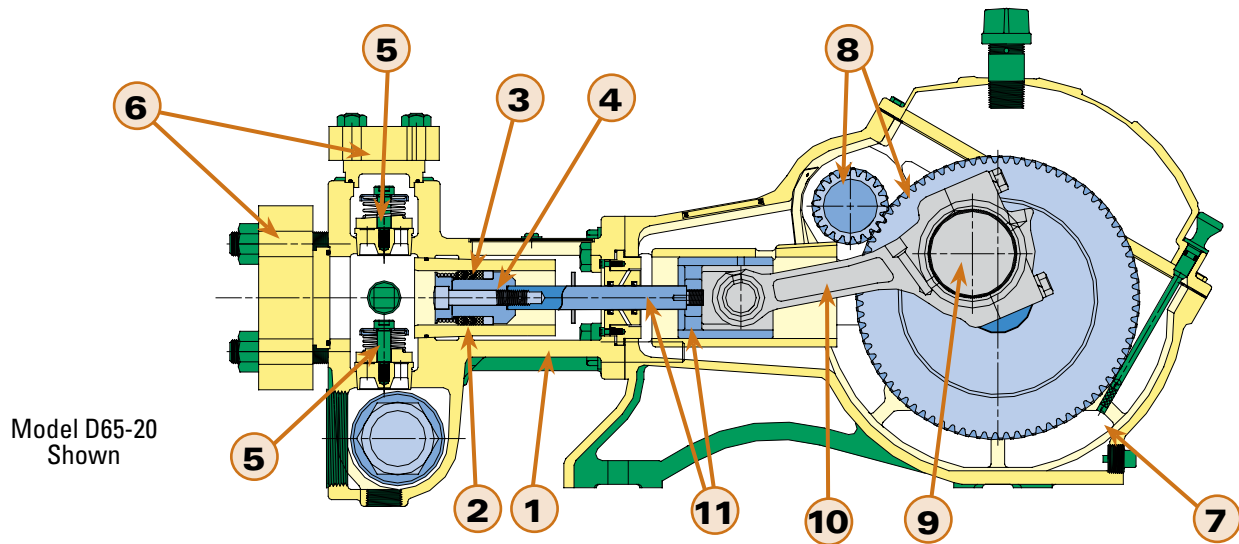
- Gas sweetening and drying
- Crude oil gathering, pipelining and transfer
- Power oil/power water hydraulic services
- Water blasting and cutting
- Steel mill de-scaling
- Mine de-watering
- Toxic & hazardous waste disposal
- Sewer cleaning
- Hydrostatic testing
- Reverse osmosis (desalination)
- NGL transfer
- Bentonite slurry pumping
- Water well fracturing
- Food processing
- Chemical processing
- Car and truck wash
- And much more

Myers Product Features



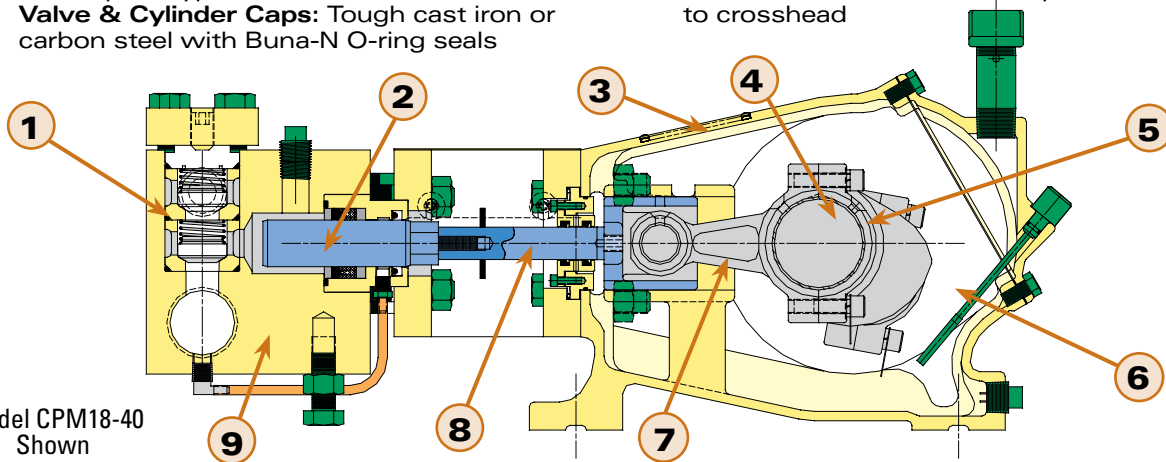
- Pre-engineered products
- Flows to 110 G.P.M.
- Pressures up to 5,500 P.S.I.
- Easy access for field servicing
- Continuous splash lubrication
- "D", "DP", and "E" series have built-in internal gear reductions
- Available with horizontal base-mounted motors
- Hydraulic drive adaptation available
- Ceramic coated plungers/cylinders for durability

Myers Field-Proven Economic and Reliability Features



Model D65-20
Shown

1. **Cylinder Body:** High strength ductile iron or aluminum bronze
2. **Cylinders:** Tapered steel shells with super-smooth, hard Tech-23 coating
3. **Packing:** Buna-N and cotton duck multi-lip V-ring packing supported by a phenolic or bronze follower
4. **Piston Assembly:** Stud, pressure ring, spring, retainer and cap screw are all solid stainless steel
5. **Valve:** Spring-loaded flat valves have stainless steel seats, springs and valves with long-wearing bronze spring retainer and valve cage. Optional stainless steel center post-type features Delrin valves
6. **Valve & Cylinder Caps:** Tough cast iron or carbon steel with Buna-N O-ring seals
7. **Gearcase:** Rugged cast iron protects the gears and serves as oil reservoir for continuous splash lubrication when running pump in either direction of rotation
8. **Pinion & Main Gear:** Helical cut and machined from high-strength alloy steel, and can rotate in either direction
9. **Crankshaft:** Automotive type, forged from alloy steel supported by tapered roller bearings
10. **Connecting Links:** Cast iron or ductile iron with replaceable bronze wrist-pin bearings and steel-backed automotive type inserts
11. **Crossheads/Piston "Pony" Rods:** Heavy-duty rods are smoothly-ground and highly-polished stainless steel, threaded and pinned axially to crosshead



Model CPM18-40
Shown

1. **Valve Assembly:** Stainless steel seats. Plastic acetal copolymer valves
2. **Plunger Assembly:** Stainless steel coated with Tech-23 or Rokide
3. **Gearcase:** Rugged cast iron protects the gears and serves as oil reservoir
4. **Crankshaft:** Rotates in either direction. Automotive-type heat-treated alloy steel
5. **Main Bearings:** Tapered roller bearings
6. **Power-End Lubrication System:** Continuous splash in either rotation direction
7. **Connecting Links:** Cast iron with replaceable bronze wrist-pin bearings and steel-backed automotive type inserts
8. **Crossheads:** Heavy-duty ductile iron, "pony" rods are axially threaded and pinned polished stainless steel
9. **Fluid-End Body:** Made of high strength steel, also available in stainless steel

Myers-Aplex Industries, Inc. reserves the right to change designs and specifications without incurring any liability for equipment previously or subsequently sold.

BXM6-15



Extra-large oil reservoir provides superior lubrication, while insuring more effective cooling and less maintenance. The crankshaft is field-reversible for application flexibility. Easy access to suction and discharge valves means no need to remove pump from system for repair. Factory tested for continuous service with only simple, routine maintenance.

BX Pump Features

- Flows to 8 GPM
- Pressure ratings up to 1,500 PSI
- Easy access to valves for servicing
- Whisper quiet operation
- Extra-large oil sump for superior lubrication
- Clear rear cover for easy oil level inspection

BXM6-15	Piston Size	Max.	*Gallon	400 RPM	500 RPM	600 RPM	700 RPM	800 RPM	Flows: 3-7 GPM PSI: 200-1500 Stroke Length: 1.0625"	Max. HP 6
	In.	PSI	Per/Rev	US GPM	US GPM	US GPM	US GPM	US GPM		
	1.000	1500	.0108	4.3	5.4	6.4	*NR	*NR		
	1.000	1000	.0108	4.3	5.4	6.4	7.5	8.6		
HP Required @ RPM**			3.3	4.4	5.6	5.1	6.0			

Metallurgy is available in Carbon Steel or Aluminum Bronze
 * Displacement based on 100% volumetric efficiency
 ** Power based on 85% Mechanical Efficiency

Pump Weight 60 lbs.

CX Series



Rugged design for continuous operation. Three suction ports for installation versatility. Smooth solid ceramic cylinder liners allow continuous operation at maximum pressure and flow. Large concentric suction and discharge valves allow complete filling of cylinders. Solid cast iron power end with constant lubrication of all working parts. Fluid end available in high-strength cast iron, aluminum-bronze, or 316 stainless steel.

CX Pump Features

- Flows to 20 GPM
- Pressure ratings to 1,500 PSI
- Constant lubrication of all power end parts
- Spring loaded chevron style packing

Model	Piston Size In.	Max. PSI	*Gallon Per/Rev	300 RPM US GPM	400 RPM US GPM	450 RPM US GPM	500 RPM US GPM	560 RPM US GPM	Flows: 5-11 GPM PSI: 400-1500 Stroke Length: 1.25"	Max. HP
	CX10-15	1.250	1500	.0199	5.9	7.9	8.9	9.9		
HP Required @ RPM**				6.0	8.1	9.1	10.1	11.0		
Model	Piston Size In.	Max. PSI	*Gallon Per/Rev	300 RPM US GPM	400 RPM US GPM	450 RPM US GPM	500 RPM US GPM	560 RPM US GPM	Flows: 11-21 GPM PSI: 300-1000 Stroke Length: 1.25"	Max. HP
	CX20-10	1.750	1000	.0390	11.7	15.6	17.5	19.5		
HP Required @ RPM**				8.0	10.7	12.0	13.3	14.0		

Metallurgy is available in Ductile Iron, Aluminum Bronze, or 316 Stainless Steel
 * Displacement based on 100% Volumetric Efficiency
 ** Power based on 85% Mechanical Efficiency

Pump Weight 104 lbs.

CXP Series

These pumps offer seven interchangeable plunger and seal packages, allowing complete hydraulic coverage. Optimum flow and pressure is easily converted, even in the field by changing the plunger and seal kit. Cylinder body of high-strength ductile iron.

