

Air-Driven, High Pressure Liquid Pump

Series ASL100-01

Single-Acting, Single Piston Air Drive

Technical Data: Liquid Side Specifications

- Service: Oil, Water or Water/Oil mixture and other fluids depending on material compatibility
- Maximum Outlet Pressure: 15,000 psi (1034 bar)
- Air to Liquid Pressure Ratio: 1:113
- Volume Displacement Per Stroke: 0.52 in³ (8.5 cm³)
- Inlet Connection: 1/2" FNPT
- Outlet Connection: 1/2" FNPT

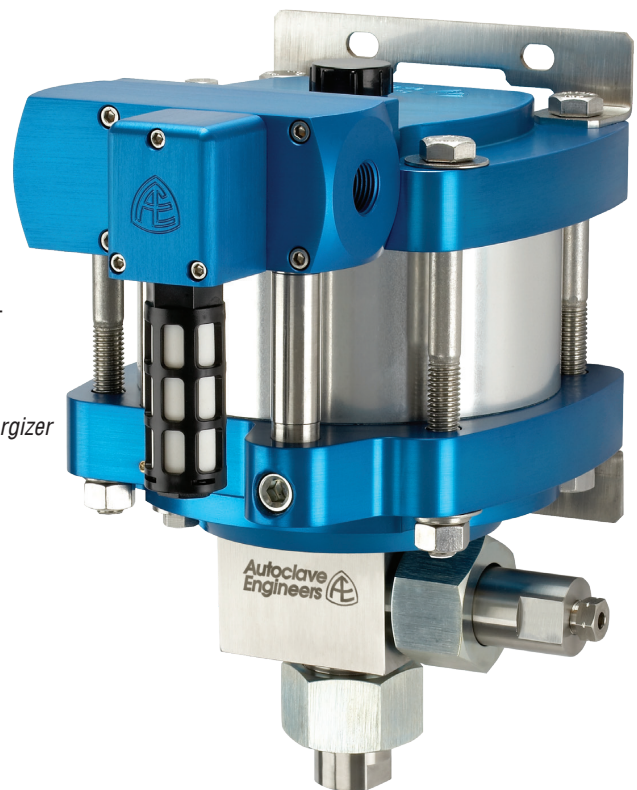
Technical Data: Air Side Specifications

- Air Drive Pressure Range: 15-150 psi (1-10 bar) *See note
- Nominal air pressure required for 15,000 psi (1034 bar) output pressure is 133 psi (9.2 bar)
- Inlet Port: 1/2" FNPT
- Pilot Port: 1/8" FNPT (unregulated air)
- Exhaust Port (muffler removed): 1/2" FNPT
- Max Air Consumption @ 90 psi: 64 SCFM
- Prelubricated at Factory

General Specifications

- Maximum Operating Temperature: 0-140° F (-18° to 60° C)
- Net Weight: 32 lbs. (14.5 kg)
- Net Weight: 41 lbs. (18.6 kg)
- Pressure Head: 15-5 PH Stainless Steel
- Stainless steel plunger utilizing a proprietary multi-layer carbon based coating with diamond like carbon exterior layer - 3 times the hardness of stellite with a coefficient of friction equal to/less than PTFE
- Check Valve Glands: 316 Stainless Steel
- Liquid Seal: UHMWPE U-Cup with Stainless Steel Spring Energizer
- Air Drive Seals: Buna N

Note: Maximum air drive pressure is limited by maximum output pressure.



MADE IN THE U.S.A.

Single-Acting, Single Piston Air Drive
Bottom Inlet Shown



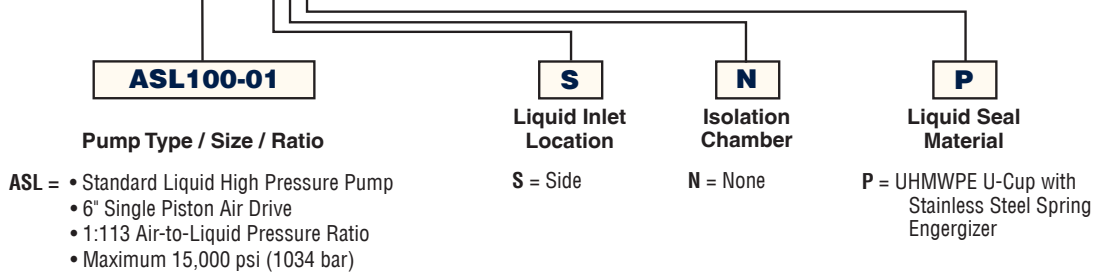
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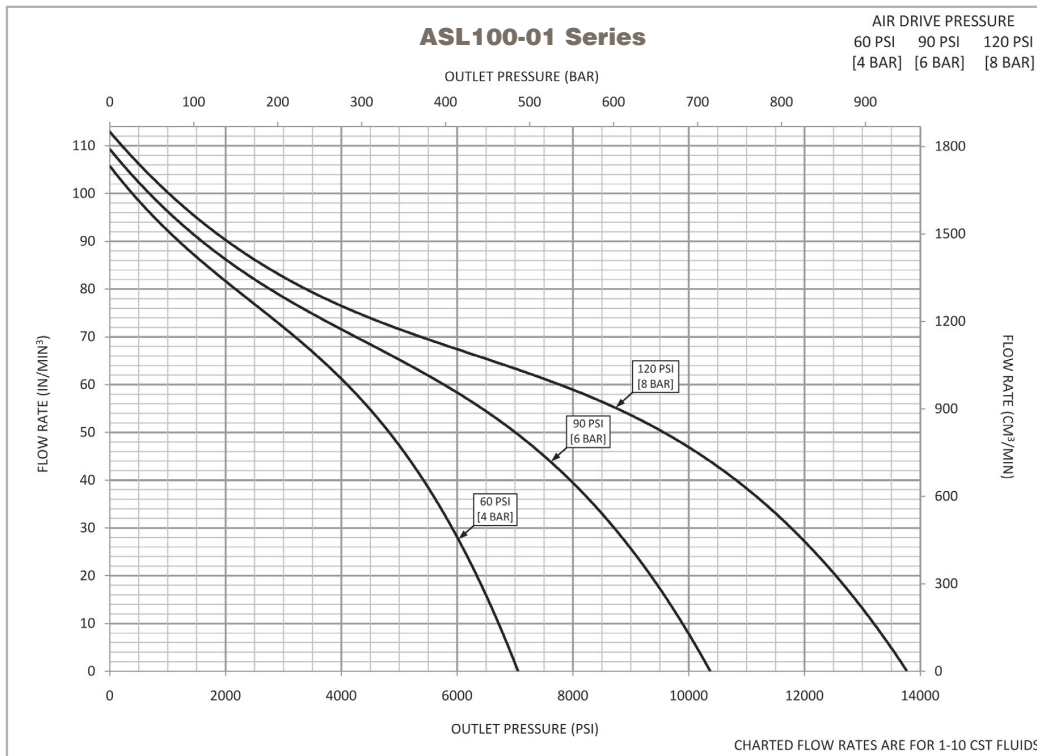
Ordering Guide:

