

**Block form flow regulators
Uni-directional
M5, G1/8 to G1/2**

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 ... 10 bar (0,3 ... 10 bar for M5)

Ambient temperature:

-20°C ... +80°C

Consult our Technical Service for use below +2°C

Ordering example

Block form flow regulators G1/8

Type: T1000C1800

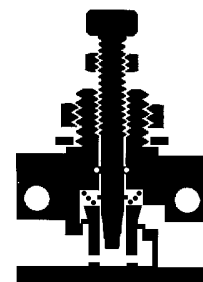
Materials

Body: aluminium alloy

Seals: nitrile

Needle & internal parts: brass

External parts: aluminium alloy



General informationen

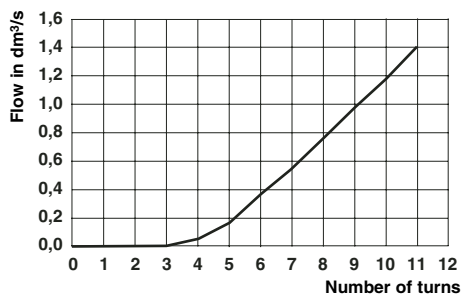
| Typ | Port size | Max. regulated flow factor | | | Free flow factor | | | Opening pressure (bar) | Weight (kg) |
|------------|-----------|----------------------------|------|--------|------------------|------|--------|------------------------|-------------|
| | | C *1) | Cv | Kv *2) | C *1) | Cv | Kv *2) | | |
| T1000M0500 | M5 | 0,28 | 0,07 | 0,06 | 0,28 | 0,07 | 0,06 | 0,3 | 0,020 |
| T1000C1800 | G1/8 | 0,57 | 0,14 | 0,12 | 1,50 | 0,37 | 0,32 | < 0,1 | 0,031 |
| T1000C2800 | G1/4 | 1,30 | 0,32 | 0,28 | 2,80 | 0,69 | 0,6 | < 0,1 | 0,056 |
| T1000C3800 | G3/8 | 4,80 | 1,17 | 1,62 | 6,70 | 1,64 | 1,43 | < 0,1 | 0,150 |
| T1000C4800 | G1/2 | 7,50 | 1,84 | 1,6 | 8,30 | 2,00 | 1,77 | < 0,1 | 0,180 |

*1) Measured in dm³/(s.bar)

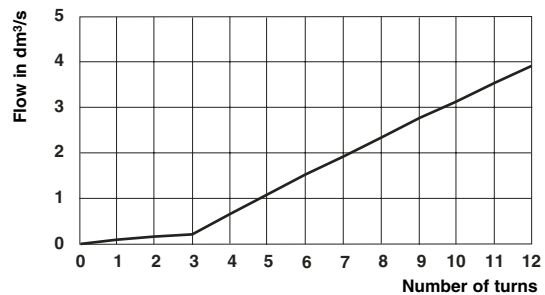
*2) Measured in m³/h

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

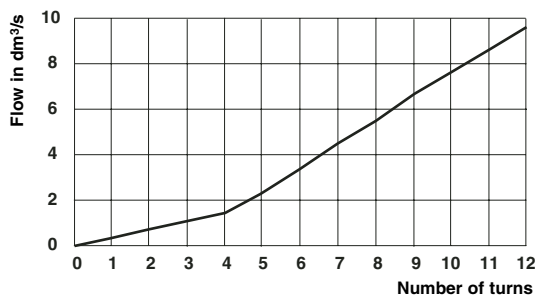
T1000M0500



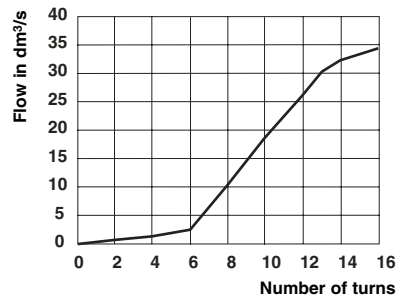
T1000C1800



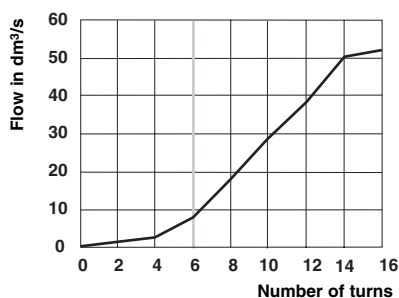
T1000C2800



T1000C3800



T1000C4800



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'.

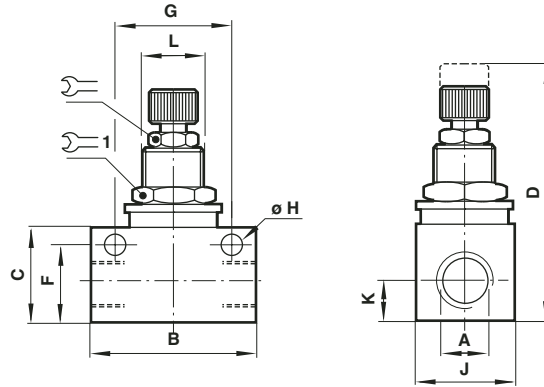
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN. Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.



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.

Dimensions



| Model | A | B | C | D | F | G | H | J | K | L |  |  | Panel-hole | Max. panel thickness |
|------------|------|------|------|------|------|------|-----|------|------|----------|---|---|------------|----------------------|
| T1000M0500 | M5 | 25,0 | 15,0 | 45,0 | 12,0 | 18,0 | 4,5 | 12,0 | 5,5 | M10x0,75 | 8 | 12 | 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 | 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 | 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 | 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 | 20,5 | 4,0 |

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