CXP Series Pump Features

- Flows to 30 GPM
- Pressure ratings to 3,500 PSI
- Continuous splash lubrication provided either direction of rotation
- Offerings of seven interchangeable plunger and seal packages
- Easily serviced in field without removal of pump



Model	Plunger Size In.	Max. PSI	*Gallon Per/Rev	300 RPM US GPM	400 RPM US GPM	450 RPM US GPM	500 RPM US GPM	560 RPM US GPM	Flows: [range] GPM PSI: [range] Stroke Length: 1.25"	Max. HP
CXP5-35	.875	3500	.0097	2.9	3.9	4.4	4.9	5.5	Flows: 3-5 GPM PSI: 2500-3500 Stroke Length: 1.25"	Max. HP 13
	HP Required @ RPM**			7.0	9.4	10.6	11.8	13.0		
	HP Required @ RPM**			7.0	9.4	10.6	11.8	13.0		
CXP7-30	1.000	3000	.0127	3.8	5.1	5.7	6.4	7.1	Flows: 3-7 GPM PSI: 2000-3000 Stroke Length: 1.25"	Max. HP 15
	HP Required @ RPM**			7.8	10.5	11.7	13.2	15.0		
	HP Required @ RPM**			7.8	10.5	11.7	13.2	15.0		
CXP14-24	1.125	2450	.0161	10.5	12.1	12.9	13.7	14.5	Flows: 10-14 GPM PSI: 1400-2450 Stroke Length: 1.25"	Max. HP 25
	HP Required @ RPM**			17.7	20.3	21.7	23.0	25.0		
	HP Required @ RPM**			17.7	20.3	21.7	23.0	25.0		
CXP18-20	1.250	2000	.0199	12.9	14.9	15.9	16.9	17.9	Flows: 12-17 GPM PSI: 1000-2000 Stroke Length: 1.25"	Max. HP 25
	HP Required @ RPM**			17.7	20.5	21.8	23.2	25.0		
	HP Required @ RPM**			17.7	20.5	21.8	23.2	25.0		
CXP22-16	1.375	1650	.0241	15.7	18.1	19.3	20.5	21.7	Flows: 15-21 GPM PSI: 600-1650 Stroke Length: 1.25"	Max. HP 25
	HP Required @ RPM**			17.8	20.5	21.9	23.2	25.0		
	HP Required @ RPM**			17.8	20.5	21.9	23.2	25.0		
CXP26-14	1.500	1400	.0286	18.6	21.5	23.0	24.4	25.8	Flows: 18-25 GPM PSI: 400-1400 Stroke Length: 1.25"	Max. HP 25
	HP Required @ RPM**			17.9	20.7	22.1	23.4	25.0		
	HP Required @ RPM**			17.9	20.7	22.1	23.4	25.0		
CXP30-12	1.625	1200	.0336	21.9	25.3	26.9	28.6	30.3	Flows: 21-30 GPM PSI: 200-1200 Stroke Length: 1.25"	Max. HP 25
	HP Required @ RPM**			18.0	20.8	36.9	23.6	25.0		
	HP Required @ RPM**			18.0	20.8	36.9	23.6	25.0		

Metallurgy is available in Ductile Iron

Pump Weight 104 lbs.

* Displacement based on 100% Volumetric Efficiency
 ** Power based on 85% Mechanical Efficiency

CPM Series



Superior equipment technology allows the versatility to machine the pump end from a selection of standard or optional materials. Removable cover section for easy service and is available with hydraulic drive adaption.

CPM Pump Features

- Flows to 18 GPM
- Pressure ratings up to 4,000 PSI
- Crankshaft rotates in either direction
- Continuous splash lubrication provided
- Cast Iron crankcase serves as oil reservoir

CPM18-40	Plunger Size	Max.	*Gallon	200 RPM	363 RPM	483 RPM	604 RPM	725 RPM	Flows: 5-20 GPM PSI: 1200-4000 Stroke Length: 1.75"	Max. HP 55
	In.	PSI	Per/Rev	US GPM	US GPM	US GPM	US GPM	US GPM		
	1.250	4000	.0278	5.5	10.0	13.4	16.7	20.1		
HP Required @ RPM**			15.0	27.4	36.7	45.8	55.0			

Metallurgy available in Carbon Steel or Stainless Steel

Pump Weight 300 lbs.

CPM24-30	Plunger Size	Max.	*Gallon	300 RPM	400 RPM	450 RPM	500 RPM	560 RPM	Flows: 2-22 GPM PSI: 1000-3000 Stroke Length: 1.75"	Max. HP 46
	In.	PSI	Per/Rev	US GPM	US GPM	US GPM	US GPM	US GPM		
	1.500	3000	.0401	12.0	16.0	18.0	20.0	22.4		
HP Required @ RPM**			24.7	33.0	37.0	41.1	46.0			

Metallurgy is available in Carbon Steel or Stainless Steel

Pump Weight 300 lbs.

* Displacement based on 100% Volumetric Efficiency
** Power based on 85% Mechanical Efficiency

C Series



Heavy-duty piston pump with high-strength fluid end and spring-loaded flat valves for economical high-pressure pumping of large volumes of fluid. Crankshaft can be rotated in either direction making installation easier.

C Series Pump Features

- Flows to 40 GPM
- Pressure ratings to 2,500 PSI
- High-strength fluid end with spring-loaded flat valves for consistent high pressure pumping
- Easily serviced in field without removal of pump

Model	Piston Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	325 RPM US GPM	425 RPM US GPM	525 RPM US GPM	625 RPM US GPM	Flows: 8-25 GPM PSI: 700-2500 Stroke Length: 1.75"	Max. HP 42
	HP Required @ RPM**			13.8	22.3	29.1	36.0	42.0		
C25-25	Piston Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	375 RPM US GPM	475 RPM US GPM	575 RPM US GPM	675 RPM US GPM	Flows: 10-36 GPM PSI: 600-2000 Stroke Length: 1.75"	Max. HP 50
	1.500	2500	.0401	8.0	13.0	17.0	21.0	25.0		
	HP Required @ RPM**			14.9	28.0	35.5	42.9	50.0		
C35-20	Piston Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	375 RPM US GPM	475 RPM US GPM	575 RPM US GPM	Flows: 14-41 GPM PSI: 600-2000 Stroke Length: 1.75"	Max. HP 56
	1.750	2000	.0546	10.9	20.4	25.9	31.3	36.8		
	HP Required @ RPM**			19.4	29.3	36.6	46.5	56.0		
C40-20	Piston Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	375 RPM US GPM	475 RPM US GPM	575 RPM US GPM	Flows: 14-41 GPM PSI: 600-2000 Stroke Length: 1.75"	Max. HP 56
	2.000	2000	.0714	14.2	21.4	26.7	33.9	41.0		
	HP Required @ RPM**			19.4	29.3	36.6	46.5	56.0		

Metallurgy available in Ductile Iron only

Pump Weight 300 lbs.

* Displacement based on 100% volumetric efficiency

** Power based on 85% Mechanical Efficiency

D Series

Slow operating speed reduces wear and prolongs pump life. The fluid end is available in ductile iron or aluminum bronze with flat valves, making routine maintenance easy without removing the pump from the system. All the valve and piston assemblies are serviceable through convenient front and top openings.



D Series Pump Features

- Flows to 65 GPM
- Pressure ratings up to 2,000 PSI
- Internal gear reductions
- Continuous splash lubrication provided either direction of rotation

Model	Piston Size In.	Max. PSI	*Gallon Per/Rev	600 RPM US GPM	650 RPM US GPM	700 RPM US GPM	750 RPM US GPM	800 RPM US GPM	Flows: 26-34 GPM PSI: 600-1200 Stroke Length: 2.875"	Max. HP 30
	D35-8PP	2.250	1200	.0437	26.2	28.4	30.5	32.7		
HP Required @ RPM**				21.5	23.3	25.1	26.9	30.0		
Model	Piston Size In.	Max. PSI	*Gallon Per/Rev	725 RPM US GPM	825 RPM US GPM	925 RPM US GPM	1025 RPM US GPM	1075 RPM US GPM	Flows: 25-37 GPM PSI: 600-1200 Stroke Length: 2.875"	Max. HP 30
	D35-12	2.000	1200	.0346	25.0	28.5	32.0	35.4		
HP Required @ RPM**				20.5	23.4	26.3	29.1	30.0		

* D35 Series have internal gear reduction of 3.39:1

Model	Piston Size In.	Max. PSI	*Gallon Per/Rev	725 RPM US GPM	825 RPM US GPM	925 RPM US GPM	1025 RPM US GPM	1075 RPM US GPM	Flows: 35-52 GPM PSI: 400-1200 Stroke Length: 3.75"	Max. HP 45
	D50-12	2.250	1200	.0490	35.5	40.4	45.3	50.2		
HP Required @ RPM**				29.2	33.2	37.3	41.3	45.0		
Model	Piston Size In.	Max. PSI	*Gallon Per/Rev	725 RPM US GPM	825 RPM US GPM	925 RPM US GPM	1025 RPM US GPM	1075 RPM US GPM	Flows: 43-65 GPM PSI: 400-1000 Stroke Length: 3.75"	Max. HP 45
	D60-10	2.500	1000	.0605	43.8	49.9	55.9	62.0		
HP Required @ RPM**				30.0	34.2	38.3	42.5	45.0		
Model	Piston Size In.	Max. PSI	*Gallon Per/Rev	1112 RPM US GPM	1247 RPM US GPM	1446 RPM US GPM	1490 RPM US GPM	1570 RPM US GPM	Flows: 48-68 GPM PSI: 1000-1600 Stroke Length: 3.75"	Max. HP 75
	D65-16	2.125	1600	.0437	48.5	54.4	63.1	65.1		
HP Required @ RPM**				53.2	59.9	69.2	71.4	75.0		
Model	Piston Size In.	Max. PSI	*Gallon Per/Rev	1000 RPM US GPM	1200 RPM US GPM	1400 RPM US GPM	1600 RPM US GPM	1800 RPM US GPM	Flows: 38-69 GPM PSI: 1000-2000 Stroke Length: 3.75"	Max. HP 95
	D65-20	2.000	2000	.0387	38.7	46.4	54.1	61.9		
HP Required @ RPM**				53.1	63.6	74.2	84.9	95.0		

Metallurgy is available in Ductile Iron or Aluminum Bronze

Pump Weight 525 lbs.

"D" Series have an internal gear reduction of 3.95:1 - except as noted

* Displacement based on 100% Volumetric Efficiency

** Power based on 85% Mechanical Efficiency

DP Series

Myers largest high volume/pressure series offers interchangeable plungers, seals, and fluid ends to provide various flow/pressure ratings. Also available in hydraulic drive configuration.



DP Series Pump Features

- Flows to 120 GPM
- Pressure ratings up to 5,500
- Internal gear reductions of 3.95:1
- Super hard, non-scoring plungers
- Suction and discharge located for easy service
- Offerings of seven interchangeable plunger and seal packages

Model	Plunger Size	Max.	*Gallon	1000 RPM	1200 RPM	1400 RPM	1750 RPM	1800 RPM	Flows: 15-27 GPM PSI: 4500-5500 Stroke Length: 3.75"	Max. HP 102
	In.	PSI	Per/Rev	US GPM	US GPM	US GPM	US GPM	US GPM		
DP28-55	1.250	5500	.0151	15.1	18.1	21.1	26.4	27.2		
	HP Required @ RPM**			57.0	68.3	76.6	99.6	102.0		
	HP Required @ RPM**			57.0	68.3	76.6	99.6	102.0		
DP40-38	1.500	3800	.0217	21.7	26.1	30.5	38.1	39.2	Flows: 21-39 GPM PSI: 2800-3800 Stroke Length: 3.75"	Max. HP 102
	HP Required @ RPM**			56.5	68.0	79.5	45.7	102.0		
	HP Required @ RPM**			56.5	68.0	79.5	45.7	102.0		
DP55-28	1.750	2800	.0296	29.6	35.5	41.4	51.8	53.3	Flows: 29-53 GPM PSI: 1800-2800 Stroke Length: 3.75"	Max. HP 102
	HP Required @ RPM**			56.8	67.8	79.5	99.5	102.0		
	HP Required @ RPM**			56.8	67.8	79.5	99.5	102.0		
DP70-22	2.000	2150	.0387	38.7	46.4	54.2	67.7	69.7	Flows: 38-69 GPM PSI: 1150-2150 Stroke Length: 3.75"	Max. HP 102
	HP Required @ RPM**			57.1	68.4	79.9	99.9	102.0		
	HP Required @ RPM**			57.1	68.4	79.9	99.9	102.0		
DP80-20	2.125	1900	.0437	43.7	52.4	61.2	76.5	78.7	Flows: 43-78 GPM PSI: 900-1900 Stroke Length: 3.75"	Max. HP 102
	HP Required @ RPM**			56.9	68.3	79.8	99.7	102.0		
	HP Required @ RPM**			56.9	68.3	79.8	99.7	102.0		
DP90-18	2.250	1700	.0490	49.0	58.8	68.6	85.7	88.2	Flows: 49-88 GPM PSI: 700-1700 Stroke Length: 3.75"	Max. HP 102
	HP Required @ RPM**			57.1	68.6	80.0	99.9	102.0		
	HP Required @ RPM**			57.1	68.6	80.0	99.9	102.0		
DP120-12	2.625	1200	.0667	66.7	80.0	93.4	116.7	120.1	Flows: 66-120 GPM PSI: 200-1200 Stroke Length: 3.75"	Max. HP 102
	HP Required @ RPM**			54.9	65.8	89.7	96.1	102.0		
	HP Required @ RPM**			54.9	65.8	89.7	96.1	102.0		

