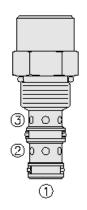


Overview



Description

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

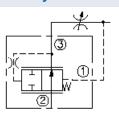
Operation

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) 28.0 lpm (7.5 gpm) 38.1 lpm (10 gpm) 57.0 lpm (15 gpm)	 Note: With 2.8 bar (40 psi)compensating spring Note: With 5.5 bar (80 psi)compensating spring Note: With 10.3 bar (150 psi)compensating spring 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 18/16/13 per ISO 4406

level

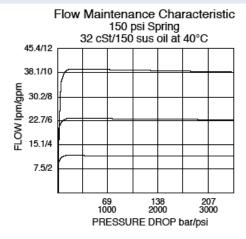
Properties

Unit weight 0.16 kg (0.35 lb)
Internal wetted surface area 145 cm² (22.4 in²)

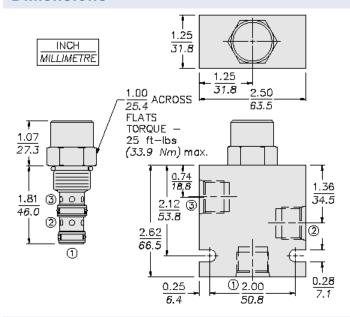
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Performance



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

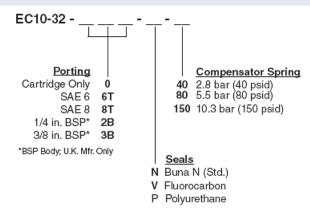
Accessories

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
Р	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

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