3/4" Full Flow Regulator   *Model 20415*

Features

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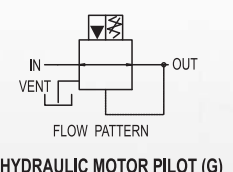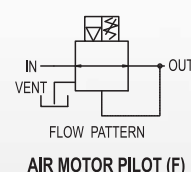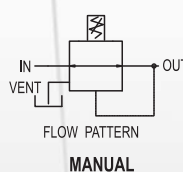▶ Fail-safe motor control options
▶ Self venting

Applications

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

"G"

General Specifications*

Pressure:	
Supply/Inlet Pressure:	5,000 psi (345 bar)
Regulated Pressure Range (manual):	300-3000 psi (21 - 207 bar)
Regulated Pressure Range (failsafe motor):	500-2400 psi (34 - 165 bar)
Fluid Temperature Range:	-40° to +250°F (-40° to +121°C)
Proof Pressure:	7,500 psi (517 bar)
Burst Pressure:	12,500 psi (862 bar)
Flow:	
Flow Rate:	70 GPM
Outlet Cv:	9.8
Vent Cv:	0.6
Porting:	
Inlet:	1" NPT
Outlet (regulated):	1" NPT
Vent:	1/2" NPT
Gauge Port:	3/8" NPT
Materials of Construction:	
Body:	Stainless steel
Flanges:	Phosphate coated alloy steel (stainless steel optional)
Housing:	Phosphate coated alloy steel

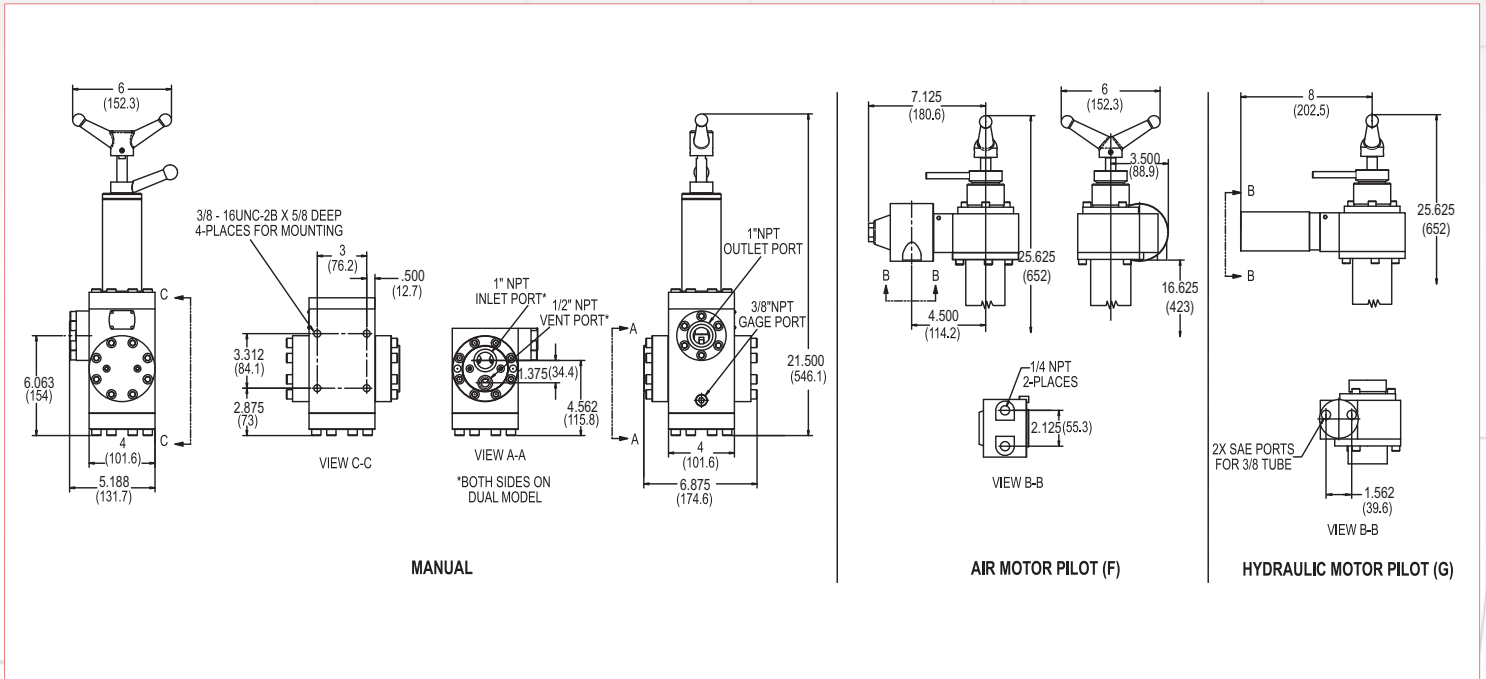| Materials of Construction (cont.):	
Standard O'Ring material:	Buna N
Socket Head Screws:	Zinc plated alloy steel (stainless steel optional)
Wetted Parts:	Stainless steel
Pneumatic Pilot Motor ("F" prefix):	
Pilot Motor Working Pressure:	80-100 psi (5.5-6.9 bar)
Porting:	1/4" NPT
Operating Temperature Range:	40°-220°F (4°-104°C)
Hydraulic Pilot Motor ("G" prefix):	
Pilot Motor Working Pressure:	400-1650 psi (27.5 - 114 bar)
Porting:	SAE for 3/8" tube (Size 6)
Temperature Rating:	-40° to +150°F (-40° to +66°C)
Approximate Shipping Weights:	
Manual Set:	47 lbs. (21.3 kg)
Air or Hydraulic Failsafe	70 lbs. (31.8kg)

* See product configurator for additional options.

IN / VENT / OUT
FLOW PATTERN
MANUAL

IN / VENT / OUT
FLOW PATTERN
AIR MOTOR PILOT (F)

IN / VENT / OUT
FLOW PATTERN
HYDRAULIC MOTOR PILOT (G)

Barksdale
CONTROL PRODUCTS
CRANE. Barksdale, Inc./Barksdale GmbH
A Subsidiary of Crane Co.

Technical Drawings

MANUAL

AIR MOTOR PILOT (F)

HYDRAULIC MOTOR PILOT (G)

Product Configurator

| Example: | | 20415S3WQ2 | |

Adjustment Method

	Manual
F	Pneumatic failsafe motor
G	Hydraulic failsafe motor

Series

| 20415S3WQ2 | 3/4" Shear-Seal regulator |

Regulated Pressure Range

| | 300-1500 psi (21-103 bar) or 500-3000 psi (34-207 bar) for motor actuated models |
| -1 | 1500-3000 psi (103-207 bar) - manuavl only |