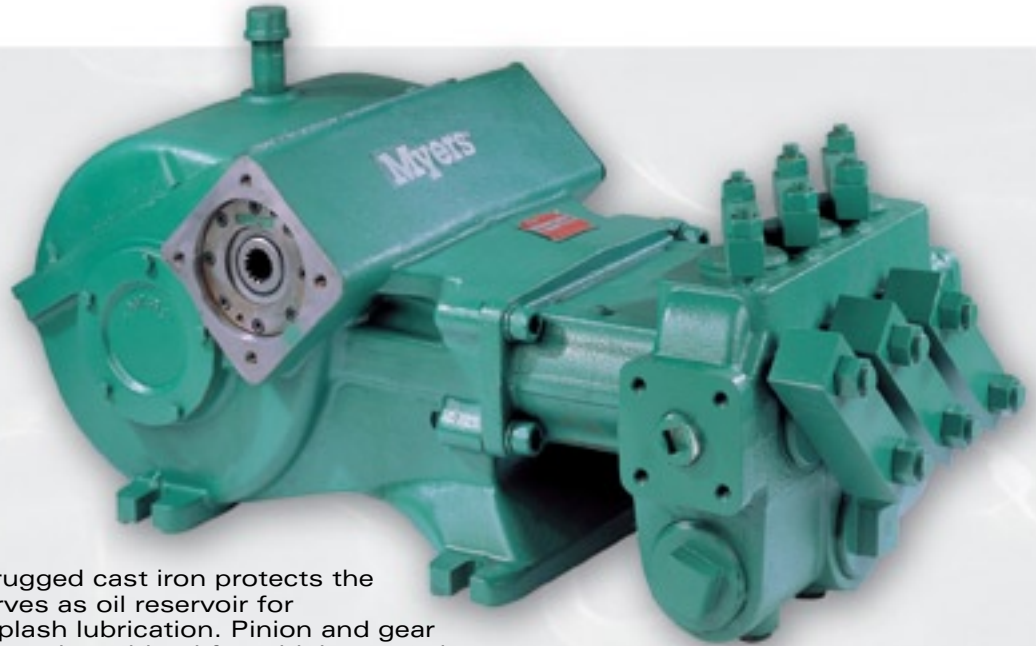
Metallurgy is available in Ductile Iron
"DP" Series have an internal gear reduction of 3.95:1

Pump Weight 725 lbs.

* Displacement based on 100% Volumetric Efficiency

** Power based on 85% Mechanical Efficiency

E-Series



Gearcase of rugged cast iron protects the gears and serves as oil reservoir for continuous splash lubrication. Pinion and gear are helical cut and machined from high-strength alloy steel, and can rotate in either direction. Valves are abrasion resistant for dependable service in the harshest environments.

E Series Pump Features

- Flows to 110 GPM
- Pressure ratings up to 3,000
- Easily serviced in field without removal of pump
- Abrasion resistant valve assemblies
- Internal gear reductions of 3.95 to 1

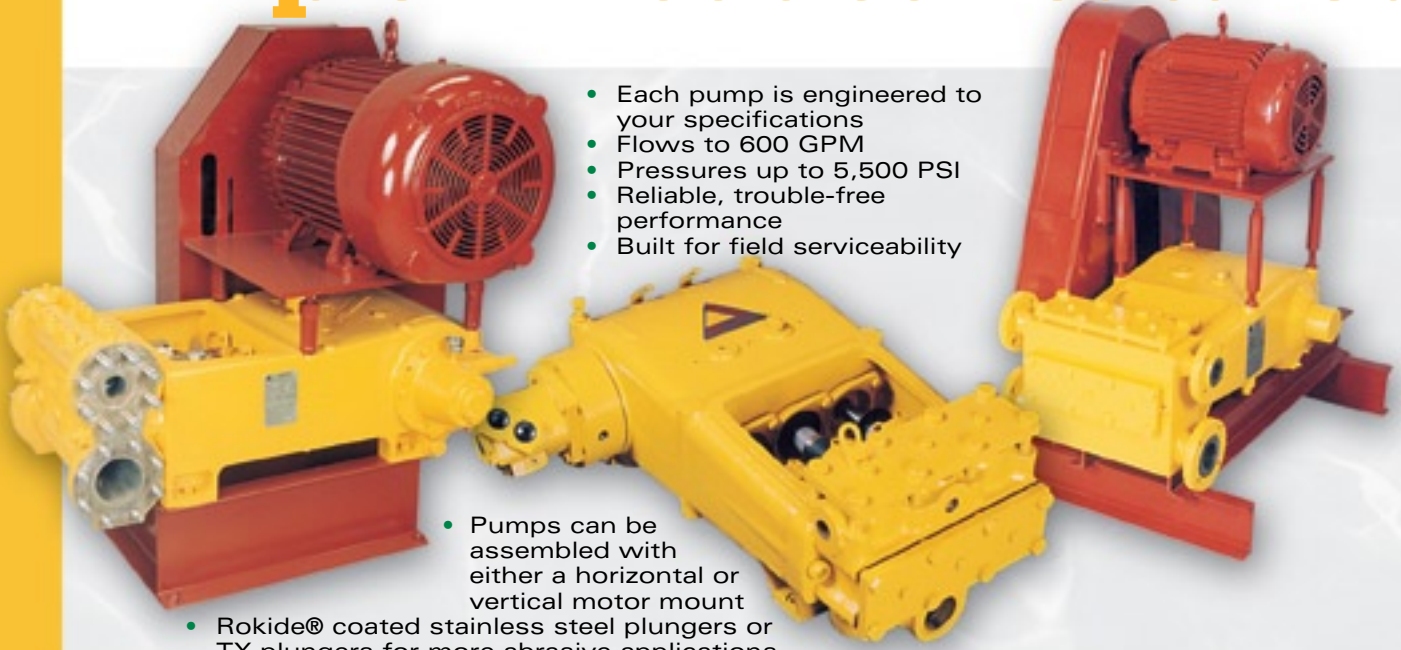
E54-30	Piston Size In.	Max. PSI	*Gallon Per/Rev	1012 RPM US GPM	1215 RPM US GPM	1417 RPM US GPM	1620 RPM US GPM	1823 RPM US GPM	Flows: 30-53 GPM PSI: 1800-3000 Stroke Length: 3.75"	Max. HP 110
	1.750	3000	.0296	29.9	35.9	41.9	47.9	53.9		
	HP Required @ RPM**			61.5	73.9	86.2	96.6	110.0		
E70-23	Piston Size In.	Max. PSI	*Gallon Per/Rev	774 RPM US GPM	1032 RPM US GPM	1290 RPM US GPM	1549 RPM US GPM	1807 RPM US GPM	Flows: 30-70 GPM PSI: 1900-2300 Stroke Length: 3.75"	Max. HP 110
	2.000	2300	.0387	29.9	39.9	49.9	59.9	69.9		
	HP Required @ RPM**			47.1	62.9	78.7	94.5	110.0		
E80-20	Piston Size In.	Max. PSI	*Gallon Per/Rev	914 RPM US GPM	1143 RPM US GPM	1371 RPM US GPM	1600 RPM US GPM	1828 RPM US GPM	Flows: 40-80 GPM PSI: 1200-2000 Stroke Length: 3.75"	Max. HP 110
	2.125	2000	.0437	39.9	49.9	59.9	69.9	79.8		
	HP Required @ RPM**			54.7	68.4	82.2	95.9	110.0		
E110-14	Piston Size In.	Max. PSI	*Gallon Per/Rev	1157 RPM US GPM	1322 RPM US GPM	1487 RPM US GPM	1652 RPM US GPM	1817 RPM US GPM	Flows: 70-109 GPM PSI: 800-1400 Stroke Length: 3.75"	Max. HP 110
	2.500	1400	.0605	69.9	79.9	89.9	99.9	109.9		
	HP Required @ RPM**			67.1	76.7	86.3	95.9	110.0		

Metallurgy available in Ductile Iron only
"E" Series have an internal gear reduction of 3.95:1

Pump Weight 525 lbs.

* Displacement based on 100% Volumetric Efficiency
** Power based on 85% Mechanical Efficiency

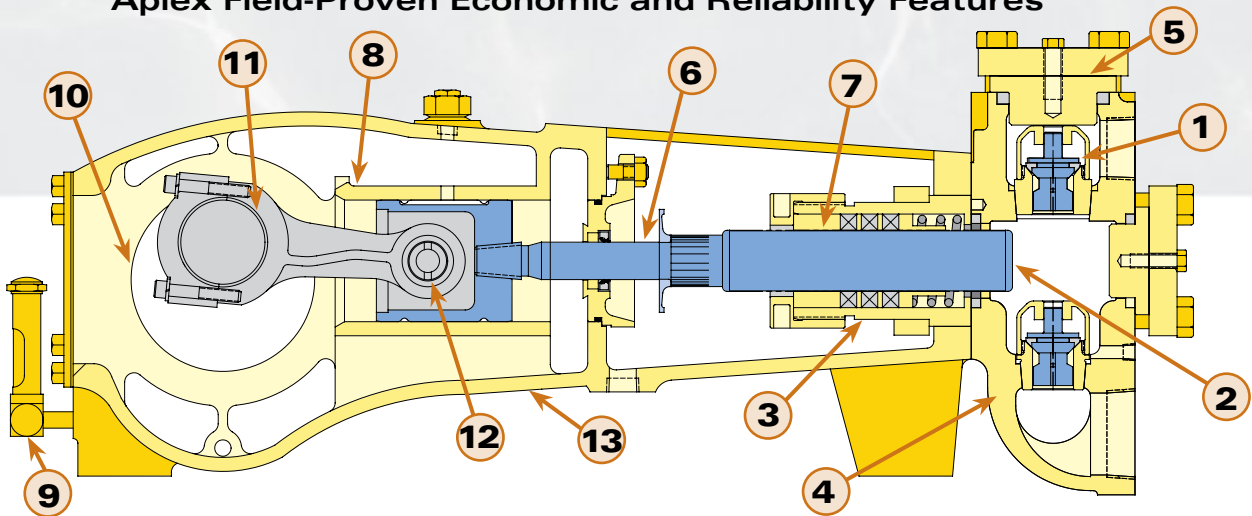
Aplex Product Features



- Each pump is engineered to your specifications
- Flows to 600 GPM
- Pressures up to 5,500 PSI
- Reliable, trouble-free performance
- Built for field serviceability

- Pumps can be assembled with either a horizontal or vertical motor mount
- Rokide® coated stainless steel plungers or TX plungers for more abrasive applications
- Various different valve types are available
- Numerous types of packing to meet all your pumping needs
- Total quality control over the manufacturing process - from the casting, to the assembly of complete factory-built pump skid packages

Aplex Field-Proven Economic and Reliability Features



- 1. Valves:** Unique (patented) hardened stainless steel disc-type valves for longer life cycle and servicing. Additional valve types are: delrin disc, titanium disc, abrasion resistant, and dual-stem guided
- 2. Plungers:** Myers-Aplex Rokide® chrome-oxide coated on stainless steel substrate or TX for abrasive service
- 3. Stuffing Boxes:** Replaceable and field-servicable -- available in various metallurgies
- 4. Liquid Ends:** Available in a variety of metallurgies
- 5. Valve Covers:** Provide easy access to valve components
- 6. Crosshead Extension Rods:** Solid heat-treated stainless steel for hardness and corrosion-resistance
- 7. Packing Assemblies:** Available in a wide selection of styles to meet your specific needs
- 8. Power-End Lubrication Systems:** A combination of splash and scoop methods to deliver proper lubrication of the power-end at a wide range of pump speeds
- 9. Oli Level Sight Glass:** Provides quick and easy oil level inspection
- 10. Crankshaft Journal Bearings:** Precision steel backed, babbitted inserts require no shimming of the rod cap for perfect running clearance
- 11. Crankshafts:** Forged steel or ductile iron, precision ground and polished for low friction and supported by large Timken roller bearings
- 12. Connecting Rods:** Utilizing case-hardened and centerless-ground alloy steel crosshead pins and large leaded bronze bushings. Provide an excellent design to cope with applications involving high suction pressures
- 13. Power Frame Cradle:** Unobstructed access for easy entry and servicing of plungers, packing, and stuffing boxes

Myers-Aplex Industries, Inc. reserves the right to change designs and specifications without incurring any liability for equipment previously or subsequently sold.

