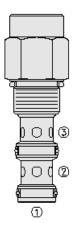


Overview



Description

The PD12-32 is a screw-in, cartridge style, pilot-operated, spool type, normally closed, hydraulic directional valve.

Operation

In neutral position the valve blocks flow from port 2 to 3. The spring chamber is internally vented to port 3. On remote pilot signal at port 1, the valve's spool shifts to allow flow from port 2 to 3 unidirectionally. Pressure on port 3 will directly (1:1) affect the pilot pressure required and must be added to the bias spring value.

<u>Features</u>

- Hardened spool and cage for long life.
- Industry common cavity.

Symbol



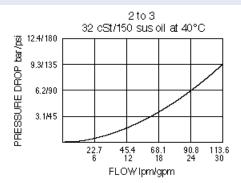
Ratings

<u>Pressure Ratings</u>	
Pressure rating	241 bar (3500 psi)
Flow Ratings	
Maximum internal leakage	245 ml/min (15 in ³ /min) - Note: At 207 bar (3000 psi) 0 lpm (0 gpm) - Note: From port 1 and 2 with sealed spool
<u>Temperature Ratings</u>	
Operating fluid temperature	-40 to 120 °C (-40 to 248 °F)

Properties

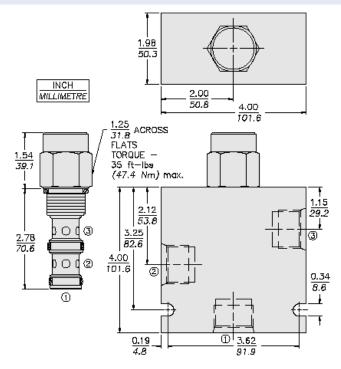
Materials	steel with hardened work surfaces; zinc plated exposed surfaces
Unit weight	0.23 kg (0.50 lb)

Performance





Dimensions



Installation Specifications

Cavity		
Cartridge	installation	torque

VC12-3 44.7 to 50.2 N-m (33 to 37 ft-lb)

Accessories

Seal kit

SK12-3N-MM	- Note: Buna N
SK12-3V-MM	- Note: Viton
SK12-3P-MM	- Note: Polyurethane



Order Code

PD12-32 -___ Т Bias Spring <u>Porting</u> Cartridge Only 0 110 7.6 bar (110 psi) SAE8 8T 170 11.7 bar (170 psi) SAE 10 10T SAE 12 12T 1/2 in. BSP* 4B 3/4 in. BSP* 6B <u>Seals</u> N Bun a N (Std.) NS Buna N with Sealed Spool *BSP Body U.K. Mfr. Only V Fluorocarbon VS Fuorocarbon with Sealed Spool

Model Options

PD12-32-H-J-R

H Line Body

CODE	DESCRIPTION
0	No Body
8T	Aluminum SAE 8
10T	Aluminum SAE 10
12T	Aluminum SAE 12
12TD	Ductile Iron SAE 12

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
110	110 psi Bias Spring
170	170 psi Bias Spring