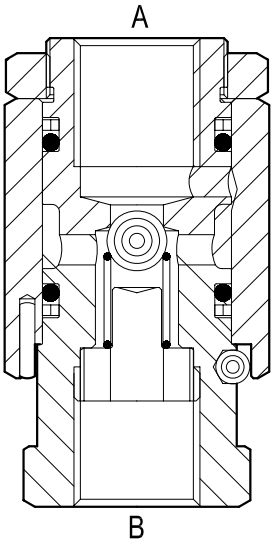
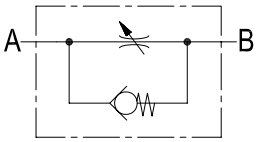
Flow control valves

Adjustable restrictors with ball type reverse flow check

SUM38 **OE.21.01.04.02**

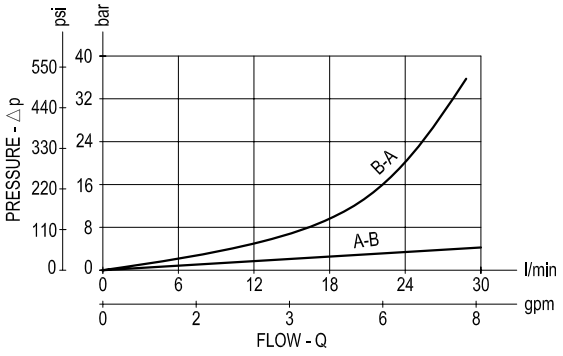




Description

This line mounted restrictor throttles and limits the flow from B to A; it has an adjustable built-in restriction which can be tuned by rotating the external hexagonal 32mm (1.26 inches) sleeve from fully closed to fully open, as indicated by the arrow. Once the desired adjustment is achieved, the sleeve can be locked by tightening the hexagonal 30 mm (1.18 inches) ring nut in order to prevent inadvertent changes or motion due to line vibrations. This valve is a variable adjustable restriction, non-pressure-compensated: the actual flow through the valve will be determined by the pressure differential available between inlet B and outlet A, and also by the oil viscosity.
Minor leakage “B-A” can be expected with valve fully closed. Free reverse flow “A-B” is always allowed through the incorporated check valve with minimum cracking pressure.

Performance



Δp curves vs. flow in “A-B” free flow direction

Technical data

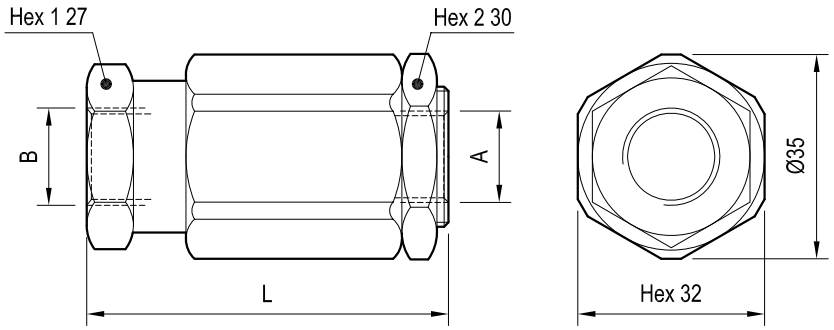
Pressure **P** max bar (psi)	Flow **Q** max l/min (gpm)	Weight kg (lbs)
210 (3000)	1-25 (0.3-7)	0.37 (0.82)

Steel body, zinc plated

Advantages

-Very compact design and inline mounting for space saving.
-Mounting position is unrestricted.
-Low Δp in the free flow direction.

Dimensions



Ports size / Dimensions

Ports A-B	L mm (inches)
G 3/8	62 (2.44)

Applications

The SUM Series valve is a fully and easily adjustable non-compensated flow control which can be employed for meter-in (Port A connected to the actuator inlet) or meter-out (Port B connected to the actuator outlet in order to control the oil flow from the actuator). The cost effectiveness and the easiness of adjustment make it suitable for many circuits and many applications where a non-compensated flow control is desired.

Ordering code

OE.21.01.04.02

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Type	Material number	Type	Material number	Type	Material number
OE2101040200000	R934001678				

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