

- 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

Mounting:

Directly in the exhaust port

Port Size:

Combined Flow Regulator/Silencer- Male Thread (BSPT)

R<sup>1/8</sup> 04057100

R<sup>1/4</sup> 04057200

R<sup>3/8</sup> 04057300

R<sup>1/2</sup> 04057400

Flow Regulator module only- Male Thread (BSPT)

R<sup>1/8</sup> 04058100

R<sup>1/4</sup> 04058200

R<sup>3/8</sup> 04058300

R<sup>1/2</sup> 04058400

Silencer module only- Female Thread (BSPP)

G<sup>1/4</sup> 04059200

G<sup>1/2</sup> 04059400

Operating Pressure:  
0 - 10 bar

Operating Temperature:  
0°C to +80°C

Consult our Technical Service for use below +2°C

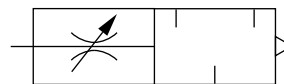
## Materials:

Brass body and nut, plastic needle, sintered bronze silencer

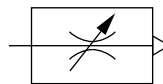
## Ordering information

To order quote model number from table overleaf, e.g. 04 0574 00 for the silencer/regulator 1/2" BSP model.

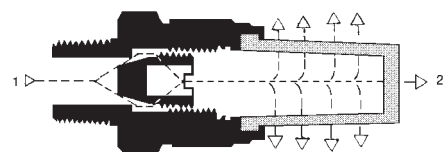
## Flow Regulator/Silencer



## Regulator



## Silencer



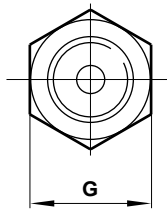
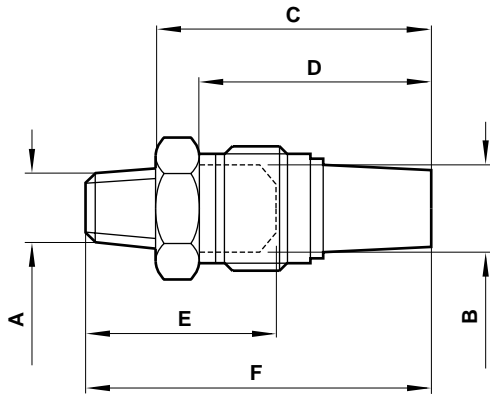


### General Information

Model	Type	Thread BSP taper	Max. turns	Maximum flow factor		Critical Pressure Ratio (b)	Weight (kg)	Replacement Modules	
				*C	**Cv			Regulator	Silencer
04 0571 00	Flow Regulator/Silencer	R 1/8	6	1,78	0,44	0,5	0,03	04058100	04059200
04 0572 00	Flow Regulator/Silencer	R 1/4	6	1,78	0,44	0,5	0,04	04058200	04059200
04 0573 00	Flow Regulator/Silencer	R 3/8	10	8,95	2,2	0,5	0,10	04058300	04059400
04 0574 00	Flow Regulator/Silencer	R 1/2	10	8,95	2,2	0,5	0,12	04058400	04059400

\*C :measured in dm<sup>3</sup>/(s.bar) \*\*Cv :measured in US gal/min

### Flow Regulator/Silencer



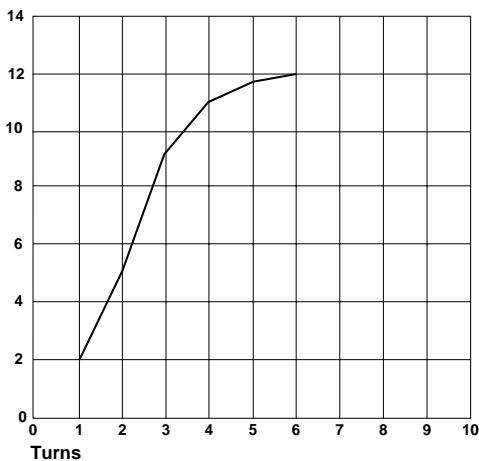
Model	A	B	C	D**	E*	F	G
04 0571 00	1/8	1/4	35,0	27,5	26,0	44,5	15
04 0572 00	1/4	1/4	35,5	27,5	27,5	46,0	15
04 0573 00	3/8	1/2	55,0	45,5	34,5	67,5	24
04 0574 00	1/2	1/2	53,5	45,5	36,5	69,5	24

A - According to ISO - 7/1  
 B - According to ISO - 228/1  
 \* Regular body  
 \*\* Silencer body