SC Series



Built for "intermittent duty" at full ratings for shift type of work, i.e. eight hours per day. This pump line offers the same design features as the MA Series in a smaller more compact and cost-effective design for this type of work and follows Hydraulic Institute Standards.

SC Series features

- Flows up to 585 GPM
- Pressure ratings up to 6,500 PSI
- Horsepower ratings to 400
- Temperatures to 400° F
- Metallurgies available are ductile iron, aluminum bronze, carbon steel, or stainless steel

SC Series Sizing Charts

	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	650 RPM US GPM		
Piston Only → SC-30	1.750	1743	.0547	13.7	19.1	24.6	30.1	35.5	Flows: 7-35 GPM PSI: 1743-3417 Stroke Length: 1.75" Weigh: 225 lbs.	Max. HP 40
	1.625	2022	.0471	11.8	16.5	21.2	25.9	30.6		
	1.500	2373	.0402	10.0	14.1	18.1	22.1	26.1		
	1.375	2824	.0337	8.4	11.8	15.2	18.6	21.9		
	1.250	3417	.0279	7.0	9.8	12.6	15.3	18.1		
	HP Required @ RPM**			21.6	27.8	34.0	40.0			

* Displacement based on 100% Volumetric Efficiency
 ** Power based on 90% Mechanical Efficiency

SC Series Sizing Charts (Continued)

SC-30H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	650 RPM US GPM	Flows: 3-14 GPM PSI: 4218-5000 Stroke Length: 1.75" Weighth: 275 lbs.	Max. HP 40
	1.125	4218	.0226	5.6	7.9	10.2	12.4	14.7		
	1.000	5000	.0179	4.5	6.2	8.0	9.8	11.6		
	.875	5000	.0137	3.4	4.8	6.1	7.5	8.9		
HP Required @ RPM**				15.4	21.6	27.8	34.0	40.0		

SC-45L	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	500 RPM US GPM	600 RPM US GPM	Flows: 18-69 GPM PSI: 1330-1683 Stroke Length: 2.25" Weighth: 475 lbs.	Max. HP 60
	2.250	1330	.1162	23.2	34.9	46.5	58.1	69.7		
	2.125	1491	.1036	20.7	31.1	41.5	51.8	62.2		
	2.000	1683	.0918	18.4	27.5	36.7	45.9	55.1		
HP Required @ RPM**				20.0	30.1	40.1	50.1	60.0		

SC-45	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	500 RPM US GPM	600 RPM US GPM	Flows: 10-48 GPM PSI: 1912-2988 Stroke Length: 2.25" Weighth: 430 lbs.	Max. HP 60
	1.875	1912	.0807	16.1	24.2	32.3	40.3	48.4		
	1.750	2195	.0703	14.1	21.1	28.1	35.1	42.2		
	1.625	2546	.0606	12.1	18.2	24.2	30.3	36.4		
HP Required @ RPM**				20.0	30.0	40.0	50.0	60.0		

SC-45H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	500 RPM US GPM	600 RPM US GPM	Flows: 5-26 GPM PSI: 3556-5000 Stroke Length: 2.25" Weighth: 430 lbs.	Max. HP 60
	1.375	3556	.0434	8.7	13.0	17.4	21.7	26.0		
	1.250	4302	.0359	7.2	10.8	14.3	17.9	21.5		
	1.125	5000	.0290	5.8	8.7	11.6	14.5	17.4		
HP Required @ RPM**				20.0	30.0	40.0	50.0	60.0		

SC-65L	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	Flows: 28-116 GPM PSI: 1215-1815 Stroke Length: 2.75" Weighth: 750 lbs.	Max. HP 92
	2.750	1215	.2121	42.4	53.0	74.2	95.5	116.7		
	2.625	1334	.1933	38.7	48.3	67.6	87.0	106.3		
	2.500	1471	.1753	35.1	43.8	61.4	78.9	96.4		
	2.375	1630	.1582	31.6	39.6	55.4	71.2	87.0		
HP Required @ RPM**				33.4	41.8	58.5	75.2	92.0		

SC-65	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	Flows: 17-78 GPM PSI: 1815-3000 Stroke Length: 2.75" Weighth: 750 lbs.	Max. HP 92
	2.250	1815	.1420	28.4	35.5	49.7	63.9	78.1		
	2.125	2035	.1267	25.3	31.7	44.3	57.0	69.7		
	2.000	2297	.1122	22.4	28.1	39.3	50.5	61.7		
	1.875	2613	.0986	19.7	24.7	34.5	44.4	54.2		
HP Required @ RPM**				33.4	41.8	58.5	75.2	92.0		

SC-65H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	Flows: 8-40 GPM PSI: 3479-5000 Stroke Length: 2.75" Weighth: 795 lbs.	Max. HP 92
	1.625	3479	.0741	14.8	18.5	25.9	33.3	40.7		
	1.500	4083	.0631	12.6	15.8	22.1	28.4	34.7		
	1.375	4858	.0530	10.6	13.3	18.6	23.9	29.2		
	1.250	5000	.0438	8.8	11.0	15.3	19.7	24.1		
HP Required @ RPM**				33.4	41.8	58.5	75.2	92.0		

* Displacement based on 100% Volumetric Efficiency
 ** Power based on 90% Mechanical Efficiency

SC Series Sizing Charts (Continued)

SC-80	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	500 RPM US GPM	600 RPM US GPM	Flows: 17-80 GPM PSI: 1912-2988 Stroke Length: 2.25" Weigh: 510 lbs.	Max. HP 100
	1.875	1912	.1345	26.9	40.3	53.8	67.2	80.7		
	1.750	2195	.1171	23.4	35.1	46.9	58.6	70.3		
	1.625	2550	.1010	20.2	30.3	40.4	50.5	60.6		
	1.500	2988	.0861	17.2	25.8	34.4	43.0	51.6		
HP Required @ RPM**				33.4	50.1	66.7	83.4	100.0		

SC-80H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	500 RPM US GPM	600 RPM US GPM	Flows: 7-43 GPM PSI: 3558-6500 Stroke Length: 2.25" Weigh: 510 lbs.	Max. HP 100
	1.375	3558	.0723	14.5	21.7	28.9	36.2	43.4		
	1.250	4306	.0598	12.0	17.9	23.9	29.9	35.9		
	1.125	5316	.0484	9.7	14.5	19.4	24.2	29.0		
	1.000	6500	.0383	7.7	11.5	15.3	19.1	23.0		
HP Required @ RPM**				33.4	50.1	66.8	83.4	100.0		

SC-95	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	Flows: 21-105 GPM PSI: 1936-3441 Stroke Length: 3.00" Weigh: 920 lbs.	Max. HP 132
	2.500	1936	.1913	38.3	47.8	66.9	86.1	105.2		
	2.375	2145	.1726	34.5	43.2	60.4	77.7	94.9		
	2.250	2390	.1549	31.0	38.7	54.2	69.7	85.2		
	2.125	2680	.1382	27.6	34.5	48.4	62.2	76.0		
	2.000	3025	.1224	24.5	30.6	42.8	55.1	67.3		
1.875	3443	.1076	21.5	26.9	37.7	48.4	59.2			
HP Required @ RPM**				48.0	60.0	84.0	108.1	132.0		

Piston Only → SC-115L	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	Flows: 47-231 GPM PSI: 1020-1815 Stroke Length: 2.75" Weigh: 1,520 lbs.	Max. HP 154
	3.000	1020	.4208	84.2	105.2	147.3	189.3	231.4		
	2.750	1215	.3535	70.7	88.4	123.7	159.1	194.5		
	2.625	1333	.3221	64.4	80.5	112.7	145.0	177.2		
	2.500	1470	.2922	58.4	73.0	102.3	131.5	160.7		
	2.375	1629	.2637	52.7	65.9	92.3	118.7	145.0		
	2.250	1815	.2367	47.3	59.2	82.8	106.5	130.2		
HP Required @ RPM**				55.7	69.6	97.4	125.2	154.0		

SC-115	Plunger Size In.	Max. PSI	*Gallon Per/Rev	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	500 RPM US GPM	550 RPM US GPM	Flows: 50-130 GPM PSI: 1815-3000 Stroke Length: 2.75" Weigh: 1,240 lbs.	Max. HP 154
	2.250	1815	.2367	82.8	94.7	106.5	118.3	130.2		
	2.125	2035	.2111	73.9	84.4	95.0	105.6	116.1		
	2.000	2297	.1870	65.5	74.8	84.2	93.5	102.9		
	1.875	2613	.1644	57.5	65.7	74.0	82.2	90.4		
1.750	3000	.1432	50.1	57.3	64.4	71.6	78.7			
HP Required @ RPM**				97.5	111.4	125.4	139.3	154.0		

SC-115H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	500 RPM US GPM	550 RPM US GPM	Flows: 14-67 GPM PSI: 3479-5878 Stroke Length: 2.75" Weigh: 1,240 lbs.	Max. HP 154
	1.625	3479	.1234	24.7	37.0	49.4	61.7	67.9		
	1.500	4083	.1052	21.0	31.6	42.1	52.6	57.9		
	1.375	4858	.0884	17.7	26.5	35.4	44.2	48.6		
	1.250	5878	.0730	14.6	21.9	29.2	36.5	40.2		
HP Required @ RPM**				55.7	83.6	111.4	139.3	154.0		

* Displacement based on 100% Volumetric Efficiency
 ** Power based on 90% Mechanical Efficiency

SC Series Sizing Charts (Continued)

Piston Only → SC-170L	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 105-312 GPM PSI: 1136-1862 Stroke Length: 4.25" Weigh: 2,050 lbs.	Max. HP 230
	4.000	1136	.6936	173.4	208.1	242.8	277.0	312.1		
	3.500	1484	.5310	132.8	159.3	185.9	212.4	239.0		
	3.375	1596	.4938	123.4	148.1	172.8	197.5	222.2		
	3.250	1721	.4579	114.5	137.4	160.3	183.2	206.0		
	3.125	1862	.4233	105.8	127.0	148.2	169.3	190.5		
HP Required @ RPM**				127.7	153.3	178.8	204.4	230.0		

