Exhaust Flow Regulators/Silencers
T20 Series

M5, ⅛" - ½" BSPP and NPT

- **Compact, integral flow regulator and silencer units**
- **Captive regulating needle will not blow out when unscrewed**
- **Reduced dimensions**

Technical Data

Medium:

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

Mounting:

Directly in the exhaust port
Hexagon key adjustment for flow regulation

Port Sizes: Male Thread

Metric	BSPP	NPT
M5 T20M0500	G⅛ T20C1800	⅛ NPT T20A1800
	G¼ T20C2800	¼ NPT T20A2800
	G⅜ T20C3800	⅜ NPT T20A3800
	G½ T20C4800	½ NPT T20A4800

Operating Pressure:
0 - 10 bar

Operating Temperature:
-20˚C* to +80˚C

*Air supply must be dry enough to avoid ice formation at temperatures below 2°C

Materials:

Nylon body and washer
Porous polyethylene silencer
High tensile zinc electroplated steel adjusting screw

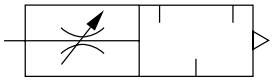
M5

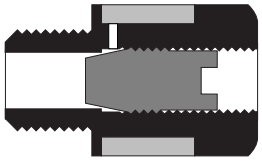
Nylon body
High tensile zinc electroplated steel adjusting screw

Ordering information

To order quote model number from table overleaf, e.g. T20C4800 for the regulator/silencer ½" BSP model.

Flow Regulator/Silencer



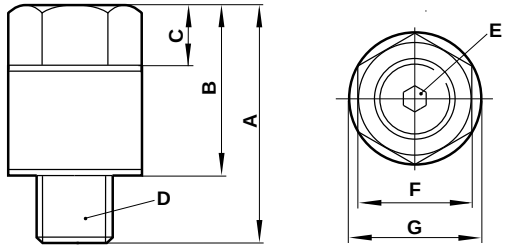


General Information

Model			Port Connection	Max. Flow Factor		Weight (g)
Metric	BSPP	NPT		C*	Cv**	
T20M0500			M5	0,3	0,07	1
	T20C1800	T20A1800	1/8	1,6	0,4	3
	T20C2800	T20A2800	1/4	3,2	0,8	7
	T20C3800	T20A3800	3/8	6,9	1,7	19
	T20C4800	T20A4800	1/2	10	2,4	43

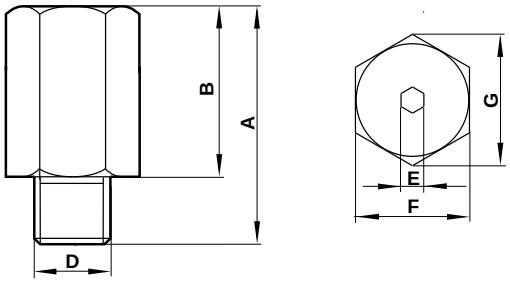
*C measured in $dm^3/(s.bar)$ **Cv measured in US gall/min

Flow Regulator/Silencer



Model		A	B	C	D	E A/F	F A/F	G
BSPP	NPT							
T20C1800	T20A1800	20,5	14,5	5	1/8	2,5	13	15
T20C2800	T20A2800	29	22	7	1/4	4	15	18
T20C3800	T20A3800	38	30	10,5	3/8	6	20	24
T20C4800	T20A4800	50	40	15	1/2	8	25	30

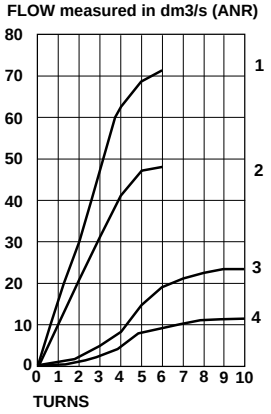
Flow Regulator/Silencer



Model	A	B	D	E A/F	F A/F	G
T20M0500	16	11	M5	1,5	8	9,25

Performance Characteristics Flow vs Turns

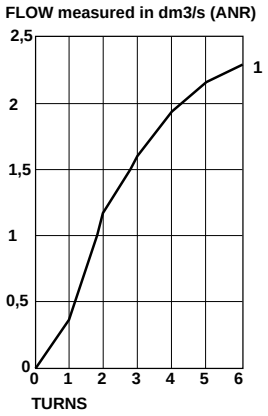
(at 6 bar inlet pressure)



1	T20C4800	T20A4800
2	T20C3800	T20A3800
3	T20C2800	T20A2800
4	T20C1800	T20A1800

Performance Characteristics Flow vs Turns

(at 6 bar inlet pressure)



1 T20M0500

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.