

1" Increased Sensitivity Pressure Regulator

Series 20495

Features

- ▶ Original Shear-Seal® technology
- ▶ Ultra flow regulator
- ▶ API compliant for sensitivity
- ▶ Fail-safe motor control options
- ▶ Tolerates contaminated media
- ▶ Self venting
- ▶ Surge dampening



Applications

- ▶ Coiled tube reels
- ▶ Land-based and offshore oil drilling controls
- ▶ Wireline service tractors
- ▶ Pressure sensitive applications

General Specifications*

Pressure:	
Supply/Inlet Pressure:	5,000 psi (345 bar)
Regulated Pressure Range:	
High Sensitivity	500 - 1800 PSI 34 - 124 bar
Full Range	500 - 3300 PSI (34 - 228 bar)
Regulated Pressure Range	
"F" Prefix Pneumatic failsafe motor:	
High Sensitivity	500 - 1800 PSI (34 - 124 bar)
Full Range	500 - 3000 PSI (34 - 207 bar)
Regulated Pressure Range	
"G" Prefix Hydraulic failsafe motor:	
High Sensitivity	500 - 1800 PSI (34 - 124 bar)
Full Range	500 - 3000 PSI (34 - 207 bar)
Fluid Temperature Range:	-40° to +250°F (-40° to +121°C)
Proof Pressure:	7,500 psi (517 bar)
Flow:	
Flow Rate:	90 GPM (@ 50 ft/s)
Cv Inlet:	9.8
Cv Vent:	0.7
Porting:	
Inlet 1:	1" NPT Standard, SAE Optional
Outlet (regulated):	1" NPT Standard, SAE Optional
Vent:	1/2" NPT Standard, SAE Optional
Gauge Port:	3/8" NPT Standard, SAE Optional

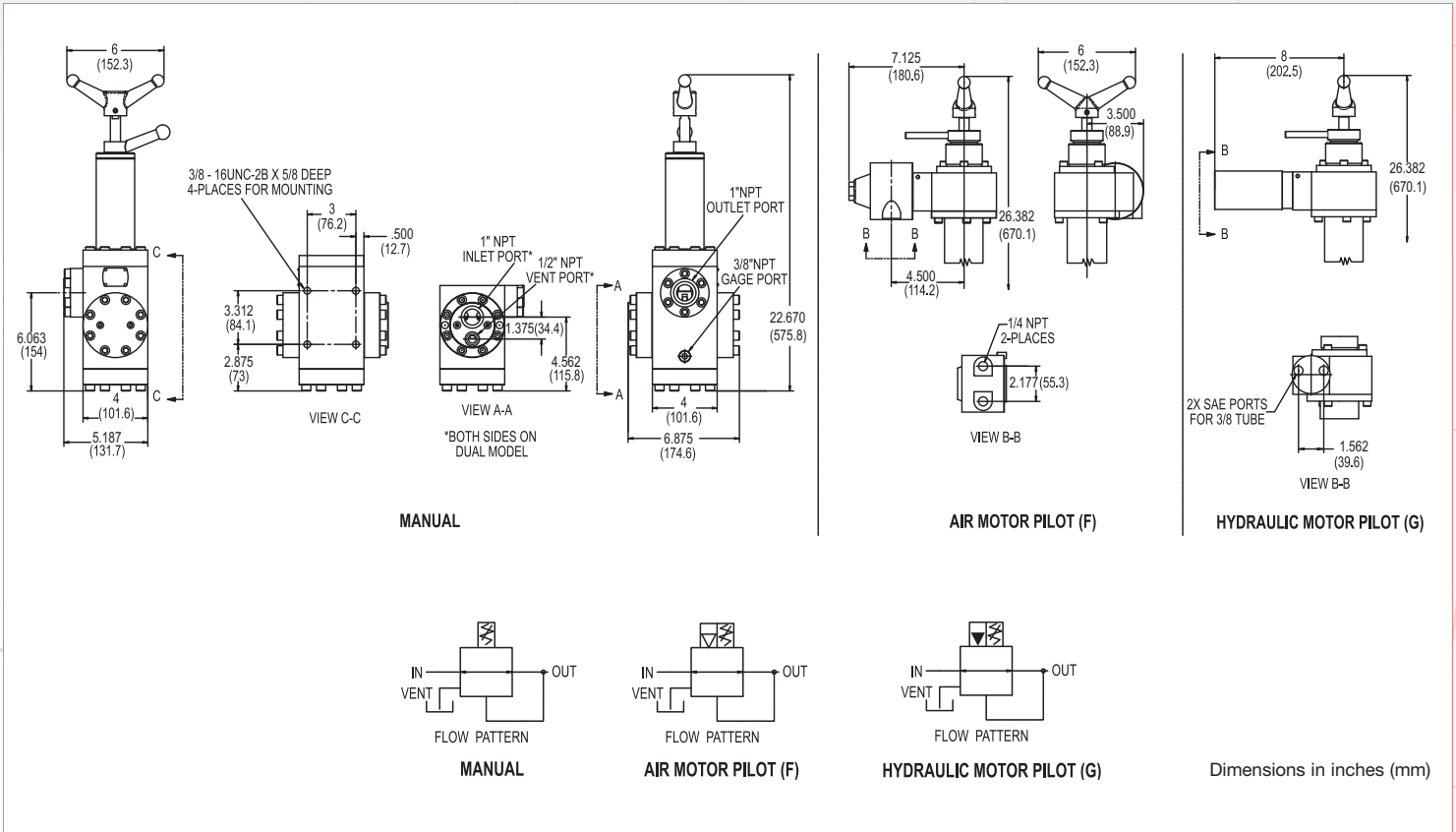
Materials of Construction:	
Body:	Stainless steel (standard)
Flanges:	Phosphate coated alloy steel (std.) Option: Stainless steel
Spring Tower:	
Manual	Phosphate coated alloy steel (std.)
Pneumatic Motor model	Painted alloy steel (std.)
Hydraulic Motor model	Painted alloy steel (std.) Option: Stainless steel
Standard O'ring Material:	Buna N
Socket Head Screws:	Zinc plated alloy steel (std.) Option: Stainless steel
Wetted Parts:	Stainless steel & bronze
Pneumatic Pilot Motor ("F" prefix):	
Pilot Motor Working Pressure:	80 - 120 PSI (5.5 - 8.3 bar)
Porting:	1/4" NPT
Operating Temperature Range:	32° to +250°F (0° to +120°C)
Hydraulic Pilot Motor ("G" prefix):	
Pilot Motor Working Pressure:	400 - 1600 PSI (6.9 - 110 bar)
Porting:	SAE for 3/8" Tube (Size -6)
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)

* See product configurator for additional options.

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Technical Drawings



Product Configurator

Example:

Adjustment Method

Blank	Manual
F	Pneumatic failsafe motor
G	Hydraulic failsafe motor

Series

20495S6WQ2	1" Pressure regulator (3/4" full flow regulator)
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Option

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

Regulated Pressure Range (Manual)

Blank	High sensitivity	500 - 1800 psi (34 - 124 bar)
-1	Full range	500 - 3300 psi (34 - 228 bar)

Regulated Pressure Range (Failsafe) F & G Models

Blank	High sensitivity	500 - 1800 psi (34 - 124 bar)
-1	Full range	500 - 3000 psi (34 - 207 bar)

