

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*

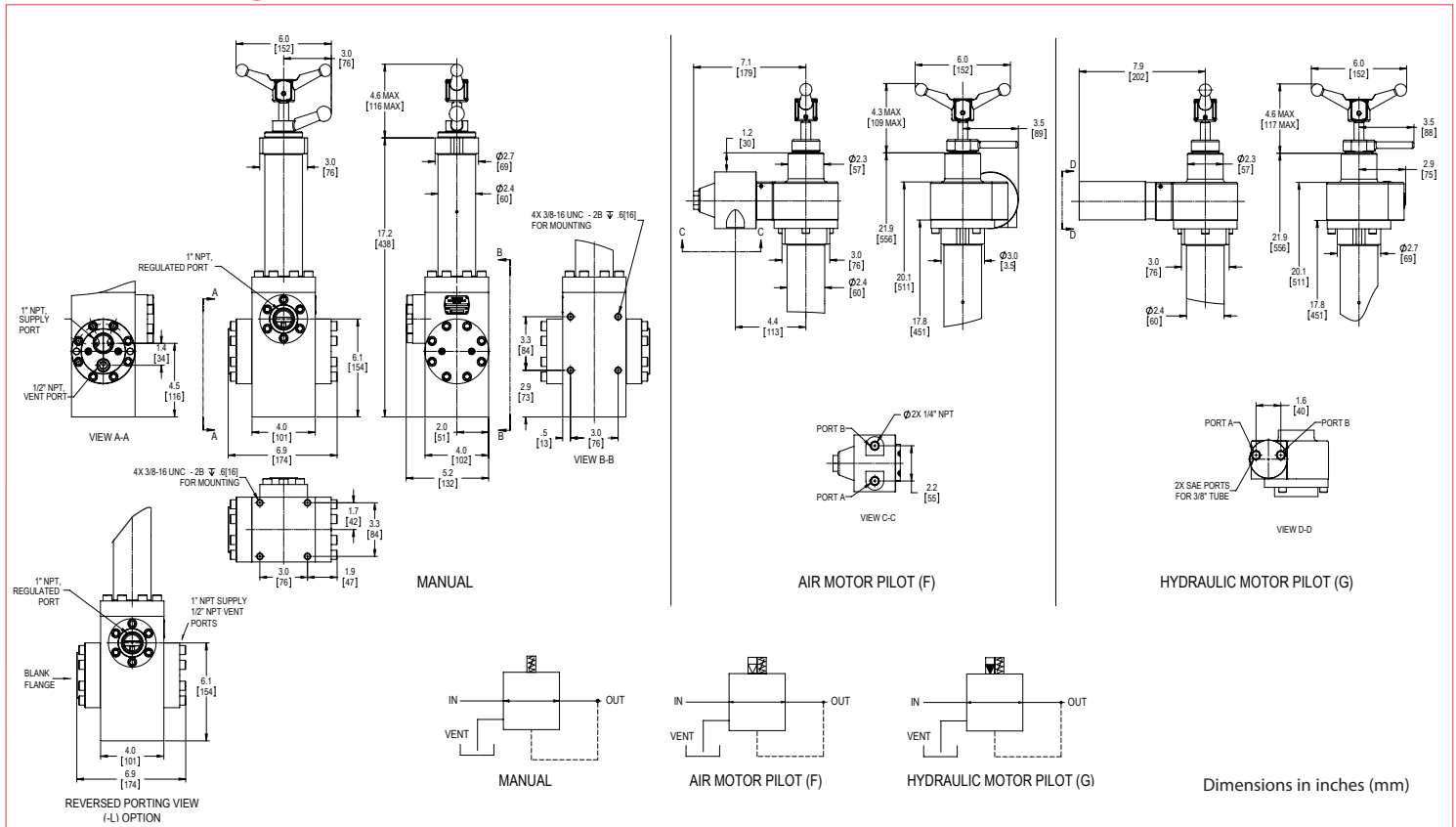
Pressure: Supply/Inlet Pressures:	3,000 psi (207 bar) 5,000 psi (345 bar)	Materials of Construction: Body, Flanges, & Spring Housing:	Phosphate coated carbon steel/ ductile iron
Regulated Pressure Range at 3,000 psi Supply Pressure: High Sensitivity: Full Range:	300 - 1600 psi (21 -110 bar) 300 - 2800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

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

Regulated Pressure Range

		Inlet Pressure	Regulated Range
		3000 psi	5000 psi
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:

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