

# Valves

## 1" Increased Sensitivity Pressure Regulator

Series 20495

### Features

- ▶ Original Shear-Seal® technology
- ▶ Ultra flow regulator
- ▶ 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\*

<p><b>Pressure:</b> Supply/Inlet Pressure: 5,000 psi (345 bar)</p> <p>Regulated Pressure Range: High Sensitivity 500 - 1800 psi (34 - 124 bar) Full Range 500 - 3300 psi (34 - 228 bar)</p> <p>Regulated Pressure Range “F” Prefix Pneumatic failsafe motor: High Sensitivity 500 - 1800 psi (34 - 124 bar) Full Range 500 - 3000 psi (34 - 207 bar)</p> <p>Regulated Pressure Range “G” Prefix Hydraulic failsafe motor: High Sensitivity 500 - 1800 psi (34 - 124 bar) Full Range 500 - 3000 psi (34 - 207 bar)</p> <p>Fluid Temperature Range: -40° to +250°F (-40° to +121°C)</p> <p>Proof Pressure: 7,500 psi (517 bar)</p>	<p><b>Materials of Construction:</b> Body: Stainless steel (standard)</p> <p>Flanges: Phosphate coated alloy steel (std.) Option: Stainless steel</p> <p>Spring Tower: Manual Stainless steel (std.) Pneumatic Motor model Phosphate coated alloy steel (std.) Hydraulic Motor model Phosphate coated alloy steel (std.)</p> <p>Standard O’ring Material: Buna N</p> <p>Socket Head Screws: Stainless steel (std.)</p> <p>Wetted Parts: Stainless steel</p>
<p><b>Flow:</b> Flow Rate: 90 GPM (@ 50 ft/s)</p> <p>Cv Inlet: 9.8</p> <p>Cv Vent: 0.7</p>	<p><b>Pneumatic Pilot Motor (“F” prefix):</b> Pilot Motor Working Pressure: 80 - 120 psi (5.5 - 8.3 bar)</p> <p>Porting: 1/4” NPT</p> <p>Operating Temperature Range: 32° to +250°F (0° to +120°C)</p>
<p><b>Porting:</b> Inlet 1: 1” NPT Standard, SAE Optional</p> <p>Outlet (regulated): 1” NPT Standard, SAE Optional</p> <p>Vent: 1/2” NPT Standard, SAE Optional</p> <p>Gauge Port: 3/8” NPT Standard, SAE Optional</p>	<p><b>Hydraulic Pilot Motor (“G” prefix):</b> Pilot Motor Working Pressure: 400 - 1600 psi (6.9 - 110 bar)</p> <p>Porting: SAE for 3/8” Tube (Size -6)</p> <p>Operating Temperature Rating: -40° to +250°F (-40° to +121°C)</p>
	<p><b>Approximate Shipping Weight:</b> Manual: 47 lbs. (21.3 kg)</p> <p>Pneumatic or Hydraulic Motor: 70 lbs. (31.8 kg)</p>

\* See product configurator for additional options.