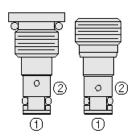


Overview



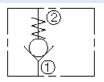
Description

The CV04-20 is a screw-in, cartridge style, hydraulic check valve for use as a blocking or load-holding device.

Operation

The cartridge valve allows flow from port 1 to 2, while normally blocking flow in the opposite direction. The cartridge valve has a fully guided check which is spring biased closed until sufficient pressure is applied at port 1 to open to port 2.

Symbol



Ratings

Pressure Ratings

241 bar (3500 psi) Pressure rating

Flow Ratings

7.6 lpm (2 gpm) Flow rating

0.10 ml/min (2 drops/min) - Note: At 241 bar (3500 psi) Maximum internal leakage

Temperature Ratings

-40 to 100 °C (-40 to 212 °F) Operating fluid temperature - Note: With buna N seals - Note: With fluorocarbon seals

-26 to 204 °C (-15 to 400 °F) -54 to 107 °C (-65 to 225 °F) - Note: With polyurethane seals

-40 to 70 °C (-40 to 160 °F) Storage temperature -40 to 90 °C (-40 to 194 °F) Ambient temperature

Other Ratings

960 hr salt spray per ASTM b117 (gcv04-20) Corrosion protection

Operating Parameters

Mineral based or synthetic hydraulic fluid with lubricating properties Fluids

7.4 to 420 cSt Fluid viscosity range

Maximum operating contamination 20/18/14 per ISO 4406

level

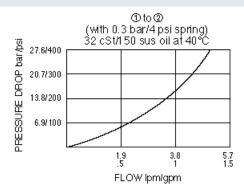
Properties

0.01 kg (0.03 lb) Unit weight 16 cm² (2.5 in²) Internal wetted surface area

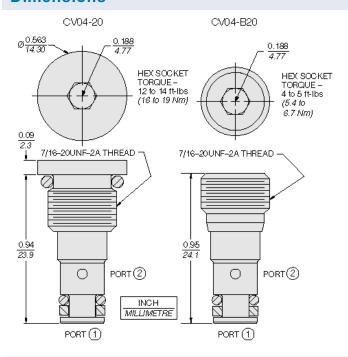
CV04-20 24OCT2023 16:48 hydraforce.com



Performance



Dimensions



Installation Specifications

Cavity VC04-2

Cartridge installation torque 16.3 to 19.0 N-m (12 to 14 ft-lb)

Maximum allowable torque 27.1 N-m (20 ft-lb)

Orientation restriction None

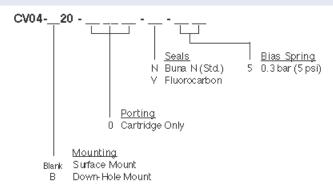
Accessories

Seal kit SK04-2X-T - Note: X = seal option

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Order Code



Model Options

CV04-20-H-J-R

H Line Body

CODE	DESCRIPTION
0	No Body

J Seal

CODE	DESCRIPTION
N	Buna-N
V	Fluorocarbon
Р	Polyurethane
U	PPDI Urethane

R Spring

-	•
CODE	DESCRIPTION
5	5 psi Bias Spring

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