

CAT # 3105-000/USA

## Pressure Reducing Spool Series PRS102

### Pressure Reducing Spool

#### Application

The PRS102 Pressure Reducing Spool can be used in conjunction with remote control valves such as an RD101 to create complex reducing valve functions.

#### Operation

When pressure on the regulated port exceeds the setting of the remote control valve, the valve throttles or closes to maintain constant downstream pressure. Any adjustment in the regulated pressure setting must be done at the remote control valve as the PRS102 is not adjustable. Once the pressure in the vent line falls below the reseal pressure of the remote pilot valve or the control valve is closed, the PRS102 returns to a full open position.

#### Features

- Hardened parts for long life
- Cartridge design

#### Installation Data

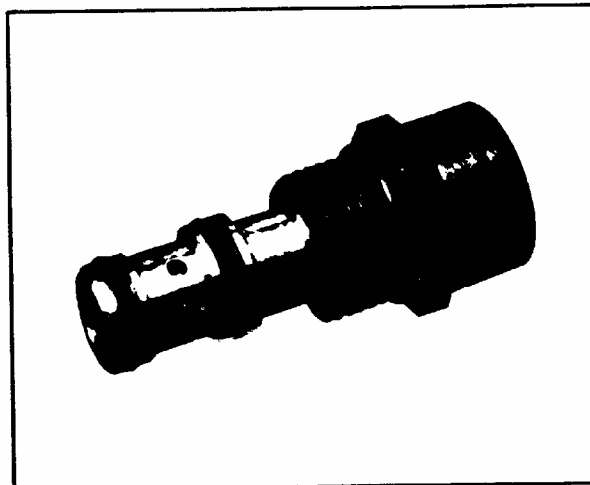
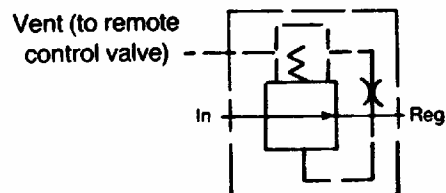
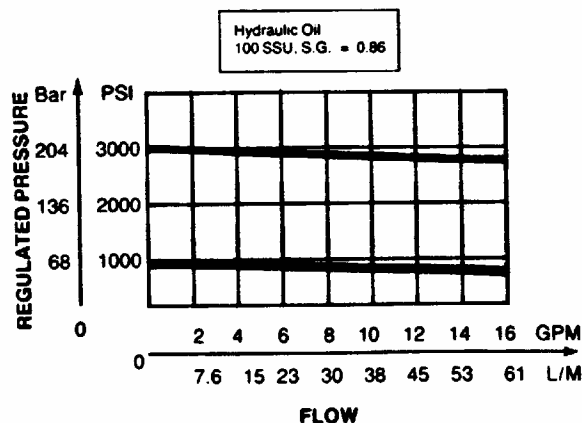
See the Installation Information section of this catalog for specific recommendations pertaining to system cleanliness, fluids, seals and other important factors relative to the proper installation and use of these products.

#### Performance Curve

##### Regulated Pressure vs. Flow

(Pressure Override Curve)

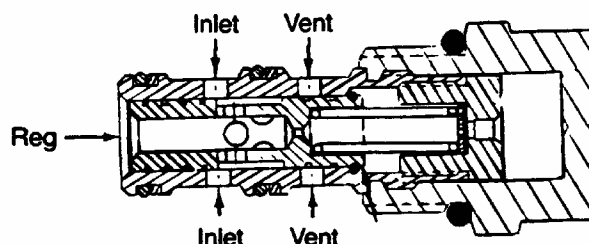
(Through cartridge only. For performance of bodies, see section MV).



