Description

Operation

Features

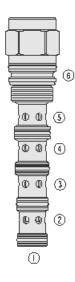
directional valve.

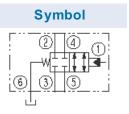
at port 6 will affect required pilot pressure.

• Hardened spool and cage for long life. • Optional sealed spool between ports 1 and 2.



Overview





Ratings

<u>Pressure Ratings</u>	
Pressure rating	240 bar (3500 psi)
Temperature Ratings	
Operating fluid temperature	-40 to 100 °C (-40 to 212 °F) -26 to 204 °C (-15 to 400 °F) -54 to 107 °C (-65 to 225 °F)
<u>Flow Ratings</u> Maximum internal leakage	164 ml/min (10 in³/min) - Note: At 207 bar (3000 psi)
Properties	

The PD16-S63 is a screw-in, cartridge style, pilot operated, spool-type, hydraulic

In the neutral position all ports are blocked. On remote pilot signal at port 1 the valve's spool shifts to allow flow between ports 2 and 3, and 4 and 5. The spring chamber is vented to the tank through port 6. The vented spring chamber allows the valve to be fully

pressurized at ports 1, 2, 3, 4, and 5 without affecting required pilot pressure. Pressure

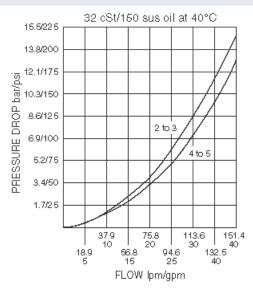
Ρ

Materials	Steel with work surfaces hardened, external surfaces are zinc plated, buna N o- rings are standard
Unit weight	0.75 kg (1.66 lb)

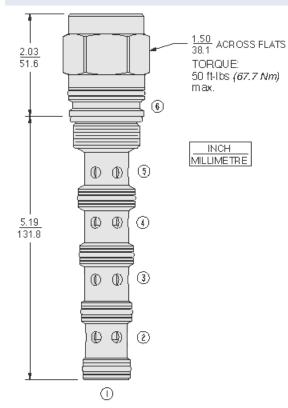
Performance

PD16-S63

hydraforce.com



Dimensions



Installation Specifications

Cartridge installation torque

62.4 to 73.2 N-m (46 to 54 ft-lb)

Accessories

Seal kit

SK16-6X-BMMMM



Order Code

PD16-S63-Porting Cartridge Only 0

 Bias Spring.

 60
 4.1 bar (60 psi)

 80
 5.5 bar (80 psi)

 110
 7.6 bar (110 psi)

 170
 11.7 bar (170 psi)

- Seals

 N
 Buna N (Std.)

 NS
 Buna N with Sealed Spool between ① and ②
- V Fluorocarbon
- VS Fluorocarbon with Sealed Spool between \oplus and \oslash
- P Polyurethane PS Polyurethane with Sealed Spool between ① and ② Note: NS, VS and PS seal options require 80 psi minimum bias spring

Model Options

PD16-S63-H-J-R

H Line Body

CODE	DESCRIPTION
	DESCRIPTION

0 No Body

J Seal

CODE	DESCRIPTION
Ν	Buna-N
NS	Buna-N with a Sealed Spool
V	Fluorocarbon
VS	Fluorocarbon with a Sealed Spool
Р	Polyurethane
PS	Polyurethane with a Sealed Spool
U	PPDI Urethane
US	PPDI Urethane with a Sealed Spool

R Spring

CODE	DESCRIPTION
60	60 psi Bias Spring
80	80 psi Bias Spring
110	110 psi Bias Spring
170	170 psi Bias Spring