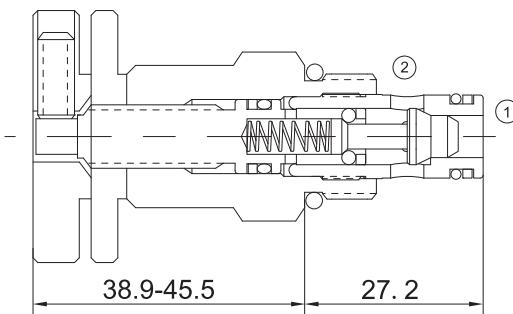


EVCF-FC08

THROTTLE CHECK VALVE



Technical Specifications

Operating Pressure :	250Bar
Flow :	18L/min
Internal leakage :	3drops/min at 250bar
Operating temperature :	-30°C to + 120°C (- 22°F to + 250°F)
Cavity :	VC08-2
Fluids:	Mineral based or synthetic hydraulic fluid with lubricating properties
Fluid viscosity range :	7.4 to 420cSt.

Features

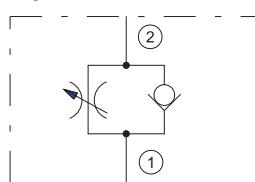
- Hardened seat for long life
- Compact size
- Industry common cavity
- Desired settings may be locked down.

Technical specification subject to change without prior notice. Other specification on request: 2025

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.

Symbol



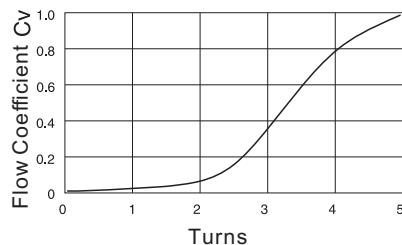
Order Codes

	Base Model		Adjustment Option	Seals
	EVCF	-	FC08	Table 1
Example	EVCF	-	FC08	K - B

Table 1	
Code	Adjustment Option
Blank	Screw adjustment
K	Knob adjustment

Table 2	
Code	Seals
B	NBR
V	FKM

Performance Curves



$$\text{FLOW IN GPM} = \frac{Cv \sqrt{P1 - P2}}{\sqrt{Gf}}$$

Cv = Flow Coefficient Gf = specific gravity of medium at opening
 $P1$ = Inlet Pressure (psi) temperature (°F)
 $P2$ = Oulet Pressure (psi)

Installation Dimensions

