

1" Land Pressure Regulator

Series L20415

Features

- ▶ Original Shear-Seal® technology
- ▶ Self adjusting
- ▶ High flow capacity
- ▶ Large regulated pressure range
- ▶ Tolerates contaminated media
- ▶ Fail-safe motor control options
- ▶ Self venting

Applications

- ▶ Coiled tube reels
- ▶ Land-based oil drilling controls
- ▶ BOP control units
- ▶ Pressure sensitive applications



General Specifications*

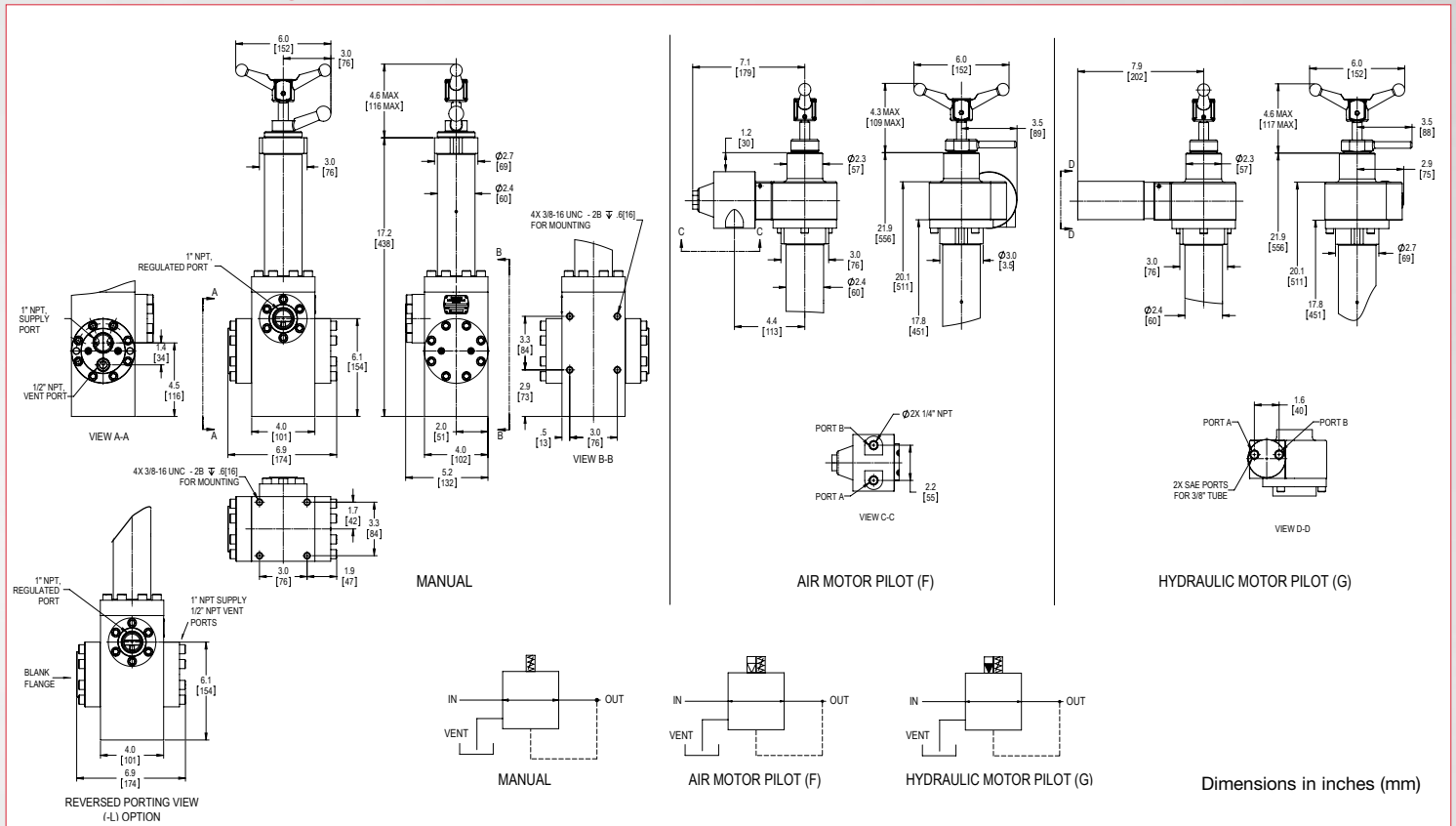
Pressure: Supply/Inlet Pressures: 3,000 psi (207 bar) 5,000 psi (345 bar) Regulated Pressure Range at 3,000 psi Supply Pressure: High Sensitivity: 300 - 1600 psi (21 -110 bar) Full Range: 300 - 2800 psi (21- 193 bar) Regulated Pressure Range at 5,000 psi Supply Pressure: High Sensitivity: 500 - 1600 psi (34 -110 bar) Full Range: 500 - 3000 psi (34 - 207 bar) Media: Hydraulic Oil Fluid Temperature Range: -30° to +185°F (-34° to +85°C) Inlet Proof Pressure: 7,500 psi (517 bar) Case Proof Pressure: 4,500 psi (310 bar)	Materials of Construction: Body, Flanges, & Spring Housing: Phosphate coated carbon steel/ ductile iron Slide, Inlet, Vent, & Blocking Plates: 400 Series stainless steel Hardware: Plated alloy steel, 300 series stainless steel O'ring Material: Buna N Backup Ring Material: PTFE
Flow: Flow Rate: 70 GPM (@ 50 ft/s) Cv Inlet: 9.2 Cv Vent: 0.6	Pneumatic Pilot Motor ("F" prefix): Pilot Motor Working Pressure: 80 - 120 psi (5.5 - 8.3 bar) Porting A & B: 1/4" NPT Operating Temperature Range: -30° to +185°F (-34° to +85°C)
Porting: Supply: 1" NPT Standard, SAE Optional Outlet (regulated): 1" NPT Standard, SAE Optional Vent: 1/2" NPT Standard, SAE Optional	Hydraulic Pilot Motor ("G" prefix): Pilot Motor Working Pressure: 400 - 1600 psi (6.9 - 110 bar) Porting A & B: SAE for 3/8" Tube (Size -6) Operating Temperature Rating: -30° to +185°F (-34° to +85°C)
	Approximate Shipping Weight: Manual Unit: 50 lbs. (22.6 kg) Pneumatic Motor Unit: 73 lbs. (34 kg) Hydraulic Motor Unit: 70 lbs. (31.8 kg)

* See product configurator for additional options.

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Technical Drawings



Product Configurator

Example: **L** **20415S6HQ2**

L Land Pressure Regulator

Adjustment Method

Blank	Manual
F	Pneumatic failsafe motor
G	Hydraulic failsafe motor

Series

20415S6HQ2 1" Land pressure regulator (3/4" full flow regulator)

Options

Blank	NPT porting
-MS	SAE porting
-L ¹	Reversed porting
-BP	Bypass Function

Regulated Pressure Range

		Inlet Pressure	Regulated Range
Blank	High sensitivity	3000 psi	300 - 1600 psi (21 - 110 bar)
		5000 psi	500 - 1600 psi (34 - 110 bar)
-1	Full range	3000 psi	300 - 2800 psi (21 - 193 bar)
		5000 psi	500 - 3000 psi (34 - 207 bar)



Note:

1. Supply/Vent ports installed on right side of regulated port. Blank flange installed on left side of regulated port.