For complete information on available pump options, contact Parker Autoclave Engineers.

Typical catalog number: **ASL100-01SNP**



Flow Rate vs. Outlet Pressure:



Actual flow rates will vary depending on air flow capacity, downstream flow restrictions, and fluid type.

Technical Specifications & Performance Data

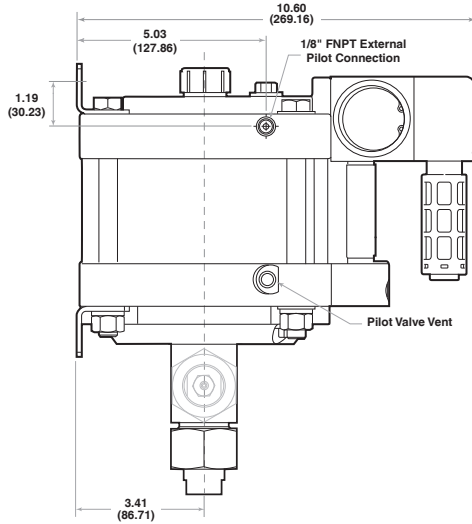
Air- Driven, High Pressure Liquid Pump - Series ASL100-01



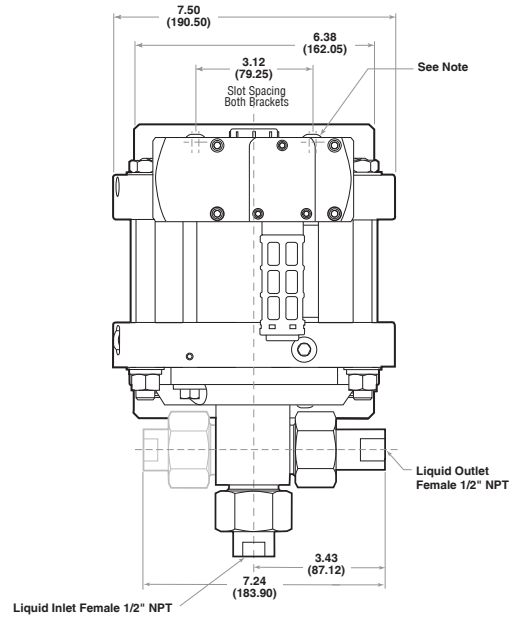
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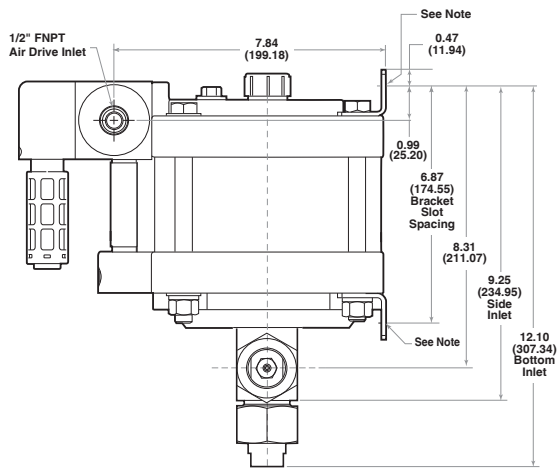
Dimensional Data:



Left View



Front View



Right View

Note:

Each Mounting Bracket includes (2) x 13/32" (10.32) Slots for 3/8" Bolts.
Bottom Inlet Pump Head and Side Inlet Pump Head are mutually exclusive.
All dimensions are for reference only and are subject to change without notice.
Primary Dimensions: Inches
Secondary Dimensions: (Millimeters)

Air-Driven, High Pressure Liquid Pump - Series AS1100-01

Technical Specifications & Performance Data