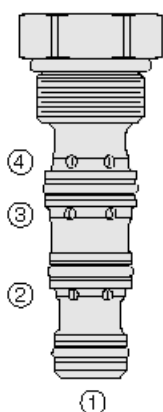




Overview



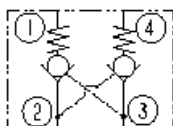
Description

The DC08-40 is a cartridge style, dual pilot operated check valve for use in blocking or load holding circuits with general purpose hydraulic fluids.

Features

- Hardened seat for long life and low leakage.
- Low pressure drop.
- Compact size.

Symbol



Ratings

Pressure Ratings

Pressure rating	241 bar (3500 psi)
Proof pressure	350 bar (5075 psi)
Burst pressure	966 bar (14000 psi)
Pilot ratio	3:1

Flow Ratings

Flow rating	19 lpm (5 gpm)	- Note: Max at 207 bar (3500 psi)
Maximum internal leakage	0.25 ml/min (5 drops/min)	

Temperature Ratings

Operating fluid temperature	-40 to 100 °C (-40 to 212 °F)	- Note: With buna N seals
	-26 to 204 °C (-15 to 400 °F)	- Note: With fluorocarbon seals
	-54 to 107 °C (-65 to 225 °F)	- Note: With polyurethane seals
Storage temperature	-40 to 70 °C (-40 to 160 °F)	
Ambient temperature	-40 to 90 °C (-40 to 194 °F)	

Other Ratings

Corrosion protection	960 hr salt spray per ASTM b117 (gdc08-40)
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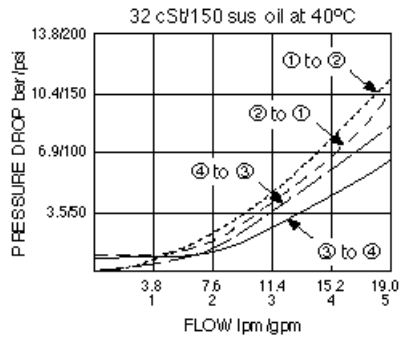
Operating Parameters

Fluids	Mineral based or synthetic hydraulic fluid with lubricating properties
Fluid viscosity range	7.4 to 420 cSt
Maximum operating contamination level	20/18/14 per ISO 4406

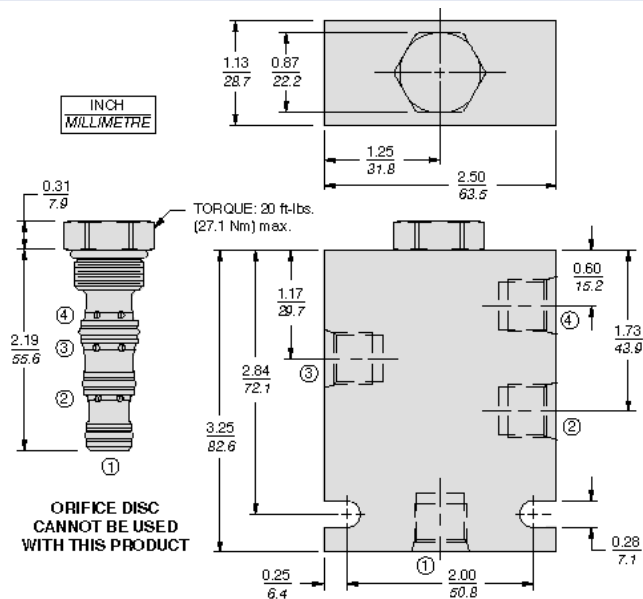
Properties

Unit weight	0.07 kg (0.16 lb)
Internal wetted surface area	113 cm ² (17.5 in ²)

Performance



Dimensions



Installation Specifications

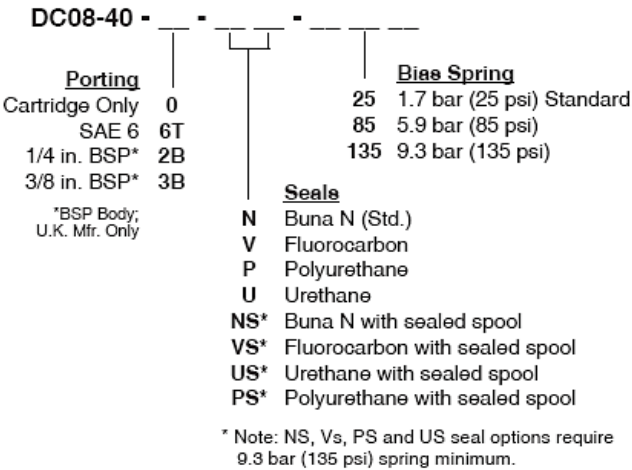
Cavity	VC08-4
Cartridge installation torque	25.8 to 28.6 N-m (19 to 21 ft-lb)
Maximum allowable torque	54.2 N-m (40 ft-lb)
Orientation restriction	None

Accessories

Seal kit	SK08-4N-MMM	- Note: Buna N
	SK08-4V-MMM	- Note: Fluorocarbon
	SK08-4P-MMM	- Note: Polyurethane
	SK08-4U-OOO	- Note: Urethane



Order Code



Model Options

DC08-40-H-J-R

H Line Body

CODE	DESCRIPTION
0	No Body
6TD	Ductile Iron SAE 6
3B	Aluminum BSPP 3/8" (3)
3BD	Ductile Iron BSPP 3/8" (3)

J Seal

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

R Spring

CODE	DESCRIPTION
25	25 psi Bias Spring
85	85 psi Bias Spring
135	135 psi Bias Spring