

MODEL 1731 PLUNGER PUMP



15.8 GPM | 1,500 PSI

Superior Corrosion Resistance in a Compact Footprint

Cat Pumps designs and builds products to the highest quality levels. Every last design detail is optimized for product life and performance. The new Model 1731 is no exception, introducing the first direct-driven stainless steel triplex pump capable of achieving an unequaled 15.8 gpm.

Cat Pumps engineers have built on the success of our brass Model 1730 and created the new Model 1731. 316 stainless steel manifolds and internal components provide superior corrosion resistance, and multiple seal configurations provide further compatibility across a wide range of fluids. We have optimized every detail to produce an innovative pump design with excellent service life.

With a bell housing, the Model 1731 easily attaches to a “C” face motor (1750 rpm), allowing for a space-saving footprint. Bell housings are available for NEMA or IEC motor applications. And being direct-driven, it’s simple to install and maintain since there are no belts, pulleys or baseplates.

Designed for continuous-duty applications, the Model 1731 is what industry leaders demand — a dependable, high-quality product backed by world-class customer service, training and support.

Typical Applications

- Salt and Brackish Water Desalination (SWRO)
- Leachate Treatment
- Gas Turbine Cooling
- Industrial Wastewater Treatment and Reclamation
- Food Processing
- Water Treatment

Direct-Drive Features

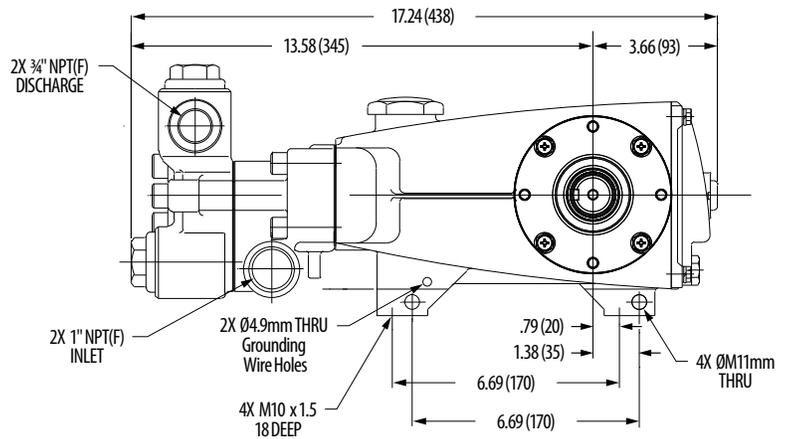
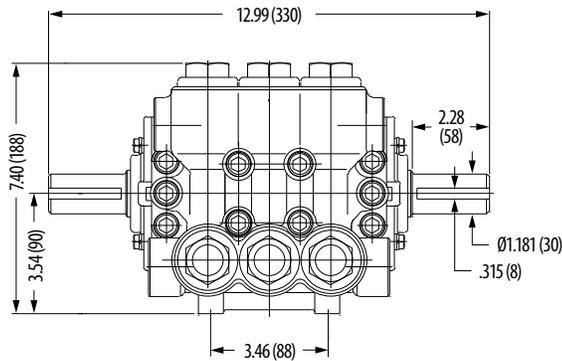
- Ease of assembly reduces time and labor costs
- Compact direct mounting reduces space requirement
- Eliminates belt selection, sizing and adjustment
- Bell housings are cast from lightweight, high-strength aluminium alloy

Specifications

	U.S. MEASURE	METRIC MEASURE
Flow	15.8 gpm	59.8 lpm
Pressure	1500 psi	103 bar
Pump RPM*	1750 rpm	1750 rpm
Inlet Pressure Range	Flooded to 70 psi	Flooded to 4.8 bar
Max Liquid Temperature	140° F	60° C
Inlet Ports (2)	1" NPT(F)	1" NPT(F)
Discharge Ports (2)	¾" NPT(F)	¾" NPT(F)
Weight	55 lbs	24.9 kg
Dimensions	17.24 x 12.99 x 7.40"	438 x 330 x 188 mm

*Pump minimum is 100 RPM.

Dimensions



Popular Accessories



Regulator

PN 7022.100
2.5–25 gpm
500–2000 psi



Pop-off Valve

PN 9941
0–25 gpm
1000–4000 psi



Pressure Gauge

PN 6097
0–3000 psi



Pulsation Dampener

PN 6014
Up to 25 gpm
0–2400 psi
NBR Diaphragm



Crankcase Oil

PN 6107
21 oz Bottle
Specially-Formulated
for Extended Protection



CAT PUMPS

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