

1-½" Land Pressure Regulator

Series L20517

Features

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

Applications

- ▶ Land-based oil drilling controls
- ▶ BOP control units
- ▶ Pressure sensitive equipment



General Specifications*

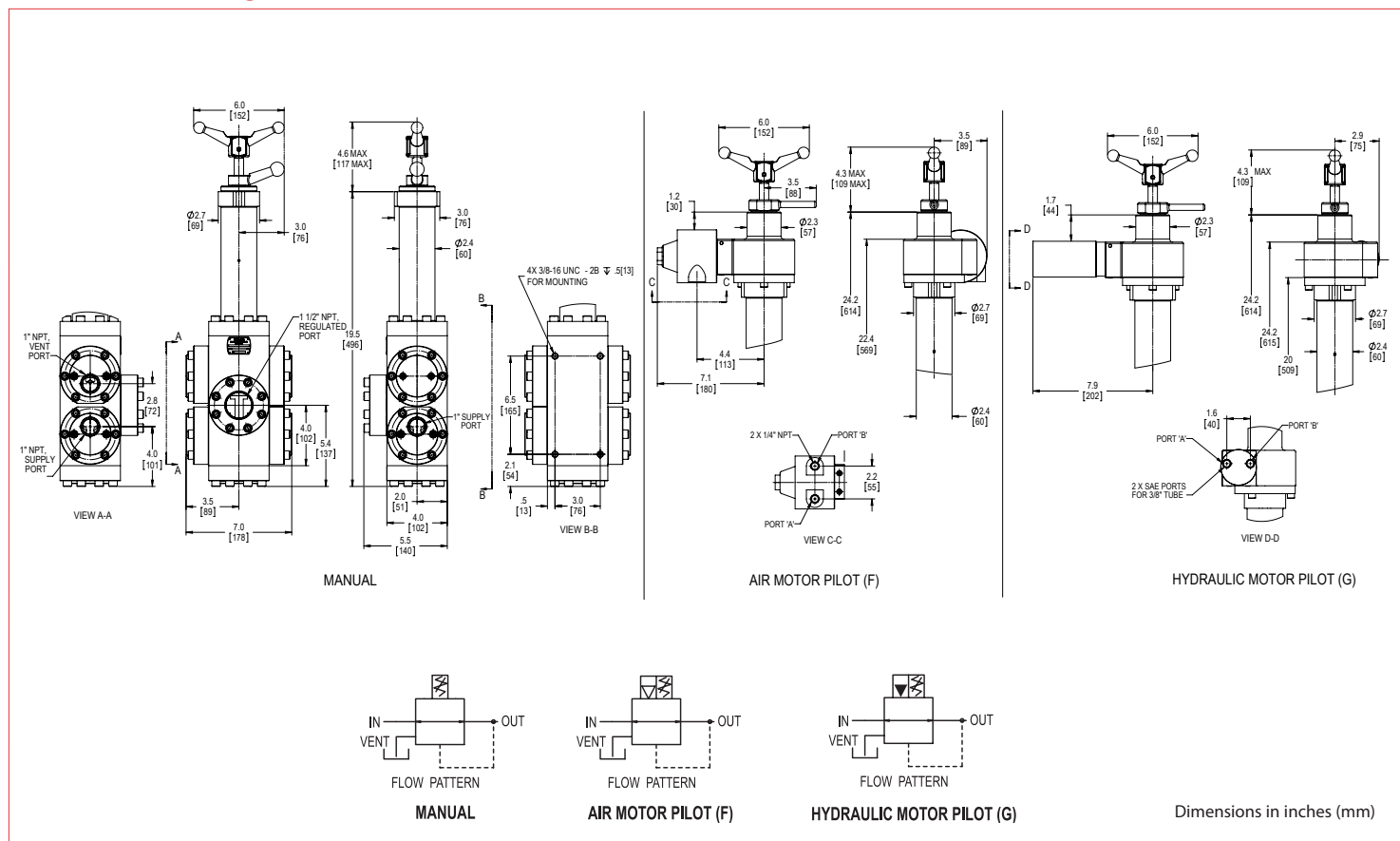
Pressure: Supply/Inlet Pressures:	3,000 psi (207 bar) 5,000 psi (345 bar)	Materials of Construction: Body, Flanges, & Spring Housing:	Phosphate coated carbon steel/ ductile iron
Regulated Pressure Range at 3,000 psi Supply Pressure: High Sensitivity: Full Range:	300 - 1600 psi (21 - 110 bar) 300 - 2800 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: Backup Ring Material:	Buna N PTFE
Fluid Temperature Range:	-30° to +185°F (-34° to +85°C)	Socket Head Screws:	Zinc plated alloy steel (std.)
Inlet Proof Pressure:	7,500 psi (517 bar)	Wetted Parts:	Stainless steel
Case Proof Pressure:	4,500 psi (310 bar)	Pneumatic Pilot Motor ("F" prefix): Pilot Motor Working Pressure:	80 - 120 psi (5.5 - 8.3 bar)
Flow: Flow Rate:	120 GPM (@ 50 ft/s)	Porting A & B:	1/4" NPT
Cv Inlet:	17.5	Operating Temperature Range:	-30° to +185°F (-34° to +85°C)
Cv Vent:	1.6	Hydraulic Pilot Motor ("G" prefix): Pilot Motor Working Pressure:	400 - 1600 psi (6.9 - 110 bar)
Porting: Supply 1:	1" NPT Standard, SAE Optional	Porting A & B:	SAE for 3/8" Tube (Size -6)
Supply 2:	1" NPT Standard, SAE Optional	Operating Temperature Rating:	-30° to +185°F (-34° to +85°C)
Outlet (Regulated):	1-1/2" NPT Standard, SAE Optional	Approximate Shipping Weight: Manual Unit:	70 lbs. (31.8 kg)
Vent:	1" NPT Standard, SAE Optional	Pneumatic Motor Unit:	90 lbs. (40.8 kg)
		Hydraulic Motor Unit:	90 lbs. (40.8 kg)

* See product configurator for additional options.

1-1/2" Land Pressure Regulator

Series L20517

Technical Drawings



Product Configurator

Example:	L		20517S6HQ2		
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L Land pressure regulator

Adjustment Method

Blank	Manual
F	Pneumatic failsafe motor
G	Hydraulic failsafe motor

Series

20517S6HQ2 1-1/2" Land pressure regulator

Option

Blank	NPT porting
-MS	SAE 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)

