

## 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\*

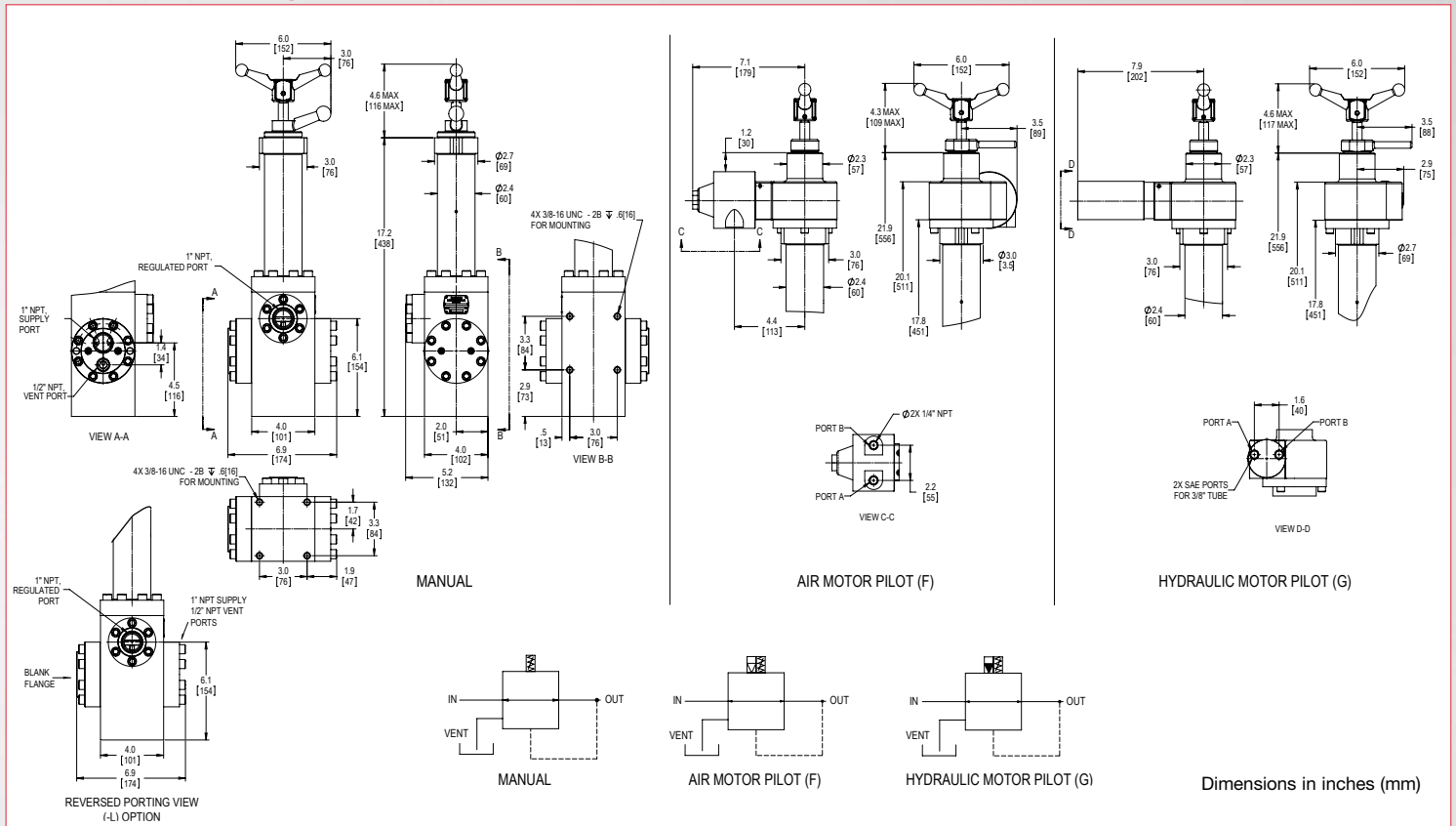
<b>Pressure:</b> Supply/Inlet Pressures: 3,000 psi (207 bar) 5,000 psi (345 bar)  Regulated Pressure Range at 3,000 psi Supply Pressure: High Sensitivity: 300 - 1600 psi (21 -110 bar) Full Range: 300 - 2800 psi (21- 193 bar)  Regulated Pressure Range at 5,000 psi Supply Pressure: High Sensitivity: 500 - 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)	<b>Materials of Construction:</b> 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
<b>Flow:</b> Flow Rate: 70 GPM (@ 50 ft/s)  Cv Inlet: 9.2  Cv Vent: 0.6	<b>Pneumatic Pilot Motor ("F" prefix):</b> 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)
<b>Porting:</b> Supply: 1" NPT Standard, SAE Optional  Outlet (regulated): 1" NPT Standard, SAE Optional  Vent: 1/2" NPT Standard, SAE Optional	<b>Hydraulic Pilot Motor ("G" prefix):</b> 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)
	<b>Approximate Shipping Weight:</b> 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 <sup>1</sup>	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.