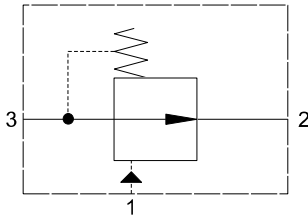


PCS3-10 - Pressure compensator

Restrictive
38 L/min (10 USgpm) • 210 bar (3000 psi)

www: www.salushydraulics.pl
e-mail: pl@salushydraulics.pl
shop/sklep: www.sklep.salushydraulics.pl

Eaton PCS3-10



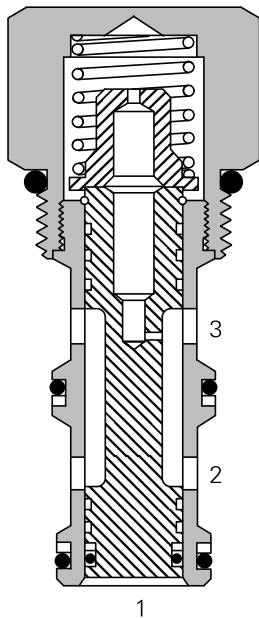
Operation

This valve, when used with either a fixed or variable orifice between port 1 and port 3, maintains a constant flow. This is based on what ever pressure differential is chosen. Flow out of port 2, regardless of pressure, changes downstream on port 2.

Features

Hardened and ground and honed working components. Cartridge construction for maximum mounting flexibility.

Sectional view



Performance data

Ratings and specifications

Performance data is typical with fluid at 21,8 cSt (105 SUS) and 49° C (120° F)

Typical application pressure (all ports)	210 bar (3000 psi)
Cartridge fatigue pressure (infinite life)	210 bar (3000 psi)
Rated flow	38 L/min (10 USgpm)
Cavity	C-10-3
Standard housing materials	Customized housings are necessary for close-coupling, the compensator and orifice
Temperature range	-40° to 120° C (-40° to 248° F)
Fluids	All general purpose hydraulics fluids such as: MIL-H-5606, SAE 10, SAE 20 etc
Filtration	Cleanliness code 18/16/13
Weight cartridge only	0,12 kg (0.26 lbs)
Seal kit	565812 (Buna-N), 889611 (Viton®)

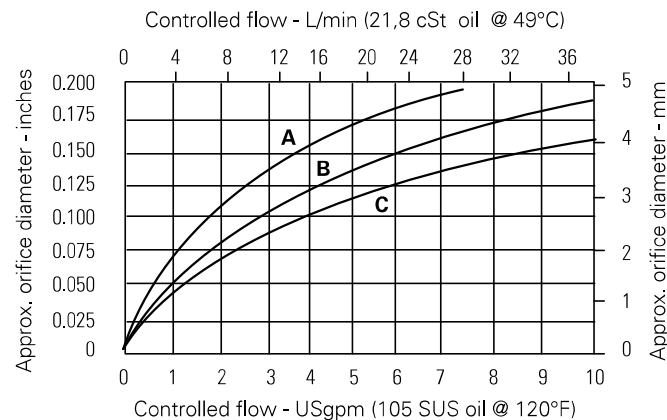
Viton is a registered trademark of E.I. DuPont

Description

This is a restrictive style compensator suitable for use with a separate needle valve or orifice to provide a pressure compensated flow while the excess oil passes over a relief valve or closes down the compensator on a pump. This, when used in a manifold, is ideal for motor or cylinder speed control either meter in or meter out.

Performance characteristics

Cartridge only

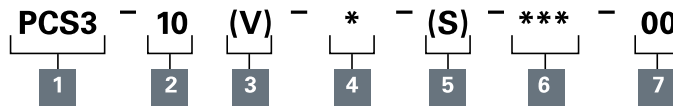


Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

PCS3-10 - Pressure compensator

Restrictive
38 L/min (10 USgpm) • 210 bar (3000 psi)

Model code



1 Function

PCS3 - Pressure compensator restrictive type

2 Size

10 - 10 size

3 Seal material

Blank - Buna-N
V - Viton®

4 Port size

0 - Cartridge only
(Customized housings are necessary for close-coupling, compensator and orifice)

5 Spool seals

Blank - No seal on spool
S - Seal on spool

(For load holding applications where leakage from port 1 to 2 could cause cylinder drift, use of seal will increase hysteresis)

6 Pressure differential (Nominal)

40 - 2,8 bar (40 psi)
60 - 4,1 bar (60 psi)
80 - 5,5 bar (80 psi)
160 - 11,0 bar (160 psi)

7 Special features

00 - None
(Only required if valve has special features, omit if ("00"))

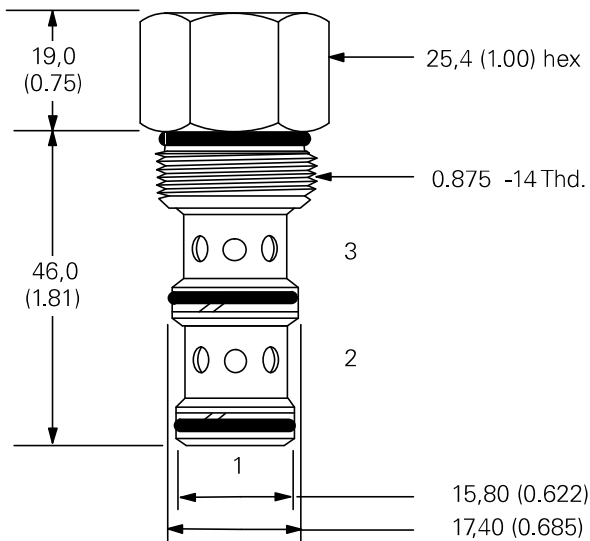
Dimensions

mm (inch)

Torque into aluminum housing to 47-54 Nm (35-40 ft lbs)

Cartridge only

Basic code
PCS3-10



Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.