Oilgear

VALVE, SCREW-IN CARTRIDGE

HSDPR601

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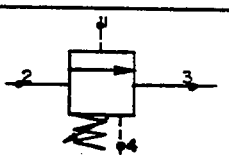
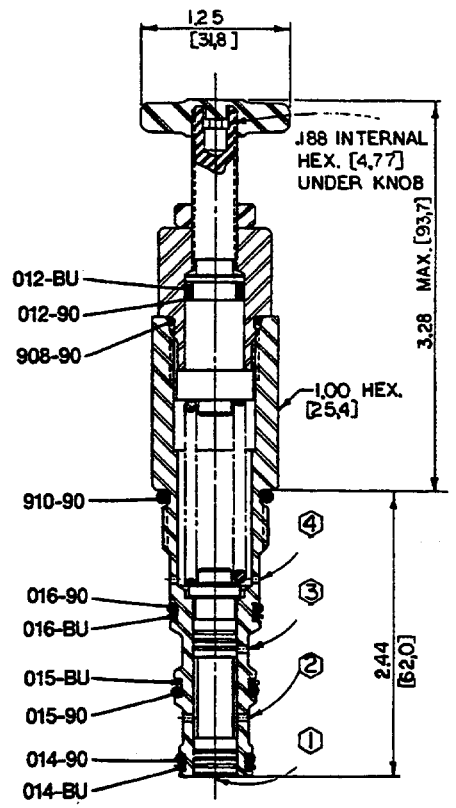


Data Sheet — **Differential Pressure Relief Valve**

400196HS



Form Tool Cavity
HS-600-4

Line Mount Block
BD1-08-C

Application

The HSDPR valve can be used as a pilot control valve to monitor differential loads.

Operation

Inlet is port 2 and outlet is port 3. A screw is used to adjust the compression on the valve spring. If there is no pressure at pilot port 4, the valve opens when pressure at port 1 exceeds the spring setting [example–spring set at 500 psi (34,5 bar)], valve opens when pressure at port 1 is 500 psi (34,5 bar). If there is pressure at both port 1 and 4, the valve opens when the pressure differential (between ports 1 and 4) exceeds the spring setting (example—spring set for 500 psi (34,5 bar), 1000 psi (69 bar) present at port 4—valve starts to open when pressure at port 1 exceeds 1525 psi (105,2 bar).

Features

HSDPR relief valves are available with several springs so you can select the one that best fits your needs. The cartridge is constructed of steel parts and all operating parts are hardened as required. Cartridge is designed for ease of service and field repair.

Specifications

Maximum working pressure—
2400 psi (165,5 bar)
Adjustable pressure range—Depends on pressure range selected—see "How To Order."
Seals—Viton
Operating temperature—-40°F to 350°F (-39,6°C to 175°C)
Filtration—Maintain SAE Class 6, ISO 18/15
Seal kit—HSSK-600-P

Telephone: (414) 327-1700
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OILGEAR
2300 So. 51st. Street
Milwaukee, WI USA 53219

Reissued: Nov., 1995

DS 82590-B5.1

Oilgear

VALVE, SCREW-IN CARTRIDGE

HSDPR601

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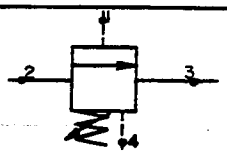
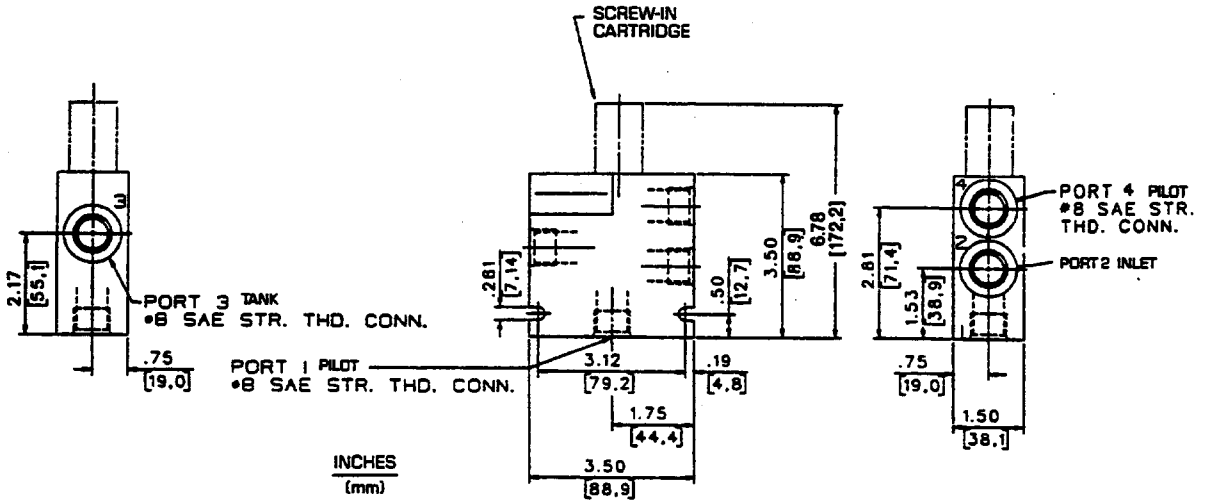


Data Sheet — **Differential Pressure Relief Valve**

Line Mount Specifications

HSDPR601/BD1-08-C



How To Order

Screw-In Cartridge Only

HSDPR601-___

	Pressure Differential	
	psi	bar
2	50- 200	3,4- 13,8
6	100- 600	6,9- 41,4
12	200-1200	13,8- 82,8
24	400-2400	27,6-165,5

Cartridge With Line Mount Block

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