

Valves



T1000 Series

Block form flow regulators

Uni-directional

M5, 1/8" to 1/2" BSPP



Compact size/low weight/ in-line units

High flow performance

Suitable for panel and wall mounting

Adjustment can be locked

Captive regulator needle will not blow out when unscrewed

Adjusting knob position line

Technical data

Medium:

Compressed air, filtered, lubricated or non-lubricated, inert gases

Operating pressure:

1 to 10 bar (0,3 to 10 bar for M5)

Ambient temperature:

-20°C to +80°C

Consult our Technical Service for use below +2°C.

Materials

M5:

Body: aluminium

Seals: nitrile

Needle: brass

1/8, 1/4, 3/8, 1/2:

Body: aluminium alloy

Seals: nitrile

Needle & internal parts: brass

External parts: aluminium alloy

Alternative models

M/800 heavy duty flow regulators

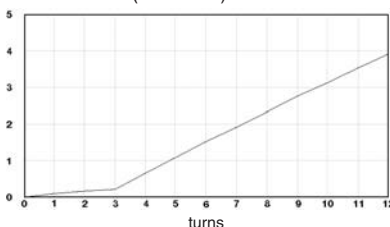
S/636, M/637, M/639 Precision flow regulators

Port size	Model	Max. regulated flow factor		Free flow factor		Opening pressure (bar)	kg
		C*	Cv	C*	Cv		
M5	T1000M0500	0,28	0,07	0,28	0,07	0,3	0,020
1/8	T1000C1800	0,57	0,14	1,50	0,37	<0,1	0,031
1/4	T1000C2800	1,30	0,32	2,80	0,69	<0,1	0,056
3/8	T1000C3800	4,80	1,17	6,70	1,64	<0,1	0,150
1/2	T1000C4800	7,50	1,84	8,30	2,00	<0,1	0,180

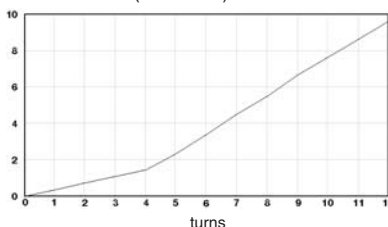
*C: measured in dm³/(s.bar)

Flow vs turns at 6 bar - flow in dm³/s ANR

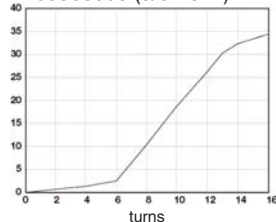
T1000C1800 (1/8 BSPP)



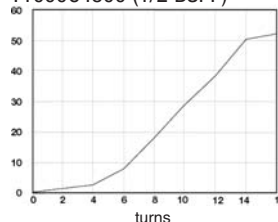
T1000C2800 (1/4 BSPP)



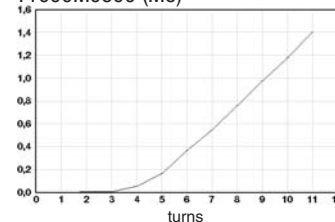
T1000C3800 (3/8 BSPP)



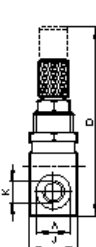
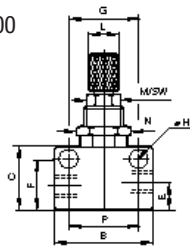
T1000C4800 (1/2 BSPP)



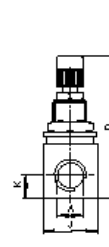
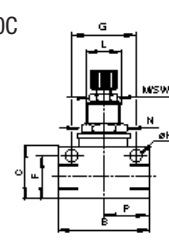
T1000M0500 (M5)



T1000M0500



T1000C



Model	A	B	C	D	E	F	G	H	J	K	L	M/SW	N (SW)	P	Panel hole	Max. panel thickness
T1000M0500	M5	25,0	15,0	45,0	6,5	12,0	18,0	4,5	12,0	5,5	M10x0,75	8	12	12,5	10,5	4,0
T1000C1800	G1/8	34,0	20,0	51,0	—	16,5	24,0	4,5	16,0	8,0	M12x1	Ø 10	14	17,0	12,5	4,0
T1000C2800	G1/4	45,0	25,5	61,5	—	21,0	32,0	4,5	19,0	9,5	M14x1	Ø 10	17	22,5	14,5	4,0
T1000C3800	G3/8	58,0	32,5	78,5	—	27,0	43,0	6,5	28,0	13,0	M20x1	14	24	29,0	20,5	4,0
T1000C4800	G1/2	65,0	36,0	82,0	—	30,5	50,0	6,5	30,0	15,0	M20x1	14	24	32,5	20,5	4,0

For NPT ranges, substitute A at the 6th digit, e.g. T1000A0500