

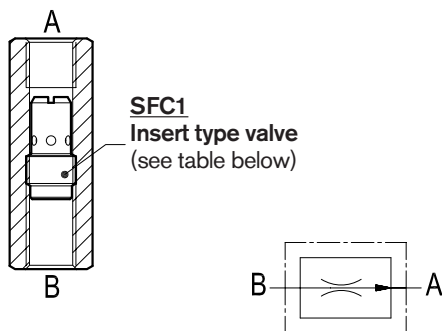
Flow control valves

Pressure compensated fixed setting flow regulators,  
with female sleeve



SFC-FF

OE.F1.01.01-Y-Z



## Description

This valve is composed by a sleeve with an inserted pressure compensated flow regulator cartridge (SFC1); it controls the oil flow from B to A, and prevents it from exceeding the selected value regardless of working pressure, while establishing a minimum pressure differential between the two ports. The inserted cartridge is available in different sizes (as well as the sleeve), and each size is available with different orifices, each one for a pre-determined flow (see "Z" table of Regulated Flow). In the reverse direction, A to B, flow is locked.

## Technical data

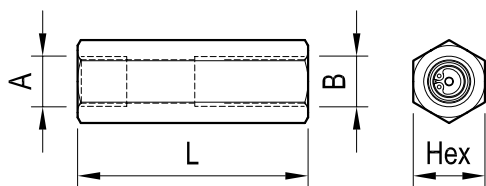
SFC1 Code	Ports A-B	Pressure P max bar (psi)	Flow Q max l/min (gpm)	Weight kg (lbs)
0T.F1.01.00.09...	G 1/4	210 (3000)	10 (3)	0.01 (0.02)
0T.F1.01.00.02...	G 3/8	210 (3000)	16 (4)	0.02 (0.04)
0T.F1.01.00.03...	G 1/2	210 (3000)	45 (12)	0.05 (0.11)

Steel body, zinc plated

## Advantages

- Compact design and inline mounting for space saving.
- Mounting position is unrestricted.
- The inserted flow regulator cartridge can be purchased separately for easy service or for modifications to the original flow adjustment (see data sheet RE 18329-75).

## Dimensions



## Posts size / Dimensions

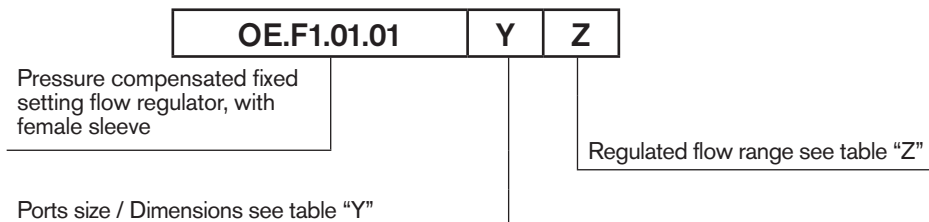
Y	Ports A-B	L mm (inches)	Hex mm (inches)	Sleeve code
09	G 1/4	61 (2.40)	19 (0.75)	OC.51.02.023
02	G 3/8	63 (2.48)	22 (0.87)	OC.51.02.024
03	G 1/2	72.5 (2.85)	27 (1.06)	OC.51.02.025

Z	REGULATED FLOW RANGE ( $\pm 10\%$ ) at 100 bar (1450 psi) l/min (gpm)									
	01	02	03	04	05	06	07	08	09	10
G 1/4	1 (0.3)	2 (0.5)	3 (0.8)	4 (1.1)	5 (1.3)	6 (1.9)	7 (1.9)	8 (2.1)	9 (2.4)	10 (2.6)
G 3/8	4 (1.1)	5 (1.3)	6 (1.6)	8 (2.1)	10 (2.6)	12 (3.2)	14 (3.7)	16 (4.2)	-	-
G 1/2	12 (3.2)	16 (4.2)	20 (5.3)	25 (6.6)	30 (7.9)	35 (9.3)	40 (10.6)	45 (11.9)	-	-

## Applications

Typical applications are the limitation of the flow into a line; it can also be used as a Meter-OUT device in order to limit the flow out from a one-way working line. The flow, and consequently the maximum actuator speed, will vary slightly with changes in fluid viscosity, but will be largely independent from the load and from the working pressure.

## Ordering code



Type	Material number	Type	Material number	Type	Material number
OEF101010201	R932007157	OEF101010303	R932007167	OEF101010905	R932007151
OEF101010202	R932007158	OEF101010304	R932007168	OEF101010906	R932007152
OEF101010203	R932007159	OEF101010305	R932007169	OEF101010907	R932007153
OEF101010204	R932007160	OEF101010306	R932007170	OEF101010908	R932007154
OEF101010205	R932007161	OEF101010307	R932007171	OEF101010909	R932007155
OEF101010206	R932007162	OEF101010308	R932007172	OEF101010910	R932007156
OEF101010207	R932007163	OEF101010901	R932007147		
OEF101010208	R932007164	OEF101010902	R932007148		
OEF101010301	R932007165	OEF101010903	R932007149		
OEF101010302	R932007166	OEF101010904	R932007150		