

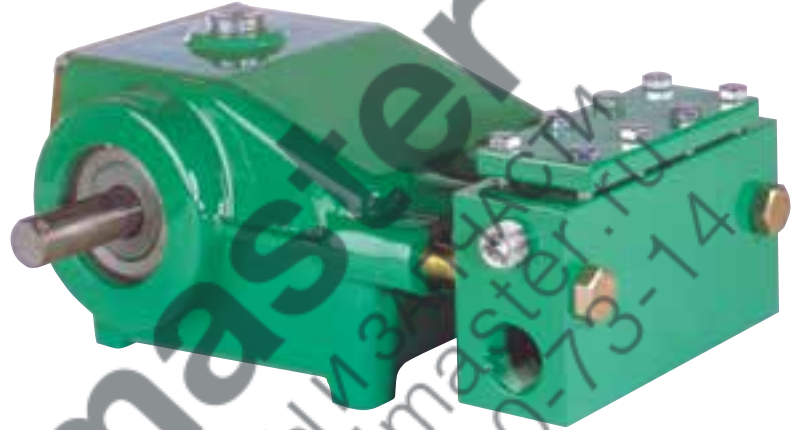
MYERS® MODEL BXM

High Pressure Reciprocating Pump

Understanding Your Needs

The Myers BXM series combines manufacturing expertise and understanding of applications to provide a pump with strength and versatility for any demanding high-pressure job.

Contact your Pentair sales representative or customer service at 419-289-1144 for more details.



Wide Performance Range

- 3–8 gpm (11.4–30.3 lpm)
- Up to 1500 psi (103.4 bar)

Rugged design for continuous operation

- Solid one-piece cast iron power end.
- Extra-large oil sump for superior lubrication.
- Steel fluid end or optional aluminum bronze for long, corrosion-resistant life.

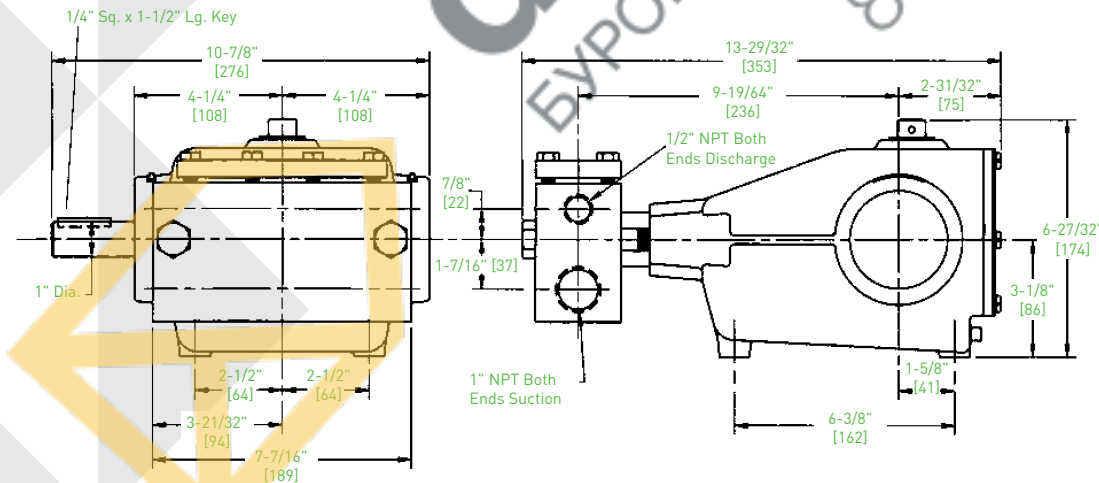
Designed for Simple, Routine Maintenance

- Easy access to suction and discharge valves – no need to remove pump from system.

Whisper Quiet Operation

- Oversized spherical suction and discharge valves allow complete filling of cylinder.

