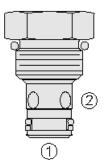


Overview



Description

The FC08-20F is a screw-in, cartridge style, restrictor-check valve.

Operation

The valve acts as a restrictor in the 2 to 1 direction. As a check valve it provides free flow in the 1 to 2 flow path.

Features

- · Hardened spool and cage for long life.
- · Compact, industry-common cavity.

Symbol



Ratings

Pressure Ratings

Pressure rating 241 bar (3500 psi)
Proof pressure 345 bar (5000 psi)
Burst pressure 896 bar (13000 psi)

Flow Ratings

Flow rating See performance graph

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)

-10 to 70 °C (-65 to 225 °F)

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

Operating Parameters

Fluids Mineral based or synthetic hydraulic fluid with lubricating properties

Fluid viscosity range 7.4 to 420 cSt Maximum operating contamination 18/16/13 per iso4406

level

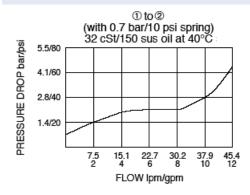
Properties

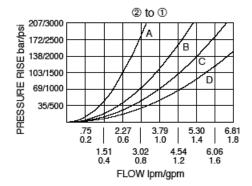
Unit weight 0.10 kg (0.20 lb) Internal wetted surface area 206 cm² (31.9 in²)

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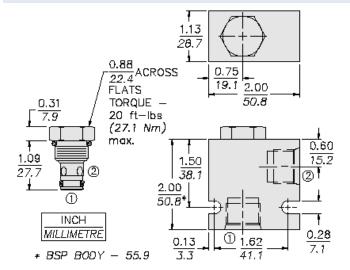


Performance





Dimensions



Installation Specifications

Cavity VC08-2

Cartridge installation torque 24.5 to 27.2 N-m (18 to 20 ft-lb)

Orientation restriction None

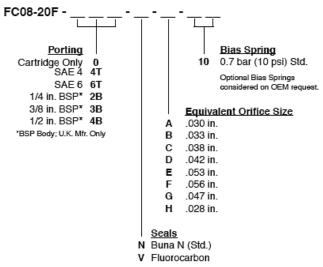
Accessories

Seal kit SK08-2X-T (x = seal option) - Note: X = seal option

Order Code

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Model Options

FC08-20F-H-J-PR

H Line Body

CODE	DESCRIPTION
0	No Body
4T	Aluminum SAE 4
6T	Aluminum SAE 6
8T	Aluminum SAE 8
6TD	Ductile Iron SAE 6
8TD	Ductile Iron SAE 8
2B	Aluminum BSPP 1/4" (2)
3B	Aluminum BSPP 3/8" (3)
3BD	Ductile Iron BSPP 3/8" (3)

J Seal

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

P Equivalent Orifice Size

DESCRIPTION
0.030 in
0.033 in
0.038 in
0.042 in
0.053 in
0.056 in
0. 47 in
0. 28 in

R Spring Value

CODE DESCRIPTION



FLOW CONTROL VALVE WITH REVERSE FLOW CHECK



CODE DESCRIPTION

0.7 bar (10 psi)

10

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