#### Cartridge Valve Specifications

Max. Inlet Flow	15 GPM (56.25 L/M)
Max. Vent Flow	.25 GPM (.94 L/M)
Max. Inlet Pressure	3500 PSI (245 Bar)
Operating Temp. Range (Ambient)	-40°F to + 200°F (Nitrile) -25°F to + 250°F (Viton)
Cartridge Material	All parts steel. All operating parts hardened steel
Filtration	ISO Code 16/13, SAE Class 4 or better
Mounting	No Restrictions
Cavity	Common Cavity No. C10-3 (See Cavity Details section)

#### Construction

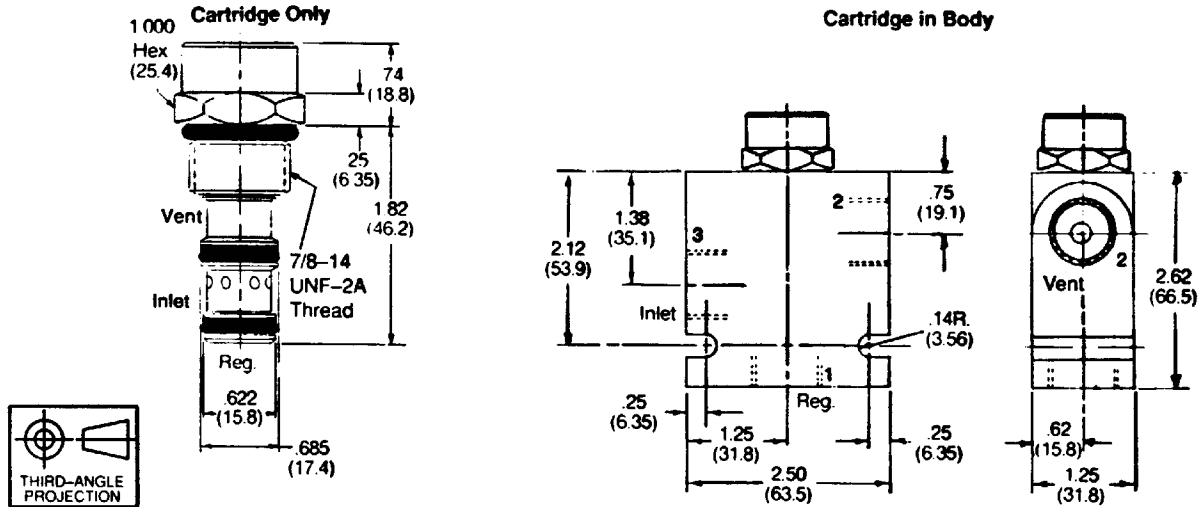


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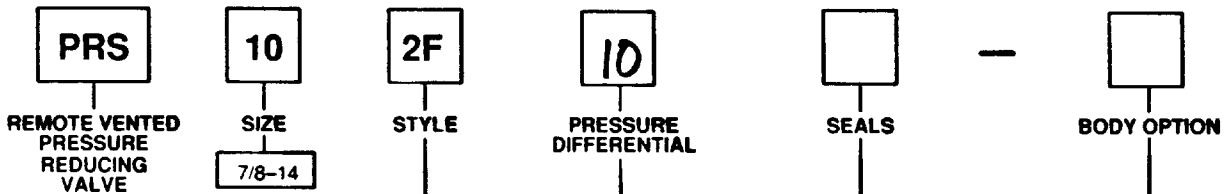
PC

8012-308

## Dimensions Inches (Millimeters)



## Ordering Information



Code	Style
2	Internally Piloted, Externally Drained

Code	Type
Omit	Nitrile
V	Viton

### Shipping Weight

Cartridge Only 0.3 lbs. (.14 kg)  
Cartridge in Body 2.0 lbs. (.90 kg)

Code	Differential
Omit	50 PSI (Max. operating pressure - 1000 PSI)
10	100 PSI (Max. operating pressure - 3.500 PSI)

Code	Port Size
Omit	Cartridge Only
4P	1/4" NPTF (B10-3-4P)
6P	3/8" NPTF (B10-3-6P)
8P	1/2" NPTF (B10-3-8P)
6T	SAE-6 (B10-3-6T)
8T	SAE-8 (B10-3-8T)

### SERVICE PARTS

Nitrile Seal Kit - SK10-3  
Viton Seal Kit - SK10-3V