

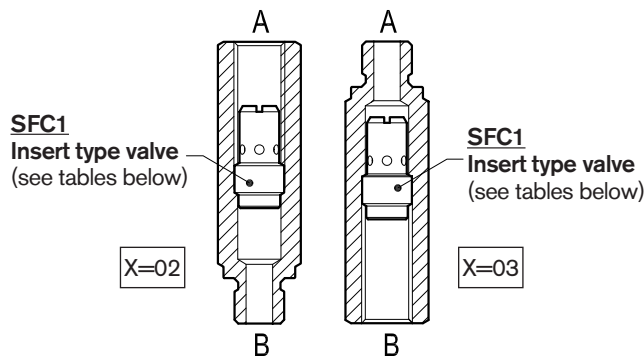
Flow control Valves

Pressure compensated fixed setting flow regulators,
with male-female sleeve



SFC-MF

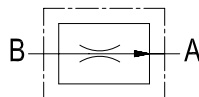
OE.F1.01-X-Y-Z



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. The valve can be ordered with MALE "A" port (X = 02), or FEMALE "A" port (X = 03).

X	Male or female regulated port
02	female regulated port A
03	male regulated port A



Technical data

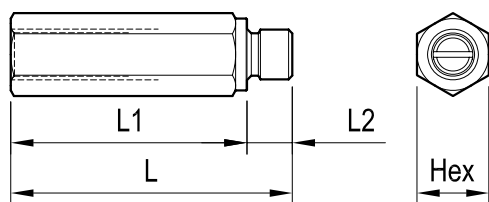
SFC1 Code	Ports A-B	Pressure P max bar (psi)	Flow Q max l/min (gpm)	Weight kg (lbs)
0T.F1.01.00.09...	G 1/4	210 (3000)	10 (3)	0.01 (0.02)
0T.F1.01.00.02...	G 3/8	210 (3000)	16 (4)	0.02 (0.04)
0T.F1.01.00.03...	G 1/2	210 (3000)	45 (12)	0.05 (0.11)

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



Ports size / Dimensions

Y	Ports	L mm (inches)	L1 mm (inches)	L2 mm (inches)	Hex mm (inches)	Sleeve code
09	G 1/4	74.5 (2.93)	62.5 (2.46)	12 (0.47)	19 (0.75)	OC.51.01.072
02	G 3/8	78.5 (3.09)	66.5 (2.62)	12 (0.47)	22 (0.87)	OC.51.01.073
03	G 1/2	93 (3.66)	79 (3.11)	14 (0.55)	27 (1.06)	OC.51.01.074

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

OE.F1.01	X	Y	Z
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Pressure compensated fixed setting flow regulators, with male-female sleeve

Regulated flow range see table "Z"

Male e female regulated port see table "X"

Ports size / Dimensions see table "Y"

Type	Material number	Type	Material number	Type	Material number
OEF101020201	R932007094	OEF101020905	R932007131	OEF101030307	R932007125
OEF101020202	R932007095	OEF101020906	R932007132	OEF101030308	R932007126
OEF101020203	R932007096	OEF101020907	R932007133	OEF101030901	R932007137
OEF101020204	R932007097	OEF101020908	R932007134	OEF101030902	R932007138
OEF101020205	R932007098	OEF101020909	R932007135	OEF101030903	R932007139
OEF101020206	R932007099	OEF101020910	R932007136	OEF101030904	R932007140
OEF101020207	R932007100	OEF101030201	R932007102	OEF101030905	R932007141
OEF101020208	R932007101	OEF101030202	R932007103	OEF101030906	R932007142
OEF101020301	R932007111	OEF101030203	R932007104	OEF101030907	R932007143
OEF101020302	R932007112	OEF101030204	R932007105	OEF101030908	R932007144
OEF101020303	R932007113	OEF101030205	R932007106	OEF101030909	R932007145
OEF101020304	R932007114	OEF101030206	R932007107	OEF101030910	R932007146
OEF101020305	R932007115	OEF101030207	R932007108		
OEF101020306	R932007116	OEF101030208	R932007109		
OEF101020307	R932007117	OEF101030301	R932007119		
OEF101020308	R932007118	OEF101030302	R932007120		
OEF101020901	R932007127	OEF101030303	R932007121		
OEF101020902	R932007128	OEF101030304	R932007122		
OEF101020903	R932007129	OEF101030305	R932007123		
OEF101020904	R932007130	OEF101030306	R932007124		