Dimensional Data [Dimensions in mm]



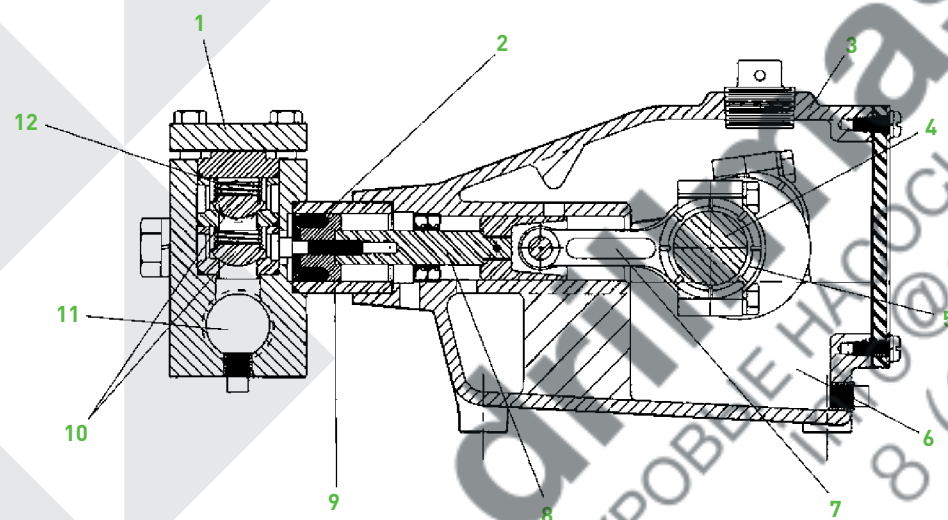
Product Capabilities, Specifications

| Catalog Number | Max. Rated Capacity | Max. Rated Pressure | Temp. Rating °F (°C) | Approx. Weight (lbs. (kg)) | Sizes in inches (mm) | | | | | |
|----------------|---------------------|-----------------------|----------------------|----------------------------|----------------------|-------------------|------------------|--------------------|-------------|----------------------------|
| | | | | | Cylinder Bore | Piston Stroke | Suction Size NPT | Discharge Size NPT | Input Shaft | Keyway |
| BXM6-15 | 8 gpm 30.3 lpm | 1500 psi 103.4 bar | 140 (60) | 60 (27.2) | 1 (25.4) | 1-1/16 (26.99) | 1 (25.4) | 1/2 (12.7) | 1 (25.4) | 1/4 x 1/8 (6.35 x 3.18) |

Note: Consult factory for applications outside of these recommendations.

Fluid End

1. **Body** – Steel monoblock optional aluminum-bronze.
2. **Piston Assembly** – Fabric reinforced nitrile V-ring with aluminum-bronze piston.
3. **Body** – Solid one-piece, cast iron crankcase. Acrylic window for oil level monitoring.
4. **Crankshaft** – Automotive-type ductile iron. Standard is right-hand drive. Left-hand drive available.
5. **Main Bearings** – Ball bearings for crankshaft.
6. **Continuous Splash Lubrication.**
7. **Connecting Links** – High-strength zinc alloy for durability.
8. **Crossheads** – High-strength zinc alloy.
9. **Cylinder Liners** – Alumina-ceramic.
10. **Valve Assemblies** – Three-piece stainless steel for less maintenance.
11. **Inlet** – 1" NPT both sides.
12. **Discharge** – 1/2" NPT both sides.



Horsepower Requirements

| BXM | | | | | | | | |
|--------------|-----|------------------------------------|--------------------|--------------------|--------------------|---------------------|---------------------|----------------------|
| GPM [LPM] | RPM | Horsepower required for psi [bar]: | | | | | | |
| | | 200 psi [14] | 400 psi [28] | 600 psi [42] | 800 psi [56] | 1000 psi [70] | 1200 psi [83] | 1500 psi [103] |
| 3 [11.4] | 300 | 0.4 | 0.9 | 1.3 | 1.8 | 2.2 | 2.7 | 3.3 |
| 4 [15.1] | 400 | 0.6 | 1.2 | 1.8 | 2.4 | 3.0 | 3.6 | 4.4 |
| 5 [18.9] | 500 | 0.7 | 1.5 | 2.2 | 3.0 | 3.7 | 4.4 | 5.6 |
| 6 [22.7] | 600 | 0.9 | 1.8 | 2.7 | 3.6 | 4.4 | 5.3 | *NR |
| 8 [30.3] | 700 | 1.0 | 2.1 | 3.1 | 4.2 | 5.2 | 6.2 | *NR |

*Not recommended. Consult factory for requirements beyond published performance data.
Power based on 85% mechanical efficiency. Displacement is based on 100% volumetric efficiency.



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Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.
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