

- 1 **Compact size/low weight/In-line units**
- 1 **Suitable for panel and wall mounting**
- 1 **Two gain flow control**
- 1 **Captive regulator needle will not blow out when unscrewed**
- 1 **Adjustment can be locked**
- 1 **Adjusting knob position line**



Technical Data

Medium:

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

Operation:

Bi-directional flow control.

Mounting:

In-line. Panel mounted by hexagonal mounting nut. Wall mounted by through-holes in regulator body.

Port size: BSPP and NPT

1/8 T1100C1800 T1100A1800

1/4 T1100C2800 T1100A2800

Operating Pressure:

0-10 bar

Operating Temperature:

-20°C to +80°C

Consult our technical service for use below +2°C

Materials

Aluminium body, Nitrile O ring, POM seal, brass needle and internal parts, external parts in aluminium alloy

Ordering Information

To order, quote product number from table overleaf:

e.g. T1100C1800 for 1/8 BSPP model.

Alternative Models:

M/800 range of Heavy duty regulators

see page 5.9.051.01

M/600 range of Heavy duty panel mounting flow regulators.

see page 5.9.041.01

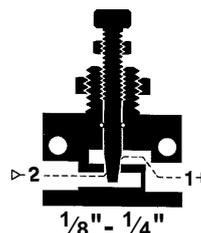
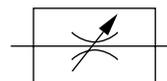
S/518 Precision flow regulator

(air & hydraulic)

see page 5.9.031.01

T1000 range of uni-directional Block form flow regulators

see page 5.9.001.01





General Information

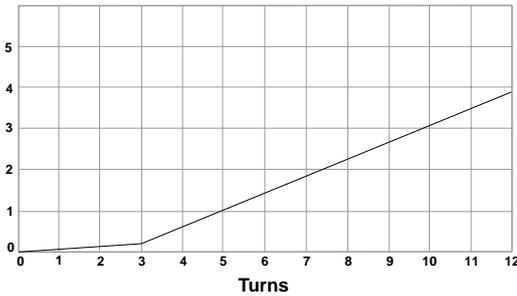
Port	Part Number		Maximum Regulating flow		Critical pressure ratio (b)	Minimum operating Pressure (bar)	Cracking Pressure (bar)	Weight (gms)
	BSPP	NPT	C	Cv				
1/8"	T1100C1800	T1100A1800	0,57	0,14	0,2	0	<0,1	31
1/4"	T1100C2800	T1100A2800	1,3	0,32	0,2	0	<0,1	56

C : measured in dm³/(s.bar)

CV: measured in US gall/min

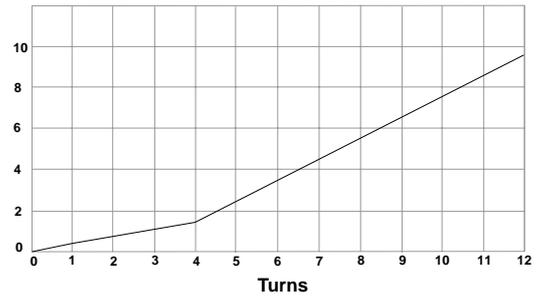
Flow vs Turns at 6 bar
(drop pressure = 6 - 0 bar)

T1100*1800 (1/8 BSPP, NPT)
Flow in dm³/s ANR

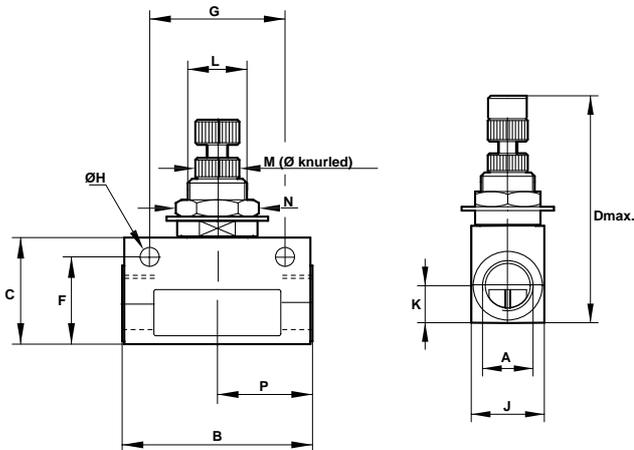


Flow vs Turns at 6 bar
(drop pressure = 6 - 0 bar)

T1100*2800 (1/4 BSPP, NPT)
Flow in dm³/s ANR



Bi-directional Flow Regulator



Model	T1100C1800	T1100A1800	T1100C2800	T1100A2800
A (mm)	G ³ / ₈	1/8 NPT	G ¹ / ₄	1/4 NPT
B (mm)	34,0	34,0	45,0	45,0
C (mm)	20,0	20,0	25,4	25,4
D (mm)	51,0	51,0	61,5	61,5
F (mm)	16,5	16,5	20,8	20,8
G (mm)	24,0	24,0	32,0	32,0
H (mm)	4,5	4,5	4,5	4,5
J (mm)	16,0	16,0	19,0	19,0
K (mm)	8,0	8,0	9,7	9,7
L (mm)	M12 x 1	M12 x 1	M14 x 1	M14 x 1
M (mm)	Ø10	Ø10	Ø10	Ø10
N (mm)	14 a/f	14 a/f	17a/f	17a/f
P (mm)	17,0	17,0	22,5	22,5
Panel hole	12,5	12,5	14,5	14,5
Max panel thickness	4,0	4,0	4,0	4,0

NPT according to ANSI B 1 20 1

G according to BS 2779/ISO 228/1

Note: Washer and Nut for panel mounting are delivered as standard

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical Data'.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult Norgren.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products where applicable.