SC-170	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 67-239 GPM PSI: 1484-2909 Stroke Length: 4.25" Weigh: 1,850 lbs.	Max. HP 230
	3.500	1484	.5310	132.8	159.3	185.9	212.4	239.0		
	3.375	1596	.4938	123.4	148.1	172.8	197.5	222.2		
	3.250	1721	.4579	114.5	137.4	160.3	183.2	206.0		
	3.125	1862	.4233	105.8	127.0	148.2	169.3	190.5		
	3.000	2020	.3902	97.5	117.0	136.6	156.1	175.6		
	2.875	2199	.3583	89.6	107.5	125.4	143.3	161.2		
	2.750	2404	.3278	82.0	98.4	114.7	131.1	147.5		
	2.625	2638	.2987	74.7	89.6	104.5	119.5	134.4		
	2.500	2909	.2709	67.7	81.3	94.8	108.4	121.9		
HP Required @ RPM**				127.8	153.3	178.9	204.4	230.0		

SC-170H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 33-110 GPM PSI: 3223-5600 Stroke Length: 4.25" Weigh: 1,850 lbs.	Max. HP 230
	2.375	3223	.2445	61.1	73.4	85.6	97.8	110.0		
	2.250	3592	.2195	54.9	65.8	76.8	87.8	98.8		
	2.125	4027	.1958	48.9	58.7	68.5	78.3	88.1		
	2.000	4548	.1734	43.4	52.0	60.7	69.4	78.0		
	1.875	5172	.1524	38.1	45.7	53.3	61.0	68.6		
	1.750	5600	.1328	33.2	39.8	46.5	53.1	59.7		
	HP Required @ RPM**				127.8	153.3	178.9	204.4		

SC-170DD	Piston Size In.	Max. PSI	*Gallon Per/Rev	100 RPM US GPM	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 69-395 GPM PSI: 900-1136 Stroke Length: 4.25" Weigh: 2,325 lbs.	Max. HP 230
	4.500	900	.8778	87.8	175.6	263.3	351.1	395.0		
	4.250	1000	.7830	78.3	156.6	234.9	313.2	352.4		
	4.000	1136	.6936	69.4	138.7	208.1	277.4	312.1		
	HP Required @ RPM**				51.2	102.5	153.7	204.9		

Piston Only ↙ SC-230	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 86-418 GPM PSI: 1152-3084 Stroke Length: 4.50" Weigh: 2,680 lbs.	Max. HP 310
	4.500	1152	.9295	232.4	278.8	325.3	371.8	418.3		
	4.250	1291	.8291	207.3	248.7	290.2	331.6	373.1		
	4.000	1458	.7344	183.6	220.3	257.0	293.8	330.5		
	3.875	1553	.6892	172.3	206.8	241.2	275.7	310.1		
	3.750	1659	.6455	161.4	193.6	225.9	258.2	290.5		
	3.625	1775	.6032	150.8	180.9	211.1	241.3	271.4		
	3.500	1904	.5623	140.6	168.7	196.8	224.9	253.0		
	3.375	2048	.5228	130.7	156.8	183.0	209.1	235.3		
	3.250	2208	.4848	121.2	145.4	169.7	193.9	218.2		
	3.125	2388	.4482	112.1	134.5	156.9	179.3	201.7		
	3.000	2591	.4131	103.3	123.9	144.6	165.2	185.9		
	2.875	2821	.3794	94.8	113.8	132.8	151.8	170.7		
	2.750	3084	.3471	86.8	104.1	121.5	138.8	156.2		
HP Required @ RPM**				173.6	208.3	243.0	277.8	310.0		

* Displacement based on 100% Volumetric Efficiency
 ** Power based on 90% Mechanical Efficiency

SC Series Sizing Charts (Continued)

SC-230H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 45-129 GPM PSI: 3732-5831 Stroke Length: 4.50" Weigh: 2,935 lbs.	Max. HP 310
	2.500	3732	.2869	71.7	86.1	100.4	144.8	129.1		
	2.375	4135	.2589	64.7	77.7	90.6	103.6	116.5		
	2.250	4607	.2324	58.1	69.7	81.3	92.9	104.6		
	2.125	5165	.2073	51.8	62.2	72.5	82.9	93.3		
	2.000	5831	.1836	45.9	55.1	64.3	73.4	82.6		
HP Required @ RPM**				173.6	208.3	243.0	277.7	310.0		

SC-300	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 101-398 GPM PSI: 1550-3365 Stroke Length: 4.25" Weigh: 3,600 lbs.	Max. HP 400
	3.500	1550	.8851	221.3	265.5	309.8	354.0	398.3		
	3.375	1666	.8230	205.7	246.9	288.0	329.2	370.3		
	3.250	1797	.7631	190.8	228.9	267.1	305.3	343.4		
	3.125	1944	.7056	176.4	211.7	246.9	282.2	317.5		
	3.000	2109	.6503	162.6	195.1	227.6	260.1	292.6		
	2.875	2296	.5972	149.3	179.2	209.0	238.9	268.7		
	2.750	2510	.5464	136.6	163.9	191.2	218.6	245.9		
	2.625	2755	.4978	124.5	149.4	174.2	199.1	224.0		
	2.500	3037	.4516	112.9	135.5	158.0	180.6	203.2		
	2.375	3365	.4075	101.9	122.3	142.6	163.0	183.4		
HP Required @ RPM**				222.4	266.9	311.4	355.9	400.0		

Piston Or Plunger SC-300L	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	Flows: 189-585 GPM PSI: 1055-1626 Stroke Length: 4.25" Weigh: 3,900 lbs.	Max. HP 400
	4.500	1055	1.4631	292.6	365.8	438.9	512.1	585.2		
	4.375	1116	1.3829	276.6	345.7	414.9	484.0	553.2		
	4.250	1181	1.3050	261.0	326.3	391.5	456.8	522.0		
	4.125	1254	1.2294	245.9	307.3	368.8	430.3	491.8		
	4.000	1334	1.1560	231.2	289.0	346.8	404.6	462.4		
	3.875	1422	1.0849	217.0	271.2	325.5	379.7	434.0		
	3.750	1518	1.0160	203.2	254.0	304.8	355.6	406.4		
	3.625	1626	.9494	189.9	237.4	284.8	332.3	379.8		
HP Required @ RPM**				200.2	250.2	300.3	350.3	400.0		

SC-300H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 45-129 GPM PSI: 4203-6198 Stroke Length: 4.25" Weigh: 3,240 lbs.	Max. HP 400
	2.125	4203	.3263	81.6	97.9	114.2	130.5	146.8		
	2.000	4745	.2890	72.3	86.7	101.2	115.6	130.1		
	1.875	5399	.2540	63.5	76.2	88.9	101.6	114.3		
	1.750	6198	.2213	55.3	66.4	77.4	88.5	99.6		
HP Required @ RPM**				222.3	266.8	311.2	355.7	400.0		

* Displacement based on 100% Volumetric Efficiency
 ** Power based on 90% Mechanical Efficiency

MA Series

Built for heavy, continuous duty 24-hours per day, 365 days per year application. Designed to handle the toughest applications. Available in configurations to comply with the Hydraulic Institute standards as well as API674 Standards.



MA Series Features

- Flows up to 650 GPM
- Pressure ratings up to 5,000 PSI
- Horsepower ratings to 240
- Temperatures to 400° F
- Metallurgies available are Ductile Iron, Aluminum Bronze, Carbon Steels and a variety of Stainless Steel

MA-15M	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	650 RPM US GPM	Flows: 2-26 GPM PSI: 881-3040 Stroke Length: 1.50" Weigh: 235 lbs.	Max. HP 15
	1.625	881	.0404	10.1	14.1	18.2	22.2	26.3		
	1.500	1034	.0344	8.6	12.0	15.5	18.9	22.4		
	1.375	1231	.0289	7.2	10.1	13.0	15.9	18.8		
	1.250	1489	.0239	6.0	8.4	10.8	13.1	15.5		
	1.125	1839	.0194	4.8	6.8	8.7	10.7	12.6		
	1.000	2327	.0153	3.8	5.4	6.9	8.4	9.9		
	.875	3040	.0117	2.9	4.1	5.3	6.4	7.6		
HP Required @ RPM**			5.8	8.1	10.4	12.7	15.0			

MA-15H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	650 RPM US GPM	Flows: 2-5 GPM PSI: 5000 Stroke Length: 1.50" Weigh: 225 lbs.	Max. HP 18
	.750	5000	.0086	2.2	3.0	3.9	4.7	5.6		
	HP Required @ RPM**			7.0	9.8	12.6	15.3	18.0		

MA-25L	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	500 RPM US GPM	600 RPM US GPM	Flows: 16-62 GPM PSI: 625-789 Stroke Length: 2.00" Weigh: 455 lbs.	Max. HP 25
	2.250	625	.1033	20.7	31.0	41.3	51.6	62.0		
	2.125	700	.0921	18.4	27.6	36.8	46.1	55.3		
	2.000	789	.0816	16.3	24.5	32.6	40.8	49.0		
HP Required @ RPM**			8.4	12.6	16.7	20.9	25.0			

MA-25M	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	500 RPM US GPM	600 RPM US GPM	Flows: 4-43 GPM PSI: 896-3151 Stroke Length: 2.00" Weigh: 430 lbs.	Max. HP 25
	1.875	896	.0717	14.3	21.5	28.7	35.9	43.0		
	1.750	1028	.0625	12.5	18.7	25.0	31.2	37.5		
	1.625	1193	.0539	10.8	16.2	21.5	26.9	32.3		
	1.500	1400	.0459	9.2	13.8	18.4	23.0	27.5		
	1.375	1666	.0386	7.7	11.6	15.4	19.3	23.1		
	1.250	2016	.0319	6.4	9.6	12.8	15.9	19.1		
	1.125	2490	.0258	5.2	7.7	10.3	12.9	15.5		
	1.000	3151	.0204	4.1	6.1	8.2	10.2	12.2		
HP Required @ RPM**			8.3	12.5	16.7	20.8	25.0			

* Displacement based on 100% Volumetric Efficiency
 ** Power based on 90% Mechanical Efficiency

MA Series Sizing Charts (Continued)

MA-25H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	500 RPM US GPM	600 RPM US GPM	Flows: 2-9 GPM PSI: 4145-5000 Stroke Length: 2.00" Weighth: 455 lbs.	Max. HP 25
	.875	4145	.0156	3.1	4.7	6.2	7.8	9.4		
	.750	5000	.0115	2.3	3.4	4.6	5.7	6.9		
	HP Required @ RPM**			8.3	12.6	16.8	21.0	25.0		

MA-40L	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	Flows: 25-106 GPM PSI: 580-867 Stroke Length: 2.50" Weighth: 810 lbs.	Max. HP 40
	2.750	580	.1928	38.6	48.2	67.5	86.8	106.1		
	2.625	637	.1757	35.1	43.9	61.5	79.1	96.6		
	2.500	703	.1594	31.9	39.8	55.8	71.7	87.7		
	2.375	779	.1438	28.8	36.0	50.3	64.7	79.1		
	2.250	867	.1291	25.8	32.3	45.2	58.1	71.0		
HP Required @ RPM**			14.5	18.1	25.4	32.6	40.0			

MA-40M	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	Flows: 6-71 GPM PSI: 867-3468 Stroke Length: 2.50" Weighth: 750 lbs.	Max. HP 40
	2.250	867	.1291	25.8	32.3	45.2	58.1	71.0		
	2.125	973	.1151	23.0	28.8	40.3	51.8	63.3		
	2.000	1098	.1020	20.4	25.5	35.7	45.9	56.1		
	1.875	1249	.0896	17.9	22.4	31.4	40.3	49.3		
	1.750	1433	.0781	15.6	19.5	27.3	35.1	43.0		
	1.625	1663	.0673	13.5	16.8	23.6	30.3	37.0		
	1.500	1951	.0574	11.5	14.3	20.1	25.8	31.6		
	1.375	2321	.0482	9.6	12.1	16.9	21.7	26.5		
	1.250	2809	.0398	8.0	10.0	13.9	17.9	21.9		
	1.125	3468	.0323	6.5	8.1	11.3	14.5	17.8		
HP Required @ RPM**			14.5	18.1	25.4	32.7	40.0			

