1/2" Heavy Duty Hydraulic Regulator   *Series 20313*

Features

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

Applications

- ▶ BOP Control Units
- ▶ Coiled tube reels
- ▶ Oil and gas systems
- ▶ Pressure sensitive applications

General Specifications*

Pressure:	
Supply/Inlet Pressure:	5,000 psi (345 bar)
Regulated Pressure Range:	
High Sensitivity	300 - 1600 psi (21 -110 bar)
Full Range	300 - 3000 psi (21 - 207 bar)
Regulated Pressure Range "F" Prefix Pneumatic failsafe motor:	
High Sensitivity	300 - 1600 psi (21 -110 bar)
Full Range	300 - 3000 psi (21 - 207 bar)
Regulated Pressure Range "G" Prefix Hydraulic failsafe motor:	
High Sensitivity	300 - 1600 psi (21 -110 bar)
Full Range	300 - 3000 psi (21 - 207 bar)
Fluid Temperature Range:	-40° to +250°F (-40° to +121° C)
Proof Pressure:	7,500 psi (517 bar)

Flow:	
Flow Rate:	45 GPM (@ 50/ft/s)
Cv Inlet:	6.7
Cv Vent:	6.7

Porting:	
Inlet:	1/2" NPT Standard, SAE Option
Outlet:	1/2" NPT Standard, SAE Option
Vent:	1/2" NPT Standard, SAE Option
Bleed Port:	1/4" Dia. hole

Materials of Construction:	
Body:	Stainless steel (standard)
Flanges:	Stainless steel (standard)
Spring Tower Housing:	
Manual	Phosphate coated alloy steel (std.)
Pneumatic Motor model	Phosphate coated alloy steel (std.)
Hydraulic Motor model	Phosphate coated alloy steel (std.)
Standard O'ring Material:	Buna N
Socket Head Screws:	Stainless steel (standard)
Wetted Parts:	Stainless steel

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 Range:	-40° to +250°F (-40° to +121°C)

Approximate Shipping Weight:	
Manual:	21 lbs. (9.5 kg)
Pneumatic or Hydraulic Motor:	44 lbs. (20.0 kg)

* See product configurator for additional options.

Barksdale
CONTROL PRODUCTS

CRANE. Barksdale, Inc./Barksdale GmbH
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