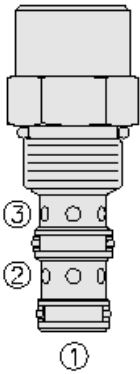




Overview



Description

The EC10-32 is a screw-in, cartridge style, load sense, flow on demand, pressure compensator.

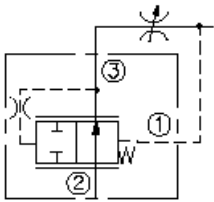
Operation

With inlet flow at port 2, port 3 will deliver required flow regardless of load pressure sensed at port 1. 0.021 in [0,53 mm] orifice is recommended to be installed in load sense line at port 1 for better stability.

Features

- Hardened parts for long life.
- Quiet, modulated response.
- Industry-common cavity.

Symbol



Ratings

Pressure Ratings

Pressure rating 241 bar (3500 psi)

Flow Ratings

Flow rating	18.9 lpm (5.0 gpm)	- Note: With 2.8 bar (40 psi)compensating spring
	28.0 lpm (7.5 gpm)	- Note: With 5.5 bar (80 psi)compensating spring
	38.1 lpm (10 gpm)	- Note: With 10.3 bar (150 psi)compensating spring
	57.0 lpm (15 gpm)	- Note: With 17.2 bar (250 psi)compensating spring

Temperature Ratings

Operating fluid temperature	-40 to 100 °C (-40 to 212 °F)	- Note: With buna N seals
	-26 to 204 °C (-15 to 400 °F)	- Note: With fluorocarbon seals
	-54 to 107 °C (-65 to 225 °F)	- Note: With polyurethane seals
Storage temperature	-40 to 70 °C (-40 to 160 °F)	
Ambient temperature	-40 to 70 °C (-40 to 160 °F)	

Other Ratings

Corrosion protection 960 hr salt spray per ASTM b117 (model number - gec10-32)

Operating Parameters

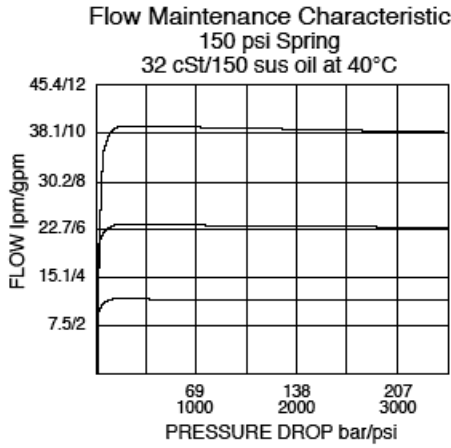
Fluids	Mineral based or synthetic hydraulic fluid with lubricating properties
Fluid viscosity range	7.4 to 420 cSt
Maximum operating contamination level	18/16/13 per ISO 4406

Properties

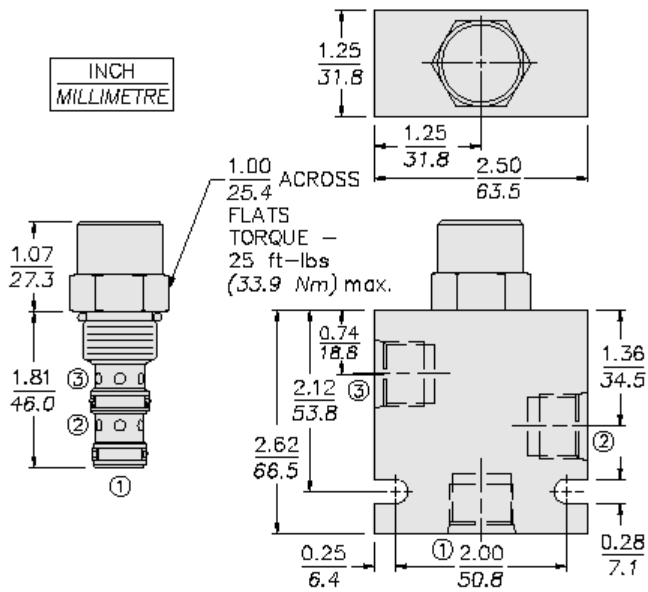
Unit weight	0.16 kg (0.35 lb)
Internal wetted surface area	145 cm ² (22.4 in ²)



Performance



Dimensions



Installation Specifications

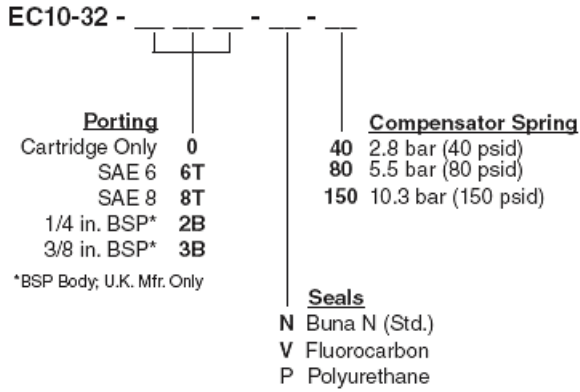
Cavity	VC10-3
Cartridge installation torque	34 to 37 N-m (25 to 27 ft-lb)
Maximum allowable torque	68 N-m (50 ft-lb) - Note: For 40,80, and 150 psi spring options only
Orientation restriction	None

Accessories

Seal kit	SK10-3X-MM	- Note: X = seal option
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Order Code



Model Options

EC10-32-H-J-R

H Line Body

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

J Seal

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

R Compensator Spring

CODE	DESCRIPTION
40	40 Compensator Spring
80	80 Compensator Spring
150	150 Compensator Spring
250	250 Compensator Spring