MA-40H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	Flows: 3-14 GPM PSI: 4392-5000 Stroke Length: 2.50" Weighth: 845 lbs.	Max. HP 40
	1.000	4392	.0255	5.1	6.4	8.9	11.5	14.0		
	.875	5000	.0195	3.9	4.9	6.8	8.8	10.7		
	HP Required @ RPM**			14.5	18.2	25.4	32.7	40.0		

MA-45M	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	500 RPM US GPM	600 RPM US GPM	Flows: 7-80 GPM PSI: 860-3024 Stroke Length: 2.25" Weighth: 710 lbs.	Max. HP 45
	1.875	860	.1345	26.9	40.3	53.8	67.2	80.7		
	1.750	988	.1171	23.4	35.1	46.9	58.6	70.3		
	1.625	1146	.1010	20.2	30.3	40.4	50.5	60.6		
	1.500	1344	.0861	17.2	25.8	34.4	43.0	51.6		
	1.375	1600	.0723	14.5	21.7	28.9	36.2	43.4		
	1.250	1936	.0598	12.0	17.9	23.9	29.9	35.9		
	1.125	2390	.0484	9.7	14.5	19.4	24.2	29.0		
	1.000	3024	.0383	7.7	11.5	15.3	19.1	23.0		
HP Required @ RPM**			15.0	22.5	30.0	37.5	45.0			

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 ** Power based on 90% Mechanical Efficiency

MA Series Sizing Charts (Continued)

MA-45H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	500 RPM US GPM	600 RPM US GPM	Flows: 4-23 GPM PSI: 3024-5000 Stroke Length: 2.25" Weighth: 720 lbs.	Max. HP 45
	1.000	3024	.0383	7.6	11.5	15.3	19.1	23.0		
	.875	3950	.0293	5.9	8.8	11.7	14.6	17.6		
	.750	5000	.0215	4.3	6.5	8.6	10.8	12.9		
HP Required @ RPM**				15.0	22.5	30.0	37.5	45.0		

MA-60M	Plunger Size In.	Max. PSI	*Gallon Per/Rev	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	500 RPM US GPM	Flows: 17-126 GPM PSI: 732-3200 Stroke Length: 3.00" Weighth: 945 lbs.	Max. HP 60
	2.500	968	.1913	57.4	66.9	76.5	86.1	95.6		
	2.375	1073	.1726	51.8	60.4	69.0	77.7	86.3		
	2.250	1195	.1549	46.5	54.2	62.0	69.7	77.5		
	2.125	1340	.1382	41.5	48.4	55.3	62.2	69.1		
	2.000	1513	.1224	36.7	42.8	49.0	55.1	61.2		
	1.875	1721	.1076	32.3	37.7	43.0	48.4	53.8		
	1.750	1976	.0937	28.1	32.8	37.5	42.2	46.9		
	1.625	2291	.0808	24.2	28.3	32.3	36.4	40.4		
	1.500	2689	.0689	20.7	24.1	27.5	31.0	34.4		
1.375	3200	.0579	17.4	20.2	23.1	26.0	28.9			
HP Required @ RPM**				36.0	42.0	48.0	54.0	60.0		

MA-60H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	100 RPM US GPM	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	500 RPM US GPM	Flows: 3-28 GPM PSI: 3200-5000 Stroke Length: 3.00" Weighth: 945 lbs.	Max. HP 60
	1.375	3200	.0579	5.8	11.6	17.4	23.2	28.9		
	1.250	3872	.0478	4.8	9.6	14.3	19.2	23.9		
	1.125	4780	.0387	3.9	7.7	11.6	15.5	19.4		
	1.000	5000	.0306	3.1	6.1	9.2	12.2	15.3		
HP Required @ RPM**				12.0	24.0	36.0	48.0	60.0		

MA-75L	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	Flows: 47-194 GPM PSI: 595-889 Stroke Length: 2.75" Weighth: 1,435 lbs.	Max. HP 75
	2.750	595	.3535	70.7	88.4	123.7	159.1	194.5		
	2.625	653	.3221	64.4	80.5	112.7	145.0	177.2		
	2.500	720	.2922	58.4	73.0	102.3	131.5	160.7		
	2.375	798	.2637	52.7	65.9	92.3	118.7	145.0		
	2.250	889	.2367	47.3	59.2	82.8	106.5	130.2		
HP Required @ RPM**				27.3	34.1	47.7	61.4	75.0		

MA-75M	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	Flows: 11-130 GPM PSI: 889-3000 Stroke Length: 2.75" Weighth: 1,270 lbs.	Max. HP 75
	2.250	889	.2367	47.3	59.2	82.8	106.5	130.2		
	2.125	997	.2111	42.2	52.8	73.9	95.0	116.1		
	2.000	1125	.1870	37.4	46.8	65.5	84.2	102.9		
	1.875	1280	.1644	32.9	41.1	57.5	74.0	90.4		
	1.750	1468	.1432	28.6	35.8	50.1	64.4	78.7		
	1.625	1704	.1234	24.7	30.9	43.2	55.6	67.9		
	1.500	1998	.1052	21.0	26.3	36.8	47.3	57.9		
	1.375	2379	.0884	17.7	22.1	30.9	39.8	48.6		
	1.250	2878	.0730	14.6	18.3	25.6	32.9	40.2		
1.125	3000	.0592	11.8	14.8	20.7	26.6	32.5			
HP Required @ RPM**				27.3	34.1	47.8	61.4	75.0		

* Displacement based on 100% Volumetric Efficiency
 ** Power based on 90% Mechanical Efficiency

MA Series Sizing Charts (Continued)

MA-75H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	150 RPM US GPM	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	Flows: 11-32 GPM PSI: 3553-5000 Stroke Length: 2.75" Weigh: 1,325 lbs.	Max. HP 75
	1.125	3553	.0592	8.9	14.8	20.7	26.6	32.5		
	1.000	4497	.0468	7.0	11.7	16.4	21.0	25.7		
	0.875	5000	.0358	5.4	8.9	12.5	16.1	19.7		
	HP Required @ RPM**				20.4	34.1	47.7	61.3		

MA-95L	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 46-224 GPM PSI: 650-1764 Stroke Length: 4.00" Weigh: 1,725 lbs.	Max. HP 95
	3.500	650	.4998	125.0	149.9	174.9	199.9	224.9		
	3.250	754	.4310	107.7	129.3	150.8	172.4	193.9		
	3.000	884	.3672	91.8	110.2	128.5	146.9	165.2		
	2.750	1053	.3086	77.1	92.6	108.0	123.4	138.8		
	2.625	1156	.2811	70.3	84.3	98.4	112.5	126.5		
	2.500	1274	.2550	63.8	76.5	89.3	102.0	114.8		
	2.375	1411	.2301	57.5	69.0	80.5	92.1	103.6		
	2.250	1572	.2066	51.6	62.0	72.3	82.6	92.9		
	2.125	1764	.1842	46.1	55.3	64.5	73.7	82.9		
HP Required @ RPM***				52.7	63.2	73.7	84.3	95.0		

MA-95M	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 19-92 GPM PSI: 1572-3600 Stroke Length: 4.00" Weight: 1,600 lbs.	Max. HP 95
	2.250	1572	.2066	51.6	62.0	72.3	82.6	92.9		
	2.125	1763	.1842	46.1	55.3	64.5	73.7	82.9		
	2.000	1992	.1632	40.8	49.0	57.1	65.3	73.4		
	1.875	2265	.1434	35.9	43.0	50.2	57.4	65.5		
	1.750	2600	.1250	31.2	37.5	43.7	50.0	56.2		
	1.625	3016	.1077	26.9	32.3	37.7	43.1	48.5		
	1.500	3250	.0918	23.0	27.5	32.1	36.7	41.3		
	1.375	3600	.0771	19.3	23.1	27.0	30.9	34.7		
	HP Required @ RPM***				19.3	23.1	27.0	30.9		

MA-120L	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 61-239 GPM PSI: 775-1682 Stroke Length: 4.25" Weigh: 2,050 lbs.	Max. HP 120
	3.500	775	.5310	132.8	159.3	185.9	212.4	239.0		
	3.375	833	.4938	123.4	148.1	172.8	197.5	222.2		
	3.250	898	.4579	114.5	137.4	160.3	183.2	206.0		
	3.125	971	.4233	105.8	127.0	148.2	169.3	190.5		
	3.000	1054	.3902	97.5	117.0	136.6	156.1	175.6		
	2.875	1148	.3583	89.6	107.5	125.4	143.3	161.2		
	2.750	1254	.3278	82.0	98.4	114.7	131.1	147.5		
	2.625	1377	.2987	74.7	89.6	104.5	119.5	134.4		
	2.500	1518	.2709	67.7	81.3	94.8	108.4	121.9		
	2.375	1682	.2445	61.1	73.4	85.6	97.8	110.0		
HP Required @ RPM**				66.7	80.1	93.4	106.8	120.0		

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 ** Power based on 90% Mechanical Efficiency

MA Series Sizing Charts (Continued)

MA-120M	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 24-98 GPM PSI: 1873-3600 Stroke Length: 4.25" Weigth: 1,950 lbs.	Max. HP 120
	2.250	1873	.2195	54.9	65.8	76.8	87.8	98.8		
	2.125	2100	.1958	48.9	58.7	68.5	78.3	88.1		
	2.000	2371	.1734	43.4	52.0	60.7	69.4	78.0		
	1.875	2697	.1524	38.1	45.7	53.3	61.0	68.6		
	1.750	3097	.1328	33.2	39.8	46.5	53.1	59.7		
	1.625	3250	.1145	28.6	34.3	40.1	45.8	51.5		
	1.500	3600	.0975	24.4	29.3	34.1	39.0	43.9		
HP Required @ RPM**				66.6	80.0	93.3	106.6	120.0		

MA-120H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 20-78 GPM PSI: 2284-5016 Stroke Length: 4.25" Weigth: 2,050 lbs.	Max. HP 120
	2.000	2284	.1734	43.4	52.0	60.7	69.4	78.0		
	1.875	2397	.1524	38.1	45.7	53.3	61.0	68.6		
	1.750	3097	.1328	33.2	39.8	46.5	53.1	59.7		
	1.625	3592	.1145	28.6	34.3	40.1	45.8	51.5		
	1.500	4215	.0975	24.4	29.3	34.1	39.0	43.9		
	1.375	5016	.0820	20.5	24.6	28.7	32.8	36.9		
HP Required @ RPM**				64.2	77.1	89.9	102.7	120.0		

MA-155L	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 94-330 GPM PSI: 724-1400 Stroke Length: 4.50" Weigth: 2,680 lbs.	Max. HP 155
	4.000	724	.7344	183.6	220.3	257.0	293.8	330.5		
	3.875	771	.6892	172.3	206.8	241.2	275.7	310.1		
	3.750	823	.6455	161.4	193.6	225.9	258.2	290.5		
	3.625	881	.6032	150.8	180.9	211.1	241.3	271.4		
	3.500	945	.5623	140.6	168.7	196.8	224.9	253.0		
	3.375	1016	.5228	130.7	156.8	183.0	209.1	235.3		
	3.250	1096	.4848	121.2	145.4	169.7	193.9	218.2		
	3.125	1185	.4482	112.1	134.5	156.9	179.3	201.7		
	3.000	1285	.4131	103.3	123.9	144.6	165.2	185.9		
2.875	1400	.3794	94.8	113.8	132.8	151.8	170.7			
HP Required @ RPM**				86.2	103.4	120.7	137.9	155.0		

