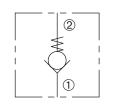
DCV-080-PB

Direct-Acting, Ball-Type Check Valve



SERIES 8



DESCRIPTION

A cartridge valve designed to allow free flow in one direction, while preventing flow in the opposite direction. This valve is commonly used as a load-holding or blocking valve.

OPERATION

Pressure at ① overcomes the spring-bias ball and allows free flow to ②. Flow in the opposite direction, from ② to ①, is blocked by the ball.

FEATURES and BENEFITS

- Guide ball assembly
- · Torlon[®] ball for positive shut-off.
- Low leak.
- · Industry common cavity.

SPECIFICATIONS

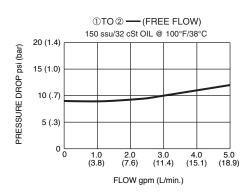
Operating Pressure: 3000 psi (207 bar) Flow: See PRESSURE DROP VS. FLOW graph. Nominal Flow 5 gpm (18.9 lpm) Internal Leakage: Less than 2 drops/min max. at 3000 psi (207 bar) 2 psi (0.1 bar) Crack Pressure: 5 psi (0.3 bar) 10 psi (0.7 bar) 30 psi (2.1 bar) 60 psi (4.1 bar) 100 psi (6.9 bar) **Temperature:** -30°F to +220°F (-35°C to +104°C) Recommended Filtration: Critical Application – ISO 17/15/13 Non-Critical Application - ISO 20/18/14 Fluids: Mineral-based fluids. For other fluid compatibility, consult factory. Cavity/Cavity Tool: 080-2, see page 11.08.2 In-Line Body Material: Anodized 6061T6 aluminum

alloy rated at 3000 psi (207 bar).



5 psi (0.3 bar)

PRESSURE DROP VS. FLOW



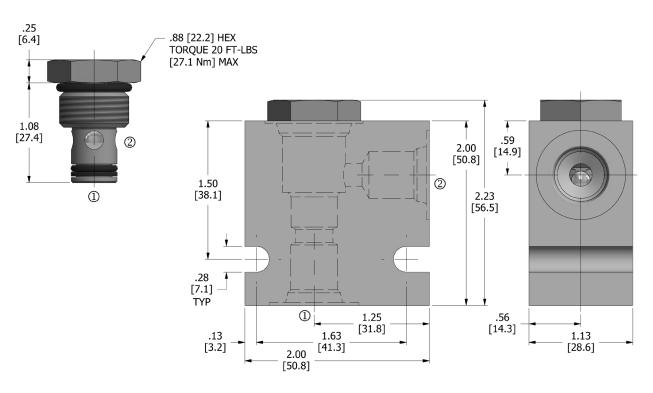


DCV-080-PB Direct-Acting, Ball-Type

Check Valve

SERIES 8

DIMENSIONS Inches [Millimeters]



HOW TO ORDER



Seals		Seal Kit		Crack Pressure		Porting [†]		In-Line Body
N	Buna N	DSK-080-2-N-A	2	2 psi (0.1 bar)		omit	Cartridge only w/nut	w/o Cartridge
V	Viton	DSK-080-2-V-A	5	5 psi (0.3 bar)		2N	1/4 PTF	B-080-2-2N
		,	10	10 psi (0.7 bar)		3N	3/8 PTF	B-080-2-3N
			30	30 psi (2.1 bar)		4T	SAE 4	B-080-2-4T
			60	60 psi (4.5 bar)		6T	SAE 6	B-080-2-6T
			100	100 psi (6.9 bar)				

† Other options available – consult factory

Valve and In-Line Body are supplied individually and need to be assembled. For a completed assembly consult the factory.

All variations may not be configurable. Minimum order quantities may be required on other models. Contact Deltrol Fluid Products for complete details.

CHECK

www.deltrolfluid.com

2.11.2