

Silencers

Silencers are designed for installation on exhaust circuits **to reduce the noise levels** of equipment while operating, thus improving user comfort.

Product Advantages

Variety of Applications

- 2 versions incorporating flow control regulation
- Extremely compact models available
- Polyethylene: excellent balance between exhaust flow rate and noise reduction
- Sintered bronze: robust and economic
- 316L stainless steel: increased chemical resistance and mechanical strength



Robotics
Textile
Semi-Conductors
Packaging
Pneumatics

Applications

Technical Characteristics

Compatible Fluids	Compressed air
Working Pressure	Polyethylene: 0 to 10 bar Sintered bronze: 0 to 12 bar 316L stainless steel: 0 to 12 bar
Working Temperature	Polyethylene: -10°C to +80°C Sintered bronze: -20°C to +150°C 316L stainless steel: -20°C to +180°C

Component Materials

Body:

brass (0670-0673-0675-0671-0677-0672)
polymer (0674-0676)
stainless steel (0682-0683)

Silencer:
sintered bronze (0670-0673-0675-0671-0677-0672)
polymer (0674-0676)
316L stainless steel (0682-0683)

Silicone-free

Regulations

DI: 2002/95/EC (RoHS)
RG: 1907/2006 (REACH)
DI: 97/23/EC (PED)
DI: 2003/10/EC (Noise Directive)
Requirement to use ear protection if exposure > 8 hours (85 dBA)
RG: 1910.95(b) (OSHA)
Requirement to use ear protection if exposure > 8 hours (90 dBA)

Flow and Noise Levels for Silencers 0672 and 0676

0672


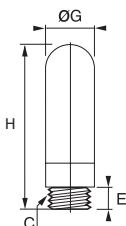

	Number of Turns						Noise Level in dBA at 6 bar and 350 NI/min
	0	1	2	3	4	5	
0672 00 10	0	200	600	740	-	-	81
0672 00 13	0	300	650	1280	-	-	82
0672 00 17	0	450	950	1300	1500	-	83
0672 00 21	0	830	1430	1800	2100	2220	83

0676


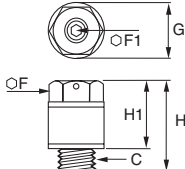

	Number of Turns										Noise Level in dBA at 6 bar and 350 NI/min
	0	1	2	3	4	5	6	7	8	9	
0676 00 10	0	30	90	210	335	370	390	390	395	395	82
0676 00 13	0	22	25	50	340	750	940	980	1000	1025	84
0676 00 19	0	22	69	97	125	143	-	-	-	-	81
0676 00 17	0	518	1147	1716	2153	2571	2823	2930	-	-	85
0676 00 21		814	1849	2880	4087	5044	5236	-	-	-	86

Silencers


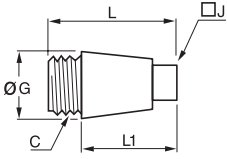

0674 Polymer Silencer, Male BSPP and Metric Thread

	Technical polymer 	C		E		G	H	kg
								
		M5x0.8	0674 00 19		4	6.5	23	0.003
		G1/8	0674 00 10		6	12.5	34	0.002
		G1/4	0674 00 13		7	15.5	42.5	0.003
		G3/8	0674 00 17		11.5	18.5	67.5	0.007
		G1/2	0674 00 21		11	23.5	78	0.010
		G3/4	0674 00 27		15.5	38.5	131	0.035
		G1	0674 00 34		19.5	49	160	0.056


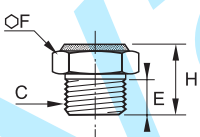

0676 Flow Control Polymer Silencer, Male BSPP and Metric Thread

	Technical polymer 	C		F		F1	G	H	H1	kg
										
		M5x0.8	0676 00 19		8	1.5	9.2	16	11	0.008
		G1/8	0676 00 10		13	2.5	15	20.5	14.5	0.003
		G1/4	0676 00 13		15	4	18	29	22	0.007
		G3/8	0676 00 17		20	6	24	38	30	0.018
		G1/2	0676 00 21		25	8	30	50	40	0.045