MA-155M	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 35-156 GPM PSI: 1530-3600 Stroke Length: 4.50" Weigth: 2,500 lbs.	Max. HP 155
	2.750	1530	.3471	86.8	104.1	121.5	138.8	156.2		
	2.625	1679	.3163	79.1	94.9	110.7	126.5	142.3		
	2.500	1852	.2869	71.7	86.1	100.4	114.8	129.1		
	2.375	2051	.2589	64.7	77.7	90.6	103.6	116.5		
	2.250	2286	.2324	58.1	69.7	81.3	92.9	104.6		
	2.125	2562	.2073	51.8	62.2	72.5	82.9	93.3		
	2.000	2892	.1836	45.9	55.1	64.3	73.4	82.6		
	1.875	3291	.1614	40.3	48.4	56.5	64.5	72.6		
	1.750	3600	.1406	35.1	42.2	49.2	56.2	63.3		
HP Required @ RPM**				86.1	103.3	120.5	137.8	155.0		

* Displacement based on 100% Volumetric Efficiency
 ** Power based on 90% Mechanical Efficiency

MA Series Sizing Charts (Continued)

MA-155H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 25-72 GPM PSI: 3289-5000 Stroke Length: 4.50" Weigh: 2,935 lbs.	Max. HP 155
	1.875	3289	.1614	40.3	48.4	56.5	64.5	72.6		
	1.750	3776	.1406	35.1	42.2	49.2	56.2	63.3		
	1.625	4379	.1212	30.3	36.4	42.4	48.5	54.5		
	1.500	5000	.1033	25.8	31.0	36.1	41.3	46.5		
HP Required @ RPM**				86.0	103.3	120.5	137.7	155.0		

MA-240K	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 221-658 GPM PSI: 562-929 Stroke Length: 4.25" Weigh: 3,240 lbs.	Max. HP 240
	4.500	562	1.4631	365.8	438.9	512.1	585.2	658.4		
	4.375	595	1.3829	345.7	414.9	484.0	553.2	622.3		
	4.250	629	1.3050	326.3	391.5	456.8	522.0	587.3		
	4.125	669	1.2294	307.3	368.8	430.3	491.8	553.3		
	4.000	711	1.1560	289.0	346.8	404.6	462.4	520.2		
	3.875	758	1.0849	271.2	325.5	379.7	434.0	488.2		
	3.750	809	1.0160	254.0	304.8	355.6	406.4	457.2		
	3.625	866	.9494	237.4	284.8	332.3	379.8	427.2		
	3.500	929	.8851	221.3	265.5	309.8	354.0	398.3		
HP Required @ RPM**				133.3	160.0	186.6	213.3	240.0		

MA-240L	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 101-398 GPM PSI: 930-2020 Stroke Length: 4.25" Weigh: 3,240 lbs.	Max. HP 240
	3.500	930	.8851	221.3	265.5	309.8	354.0	398.3		
	3.375	1000	.8230	205.7	246.9	288.0	329.2	370.3		
	3.250	1079	.7631	190.8	228.9	267.1	305.3	343.4		
	3.125	1166	.7056	176.4	211.7	246.9	282.2	317.5		
	3.000	1266	.6503	162.6	195.1	227.6	260.1	292.6		
	2.875	1376	.5972	149.3	179.2	209.0	238.9	268.7		
	2.750	1506	.5464	136.6	163.9	191.2	218.6	245.9		
	2.625	1652	.4978	124.5	149.4	174.2	199.1	224.0		
	2.500	1823	.4516	112.9	135.5	158.0	180.6	203.2		
	2.375	2020	.4075	101.9	122.3	142.6	163.0	183.4		
HP Required @ RPM**				133.4	160.1	186.8	213.5	240.0		

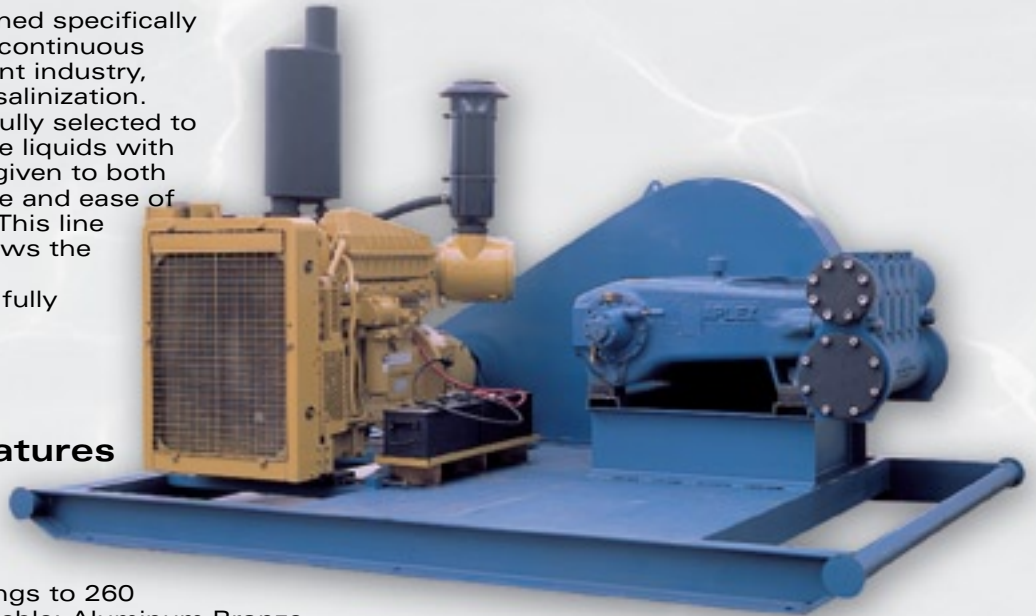
MA-240M	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 55-164 GPM PSI: 2248-3600 Stroke Length: 4.25" Weigh: 3,580 lbs.	Max. HP 240
	2.250	2248	.3658	91.4	109.7	128.0	146.3	164.6		
	2.125	2520	.3263	81.6	97.9	114.2	130.5	146.8		
	2.000	2845	.2890	72.3	86.7	101.2	115.6	130.1		
	1.875	3237	.2540	63.5	76.2	88.9	101.6	114.3		
	1.750	3600	.2213	55.3	66.4	77.4	88.5	99.6		
HP Required @ RPM**				133.3	160.0	186.6	213.3	240.0		

MA-240H	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 40-114 GPM PSI: 3237-5000 Stroke Length: 4.25" Weigh: 3,240 lbs.	Max. HP 240
	1.875	3237	.2540	63.5	76.2	88.9	101.6	114.3		
	1.750	3716	.2213	55.3	66.4	77.4	88.5	99.6		
	1.625	4309	.1908	47.7	57.2	66.8	76.3	85.9		
	1.500	5000	.1626	40.6	48.8	56.9	65.0	73.2		
HP Required @ RPM**				133.3	160.0	186.6	213.3	240.0		

* Displacement based on 100% Volumetric Efficiency
 ** Power based on 90% Mechanical Efficiency

RO Series

This pump is designed specifically for the demanding continuous duty water treatment industry, in particular, for desalinization. Each pump is carefully selected to handle the corrosive liquids with particular concern given to both corrosion resistance and ease of field maintenance. This line of pumps also follows the Hydraulic Institute Standards and can fully comply to API 674 if needed.



RO Series Features

- Flows up to 658 GPM
- Pressure ratings up to 2,698 PSI
- Horsepower Ratings to 260
- Metallurgies available: Aluminum Bronze, 316 Stainless Steel, and 2205 Stainless Steel

RO-23	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	650 RPM US GPM	Flows: 4-26 GPM PSI: 1174-2450 Stroke Length: 1.50" Weighth: 235 lbs.	Max. HP 20
	1.625	1174	.0404	10.1	14.1	18.2	22.2	26.3		
	1.500	1378	.0344	8.6	12.0	15.5	18.9	22.4		
	1.375	1640	.0289	7.2	10.1	13.0	15.9	18.8		
	1.250	1984	.0239	6.0	8.4	10.8	13.1	15.5		
	1.125	2450	.0194	4.8	6.8	8.7	10.7	12.6		
HP Required @ RPM**				7.7	10.8	13.8	16.9	20.0		

RO-38	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	500 RPM US GPM	600 RPM US GPM	Flows: 6-43 GPM PSI: 1075-2419 Stroke Length: 2.00" Weighth: 430 lbs..	Max. HP 30
	1.875	1075	.0717	14.3	21.5	28.7	35.9	43.0		
	1.750	1234	.0625	12.5	18.7	25.0	31.2	37.5		
	1.625	1431	.0539	10.8	16.2	21.5	26.9	32.3		
	1.500	1680	.0459	9.2	13.8	18.4	23.0	27.5		
	1.375	1999	.0386	7.7	11.6	15.4	19.3	23.1		
1.250	2419	.0319	6.4	9.6	12.8	15.9	19.1			
HP Required @ RPM**				10.0	15.0	20.0	25.0	30.0		

RO-64	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	Flows: 11-71 GPM PSI: 1086-2440 Stroke Length: 2.50" Weighth: 750 lbs.	Max. HP 50
	2.250	1086	.1291	25.8	32.3	45.2	58.1	71.0		
	2.125	1218	.1151	23.0	28.8	40.3	51.8	63.3		
	2.000	1374	.1020	20.4	25.5	35.7	45.9	56.1		
	1.875	1564	.0896	17.9	22.4	31.4	40.3	49.3		
	1.750	1793	.0781	15.6	19.5	27.3	35.1	43.0		
	1.625	2084	.0673	13.5	16.8	23.6	30.3	37.0		
	1.500	2440	.0574	11.5	14.3	20.1	25.8	31.6		
HP Required @ RPM**				18.2	22.7	31.8	40.9	50.0		

* Displacement based on 100% Volumetric Efficiency
 ** Power based on 90% Mechanical Efficiency

RO Series Sizing Charts (Continued)

RO-72	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	300 RPM US GPM	400 RPM US GPM	500 RPM US GPM	600 RPM US GPM	Flows: 21-80 GPM PSI: 1051-2365 Stroke Length: 2.25" Weight: 710 lbs.	Max. HP 55
	1.875	1051	.1345	26.9	40.3	53.8	67.2	80.7		
	1.750	1207	.1171	23.4	35.1	46.9	58.6	70.3		
	1.625	1399	.1010	20.2	30.3	40.4	50.5	60.6		
	1.500	1642	.0861	17.2	25.8	34.4	43.0	51.6		
	1.375	1954	.0723	14.5	21.7	28.9	36.2	43.4		
	1.250	2365	.0598	12.0	17.9	23.9	29.9	35.9		
HP Required @ RPM**				18.3	27.5	36.7	45.8	55.0		

RO-86	Plunger Size In.	Max. PSI	*Gallon Per/Rev	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	500 RPM US GPM	Flows: 24-137 GPM PSI: 728-2480 Stroke Length: 3.00" Weight: 945 lbs.	Max. HP 65
	2.500	1048	.1913	57.4	66.9	76.5	86.1	95.6		
	2.375	1161	.1726	51.8	60.4	69.0	77.7	86.3		
	2.250	1294	.1549	46.5	54.2	62.0	69.7	77.5		
	2.125	1450	.1382	41.5	48.4	55.3	62.2	69.1		
	2.000	1637	.1224	36.7	42.8	49.0	55.1	61.2		
	1.875	1863	.1076	32.3	37.7	43.0	48.4	53.8		
	1.750	2139	.0937	28.1	32.8	37.5	42.2	46.9		
1.625	2480	.0808	24.2	28.3	32.3	36.4	40.4			
HP Required @ RPM**				39.0	45.5	52.0	58.5	65.0		

