

1" Pressure Regulator

Series 20415

Features

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

Applications

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



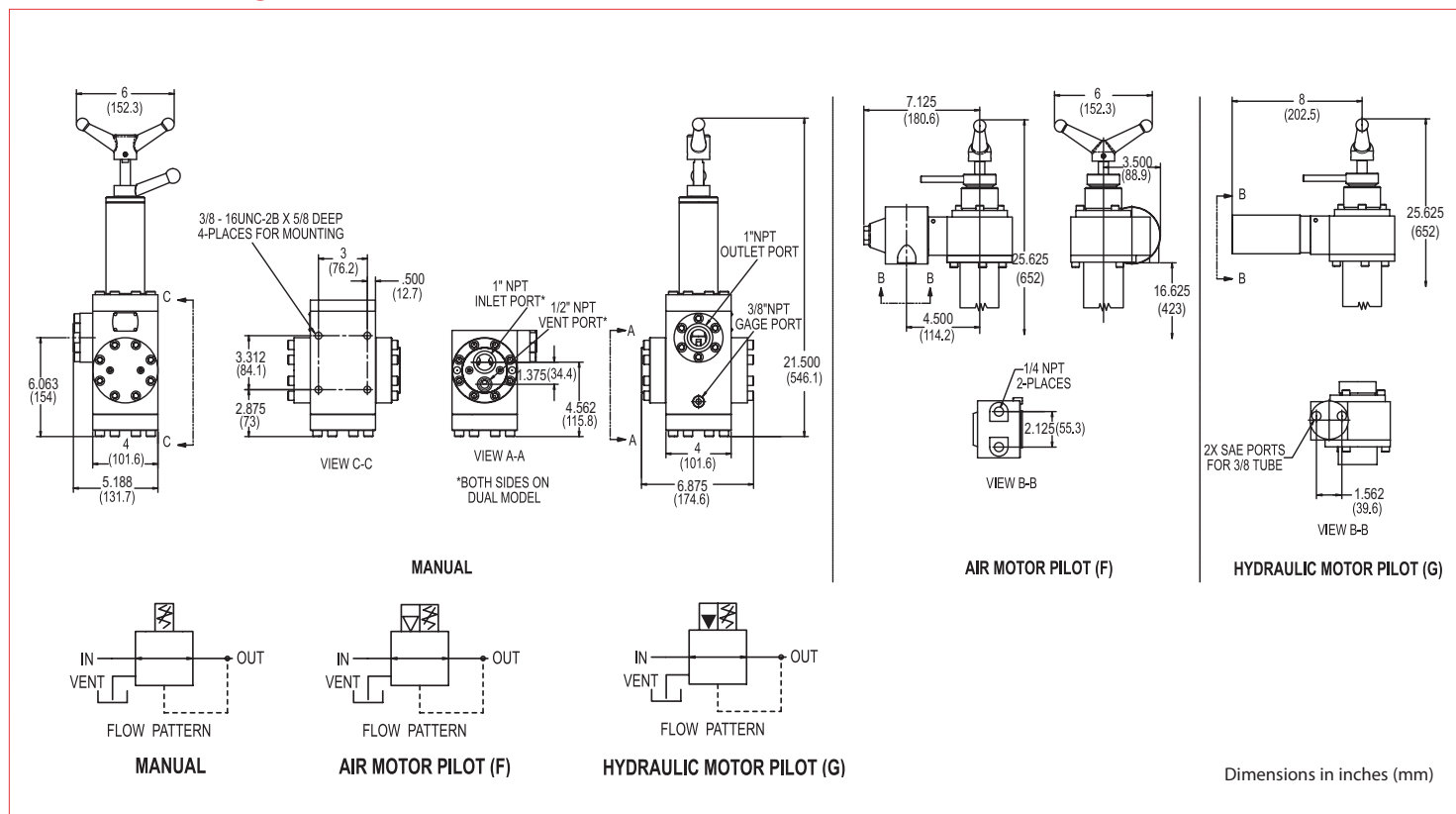
General Specifications*

Pressure: Supply/Inlet Pressure:	3,000 psi (207 bar)	Materials of Construction: Body:	Stainless steel (std.)
Regulated Pressure Range: High Sensitivity Full Range	500 - 1600 psi (34 - 110 bar) 500 - 2800 psi (34 - 193 bar)	Flanges:	Phosphate coated alloy steel (std.) Option: Stainless steel
Media:	Hydraulic oil or lubricated water	Spring Tower: Manual Pneumatic Motor Model Hydraulic Motor Model	Stainless steel (std.) Painted alloy steel (std.) Painted alloy steel (std.) Option: Stainless steel
Fluid Temperature Range:	-30° to +250°F (-40° to +121°C)	Standard O'ring Material:	Buna N
Proof Pressure:	4,500 psi (310 bar)	Socket Head Screws:	Zinc plated alloy steel (std.) Option: Stainless steel
Flow: Flow Rate:	70 GPM (@ 50 ft/s)	Wetted Parts:	Stainless steel & bronze
Cv Inlet:	9.8	Pneumatic Pilot Motor ("F" prefix): Pilot Motor Working Pressure:	80 - 120 PSI (5.5 - 8.3 bar)
Cv Vent:	0.6	Porting A & B:	1/4" NPT
Porting: Inlet 1:	1" NPT Standard, SAE Optional	Operating Temperature Range:	32° to +250°F (0° to +120°C)
Outlet (regulated):	1" NPT Standard, SAE Optional	Hydraulic Pilot Motor ("G" prefix): Pilot Motor Working Pressure:	400 - 1600 PSI (6.9 - 110 bar)
Vent:	1/2" NPT Standard, SAE Optional	Porting A & B:	SAE for 3/8" Tube (Size -6)
Gauge Port:	3/8" NPT Standard, SAE Optional	Operating Temperature Rating:	-40° to +250°F (-40° to +121°C)
		Approximate Shipping Weight: Manual:	47 lbs. (21.3 kg)
		Pneumatic or Hydraulic Motor:	70 lbs. (31.8 kg)

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Technical Drawings



Product Configurator

Example:	20415S3WQ2		
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Adjustment Method

Blank	Manual
F	Pneumatic failsafe motor
G	Hydraulic failsafe motor

Series

20415S3WQ2	1" Pressure regulator (3/4" full flow regulator)
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Option

Blank	NPT porting
-MS	SAE porting
-SS	Stainless steel flanges & trim
-L ¹	Reversed porting

Regulated Pressure Range (Manual & Hydraulic)		
Blank	High sensitivity	500 - 1600 psi (34 - 110 bar)
-1	Full range	500 - 2800 psi (34 - 193 bar)
Regulated Pressure Range (Pneumatic motor)		
Blank	High sensitivity	500 - 1500 psi (34 - 103 bar)
-1	Full range	500 - 2800 psi (34 - 193 bar)



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