



Fixed orifice pressure compensated flow control valve with reverse flow check

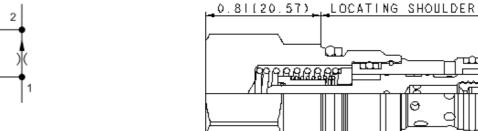
CAPACITY: 11 L/min. / CAVITY: T-162A



sunhydraulics.com/model/FCBB

PORTI





CONFIGURATION

X	Control	Not Adjustable
Α	Setting Range	Replaceable Orifice .1 - 3 gpm (0,4 - 11 L/min.)
N	Seal Material	Buna-N
(none) Material/Coating		Standard Material/Coating

- Fixed-orifice, pressure-compensated flow controls with reverse-flow check provide precise flow regulation for meter-in or meter-out applications where there may be wide pressure fluctuations. An integral high-capacity check valve provides unrestricted flow from port 2 to port 1. The flow setting is specified by the user and is set at the factory.

TECHNICAL DATA

NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Cavity	T-162A
Series	0
Capacity	11 L/min.
Maximum Operating Pressure	350 bar
Valve Hex Size	19,1 mm
Valve Installation Torque	27 - 33 Nm
Adjustment Screw Internal Hex Size	4 mm
Locknut Hex Size	15 mm
Locknut Torque	9 - 10 Nm
Seal kit - Cartridge	Buna: 990162007
Seal kit - Cartridge	Polyurethane: 990162002
Seal kit - Cartridge	Viton: 990162006
Model Weight	0.07 kg.

CONFIGURATION OPTIONS

Model Code Example: FCBBXAN

(X) SETTING RANGE (A) SEAL MATERIAL CONTROL (N) MATERIAL/COATING

X Not Adjustable

L Tuning Adjustment

Replaceable Orifice .1 - 3 gpm (0,4 - 1 K Handknob

N Buna-N V Viton

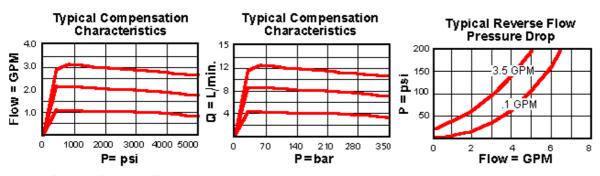
Standard Material/Coating /AP Stainless Steel, Passivated /LH Mild Steel, Zinc-Nickel

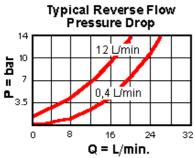
TECHNICAL FEATURES

- Customer must specify a flow rating. Factory set flow ratings are within +/- 15% of the requested setting.
- The tuneable control option provides +/- 20% variation from the nominal factory pre-set flow. Turn the adjustment clockwise to increase.
- All 2-port flow control cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size). However, cartridge extension dimensions from the mounting surface may vary.
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

PERFORMANCE CURVES

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