RO-117	Plunger Size In.	Max. PSI	*Gallon Per/Rev	200 RPM US GPM	250 RPM US GPM	350 RPM US GPM	450 RPM US GPM	550 RPM US GPM	Flows: 17-130 GPM PSI: 1008-2698 Stroke Length: 2.75" Weight: 1,270 lbs.	Max. HP 85
	2.250	1008	.2367	47.3	59.2	82.8	106.5	130.2		
	2.125	1130	.2111	42.2	52.8	73.9	95.0	116.1		
	2.000	1275	.1870	37.4	46.8	65.5	84.2	102.9		
	1.875	1451	.1644	32.9	41.1	57.5	74.0	90.4		
	1.750	1665	.1432	28.6	35.8	50.1	64.4	78.7		
	1.625	1932	.1234	24.7	30.9	43.2	55.6	67.9		
	1.500	2267	.1052	21.0	26.3	36.8	47.3	57.9		
1.375	2698	.0884	17.7	22.1	30.9	39.8	48.6			
HP Required @ RPM**				30.9	38.7	54.1	69.6	85.0		

RO-174	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 51-224 GPM PSI: 858-2075 Stroke Length: 4.00" Weight: 1,725 lbs.	Max. HP 125
	3.500	858	.4998	125.0	149.9	174.9	199.9	224.9		
	3.375	922	.4647	116.2	139.4	162.7	185.9	209.1		
	3.250	995	.4310	107.7	129.3	150.8	172.4	193.9		
	3.125	1076	.3984	99.6	119.5	139.5	159.4	179.3		
	3.000	1167	.3672	91.8	110.2	128.5	146.9	165.2		
	2.875	1271	.3372	84.3	101.2	118.0	134.9	151.8		
	2.750	1389	.3086	77.1	92.6	108.0	123.4	138.8		
	2.625	1525	.2811	70.3	84.3	98.4	112.5	126.5		
	2.500	1681	.2550	63.8	76.5	89.3	102.0	114.8		
	2.375	1863	.2301	57.5	69.0	80.5	92.1	103.6		
2.250	2075	.2066	51.6	62.0	72.3	82.6	92.9			
HP Required @ RPM**				69.5	83.4	97.3	111.2	125.0		

* Displacement based on 100% Volumetric Efficiency
 ** Power based on 90% Mechanical Efficiency

RO Series Sizing Charts (Continued)

RO-185	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 61-239 GPM PSI: 903-1961 Stroke Length: 4.25" Weight: 2,050 lbs.	Max. HP 140
	3.500	903	.5310	132.8	159.3	185.9	212.4	239.0		
	3.375	971	.4938	123.4	148.1	172.8	197.5	222.2		
	3.250	1047	.4579	114.5	137.4	160.3	183.2	206.0		
	3.125	1133	.4233	105.8	127.0	148.2	169.3	190.5		
	3.000	1229	.3902	97.5	117.0	136.6	156.1	175.6		
	2.875	1338	.3583	89.6	107.5	125.4	143.3	161.2		
	2.750	1463	.3278	82.0	98.4	114.7	131.1	147.5		
	2.625	1605	.2987	74.7	89.6	104.5	119.5	134.4		
	2.500	1770	.2709	67.7	81.3	94.8	108.4	121.9		
2.375	1961	.2445	61.1	73.4	85.6	97.8	110.0			
HP Required @ RPM**				77.7	93.3	108.8	124.4	140.0		

RO-261	-Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 121-330 GPM PSI: 934-1415 Stroke Length: 4.50" Weight: 2,680 lbs.	Max. HP 200			
	4.000	934	.7344	183.6	220.3	257.0	293.8	330.5					
	3.875	995	.6892	172.3	206.8	241.2	275.7	310.1					
	3.750	1063	.6455	161.4	193.6	225.9	258.2	290.5					
	3.625	1138	.6032	150.8	180.9	211.1	241.3	271.4					
	3.500	1220	.5623	140.6	168.7	196.8	224.9	253.0					
	3.375	1312	.5228	130.7	156.8	183.0	209.1	235.3					
	3.250	1415	.4848	121.2	145.4	169.7	193.9	218.2					
	HP Required @ RPM**				111.2	133.4	155.7	177.9			200.0		

RO-358	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 101-398 GPM PSI: 1007-2187 Stroke Length: 4.25" Weight: 3,240 lbs.	Max. HP 260
	3.500	1007	.8851	221.3	265.5	309.8	354.0	398.3		
	3.375	1083	.8230	205.7	246.9	288.0	329.2	370.3		
	3.250	1168	.7631	190.8	228.9	267.1	305.3	343.4		
	3.125	1263	.7056	176.4	211.7	246.9	282.2	317.5		
	3.000	1371	.6503	162.6	195.1	227.6	260.1	292.6		
	2.875	1492	.5972	149.3	179.2	209.0	238.9	268.7		
	2.750	1631	.5464	136.6	163.9	191.2	218.6	245.9		
	2.625	1790	.4978	124.5	149.4	174.2	199.1	224.0		
	2.500	1974	.4516	112.9	135.5	158.0	180.6	203.2		
2.375	2187	.4075	101.9	122.3	142.6	163.0	183.4			
HP Required @ RPM**				144.5	173.4	202.3	231.2	260.0		

RO-358L	Plunger Size In.	Max. PSI	*Gallon Per/Rev	250 RPM US GPM	300 RPM US GPM	350 RPM US GPM	400 RPM US GPM	450 RPM US GPM	Flows: 221-658 GPM PSI: 609-939 Stroke Length: 4.25" Weight: 3,240 lbs.	Max. HP 260
	4.500	609	1.4631	365.8	438.9	512.1	585.2	658.4		
	4.375	644	1.3829	345.7	414.9	484.0	553.2	622.3		
	4.250	683	1.3050	326.3	391.5	456.8	522.0	587.3		
	4.125	725	1.2294	307.3	368.8	430.3	491.8	553.2		
	4.000	771	1.1560	289.0	346.8	404.6	462.4	520.2		
	3.875	821	1.0849	271.2	325.5	379.7	434.0	488.2		
	3.750	877	1.0160	254.0	304.8	355.6	406.4	457.2		
	3.625	939	.9494	237.4	284.8	332.3	379.8	427.2		
	HP Required @ RPM**				144.5	173.1	202.2	231.1		

* Displacement based on 100% Volumetric Efficiency
 ** Power based on 90% Mechanical Efficiency

Accessories



A. KNOW YOUR FLOW

- Used on selected Aplex pumps
- Smart Display continually displays the theoretical rate of pump displacement
- Digital read-out
- Requires only 2 size "C" batteries

B. REGULATORS

- Handle capacities from 5 - 210 GPM
- Pressures from 50 - 5,500 PSI
- Ductile Iron body

C. PULSATION EQUIPMENT

- Suction and discharge
- Available up to 1200 cu. in.
- Flanged or threaded
- Replacement cartridges available
- Nitrile, EPDM, or TEF Encapsulated
- Carbon Steel, plastic coated, and 316 Stainless Steel

D. PULSATION EQUIPMENT

- Capacities from 10 - 20 GPM
- Pressures to 1500 PSI
- Carbon Steel body with butyl rubber, Stainless Steel and delrin internal components

E. BYPASS RELIEF VALVE

- Flows from 5 - 210 GPM
- Pressures 50 - 5,500 PSI
- Aluminum Bronze body with 316 Stainless Steel internal components

F. FORCE FEED PACKING LUBRICATOR

- Three- or five-feed for liquids that require additional lubrication such as: liquid propane, methanol, dry liquids or liquids requiring dried pumpage to be dissolved/flushed on backside or plungers such as produced water

G. MYERS-APLEX TOOLS

- Patented valve puller
- Gland wrench
- Cage wrench

H. PLANETARY GEAR

- Various ratios and HP ratings for Aplex pumps to fit your application

I. MYERS VALVE PULLERS, CYLINDER PULLER

- Tools to assist in removal of valves or cylinders
- Packing removal tool

J. PLANETARY SHAFT ADAPTER

- SAE adapter to provide shaft input for planetary gear boxes for inline motor drives

MYERS-APLEX LIMITED WARRANTY INDUSTRIAL PRODUCTS CENTRIFUGAL AND RECIPROCATING PUMPS

MYERS-APLEX warrants that its products are free from defects in material and workmanship for a period of twelve (12) months from the date of purchase or eighteen (18) months from the date of manufacture.

During the warranty period and subject to the conditions hereinafter set forth, MYERS-APLEX, will repair or replace to the original user or consumer parts which prove defective due to defective materials or workmanship of MYERS-APLEX. Contact your nearest authorized MYERS-APLEX distributor or MYERS-APLEX for warranty service. At all times, MYERS-APLEX shall have and possess the sole right and option to determine whether to repair or replace defective equipment, parts or components.

WARRANTY EXCEPTIONS: Seals, piston cups, packing, plungers, liners, valves are covered for a period of ninety (90) days for ambient temperature water service. All other applications are for a period of thirty (30) days unless specific written guarantee for that specific application is made by MYERS-APLEX. All engines, motors, auxiliary equipment are warranted only to the extent of the warranty given by the respective manufacturer.

LABOR, ETC. COSTS: MYERS-APLEX shall IN NO EVENT be responsible or liable for the cost of field labor or other charges incurred by any customer in removing and/or reaffixing any MYERS-APLEX product, part or component thereof.

THIS WARRANTY WILL NOT APPLY: (a) to defects or malfunctions resulting from failure to properly install, operate or maintain the unit in accordance with printed instructions provided; (b) to failures resulting from abuse, accident or negligence; (c) to normal maintenance services and the parts used in connection with such service; (d) to units which are not installed in accordance with applicable local codes, ordinances and good trade practices; or (e) if the unit is moved from its original installation location and (f) unit is used for purposes other than for what it was designed and manufactured.

RETURN OR REPLACED COMPONENTS: any item to be replaced under this Warranty must be returned to MYERS/APLEX in Ashland, Ohio, or such other place as MYERS-APLEX may designate, freight prepaid.

PRODUCT IMPROVEMENTS: MYERS-APLEX reserves the right to change or improve its products or any portions thereof without being obligated to provide such a change or improvement for units sold and/or shipped prior to such a change or improvement.

WARRANTY EXCLUSIONS: MYERS-APLEX MAKES NO EXPRESS OR IMPLIED WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. MYERS-APLEX SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE.

Some states do not permit some or all of the above warranty limitations and, therefore, such limitations may not apply to you. No warranties or representations at any time made by any representatives of Myers-Aplex shall vary or expand the provision hereof.

LIABILITY LIMITATION: IN NO EVENT SHALL MYERS-APLEX BE LIABLE OR RESPONSIBLE FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES RESULTING FROM OR RELATED IN ANY MANNER TO ANY MYERS-APLEX PRODUCT OR PARTS THEREOF. PERSONAL INJURY AND/OR PROPERTY DAMAGE MAY RESULT FROM IMPROPER INSTALLATION. MYERS-APLEX DISCLAIMS ALL LIABILITY, INCLUDING LIABILITY UNDER THIS WARRANTY, FOR IMPROPER INSTALLATION -- MYERS-APLEX RECOMMENDS INSTALLATION BY PROFESSIONALS.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

In the absence of suitable proof of this purchase date, the effective date of this warranty will be based upon the date of manufacture.

**For more information about Myers-Aplex industrial pumps,
contact your local distributor or our World Headquarters in Ashland, Ohio.**



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