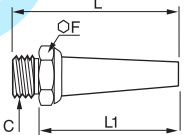

0670 Threaded Silencer, Male BSPP Thread

	Sintered bronze, brass 	C		G		J	L	L1	kg
									
		G1/8	0670 00 10		12	7	22	17	0.007
		G1/4	0670 00 13		15	9	27	21	0.015
		G3/8	0670 00 17		19	11	35	28	0.028
		G1/2	0670 00 21		23	13	43	34	0.049
		G3/4	0670 00 27		30	17	55	45	0.091
		G1	0670 00 34		37	21	65	53	0.152

0673 Compact Silencer, Male BSPP and Metric Thread


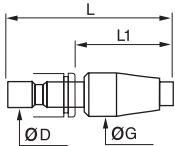

	Sintered bronze, brass 	C		E		F	H	kg
								
		M5x0.8	0673 00 19		4	7	8	0.001
		G1/8	0673 00 10		8	14	14	0.008
		G1/4	0673 00 13		8	17	14	0.012
		G3/8	0673 00 17		10	22	18	0.020
		G1/2	0673 00 21		12	27	21	0.042

0675 Threaded Silencer, Male BSPP and Metric Thread


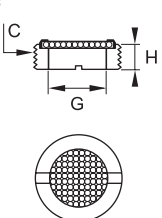

	Sintered bronze, brass 	C		F		L	L1	kg
								
		M5x0.8	0675 00 19		7	16	12	0.002
		M7x1	0675 00 55		11	25	19	0.005
		G1/8	0675 00 10		14	42	34	0.014
		G1/4	0675 00 13		17	52	44	0.022
		G3/8	0675 00 17		22	54	44	0.037
		G1/2	0675 00 21		27	65	53	0.072

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0671 Push-In Silencer


	<p>Sintered bronze, nickel-plated brass</p> 							
			ØD		G	L	L1	kg
			4	0671 04 00	13	41.5	24.5	0.015
			6	0671 06 00	15	48	29	0.024
			8	0671 08 00	15	49.5	29.5	0.025
			10	0671 10 00	19.5	68	43.5	0.052
	12	0671 12 00	20	68.5	43	0.052		

0677 Miniature Silencer, Male BSPP Thread


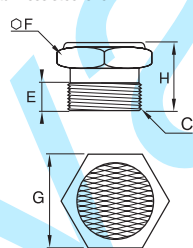

	<p>Brass</p> 	C		G	H	kg
		G1/8	0677 00 10	6	6	0.002
		G1/4	0677 00 13	8	6	0.003
		G3/8	0677 00 17	11	7	0.006
		G1/2	0677 00 21	14	8	0.010
		G3/4	0677 00 27	19	11	0.019
G1	0677 00 34	25	10	0.025		

0672 Flow Control Silencer, Male BSPP Thread


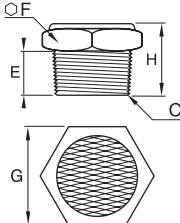

Sintered bronze, nickel-plated brass

C		E	F	G	H min	H max	kg
G1/8	0672 00 10	8	14	14	17	21	0.017
G1/4	0672 00 13	8	17	17	20	24	0.029
G3/8	0672 00 17	10	22	22	20	28	0.058
G1/2	0672 00 21	12	27	27	28	37	0.094

0682 Compact Silencer, Male BSPP Thread

	<p>Stainless steel 316L</p> 	C		E	F	G	H	kg
		G1/8	0682 00 10	8	7	14	15	0.007
		G1/4	0682 00 13	8	7	17	15	0.011
		G3/8	0682 00 17	10	8	22	18	0.019
		G1/2	0682 00 21	12	10	27	22	0.038
		G3/4	0682 00 27	15	12	32	27	0.063
G1	0682 00 34	18	14	38	32	0.117		

0683 Compact Silencer, Male NPT Thread

	Stainless steel 316L		C		E	F	G	H	kg
	NPT1/8		0683 00 11	7	7	14	14	0.007	
	NPT1/4		0683 00 14	11	7	17	18	0.014	
	NPT3/8		0683 00 18	11	8	22	19	0.021	
	NPT1/2		0683 00 22	15	10	27	25	0.043	