### Performance Characteristics

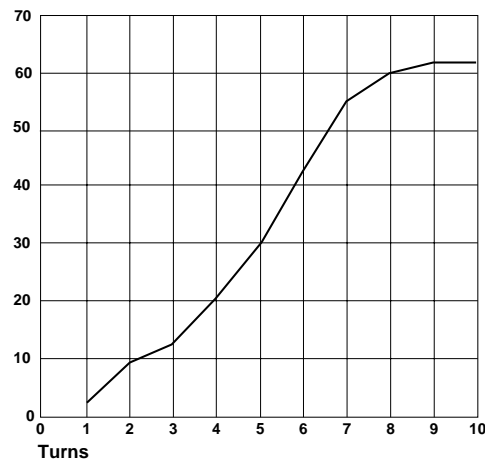
**0405 7100, 0405 7200 Flowrate**  
 Flow versus turns at 6 bar inlet pressure

Flow measured in dm<sup>3</sup>/s (ANR)



**0405 7300, 0405 7400 Flowrate**  
 Flow versus turns at 6 bar inlet pressure

Flow measured in dm<sup>3</sup>/s (ANR)



### 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.

- 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	G <sup>1</sup> / <sub>8</sub> T20C1800	1/8 NPT T20A1800
	G <sup>1</sup> / <sub>4</sub> T20C2800	1/4 NPT T20A2800
	G <sup>3</sup> / <sub>8</sub> T20C3800	3/8 NPT T20A3800
	G <sup>1</sup> / <sub>2</sub> T20C4800	1/2 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

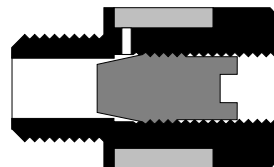
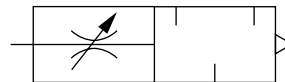
### Materials:

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 1/2" BSP model.

## Flow Regulator/Silencer



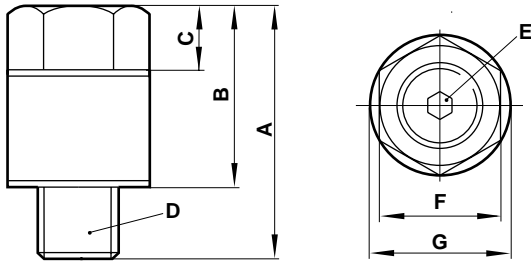


General Information

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

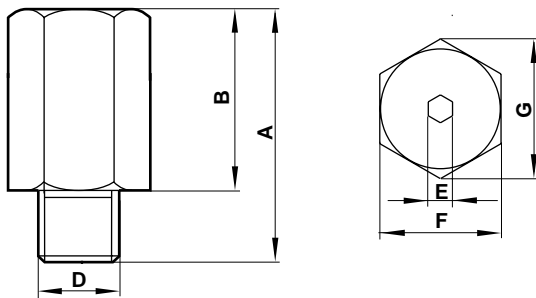
\*C measured in dm<sup>3</sup>/(s.bar) \*\*Cv measured in US gall/min

Flow Regulator/Silencer



Model		A	B	C	D	E	F	G
BSPP	NPT					A/F	A/F	
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

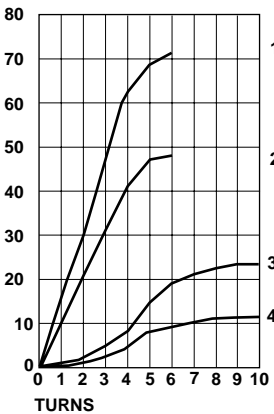


Model	A	B	D	E	F	G
				A/F	A/F	
T20M0500	16	11	M5	1,5	8	9,25

Performance Characteristics  
Flow vs Turns

(at 6 bar inlet pressure)

FLOW measured in dm<sup>3</sup>/s (ANR)

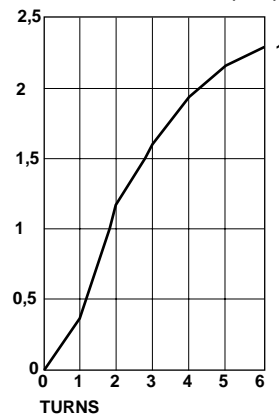


- 1 T20C4800 T20A4800
- 2 T20C3800 T20A3800
- 3 T20C2800 T20A2800
- 4 T20C1800 T20A1800

Performance Characteristics  
Flow vs Turns

(at 6 bar inlet pressure)

FLOW measured in dm<sup>3</sup>/s (ANR)



- 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.