

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



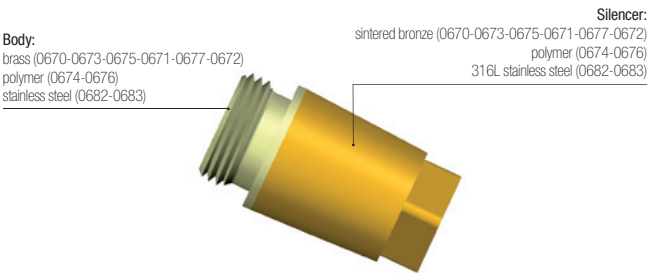
Applications

- Robotics
- Textile
- Semi-Conductors
- Packaging
- Pneumatics

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



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)

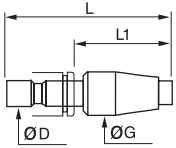
Flow and Noise Levels for Silencers 0672 and 0676

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

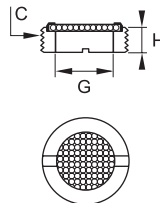
0676	Number of Turns										Noise Level in dBA at 6 bar and 350 NI/min
	0	1	2	3	4	5	6	7	8	9	
0676 00 10	0	30	90	210	335	370	390	390	395	395	82
0676 00 13	0	22	25	50	340	750	940	980	1000	1025	84
0676 00 19	0	22	69	97	125	143	-	-	-	-	81
0676 00 17	0	518	1147	1716	2153	2571	2823	2930	-	-	85
0676 00 21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

Silencers

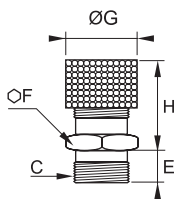
0671 Push-In Silencer

	Sintered bronze, nickel-plated brass		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

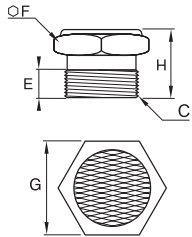
0677 Miniature Silencer, Male BSPP Thread

	Brass		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

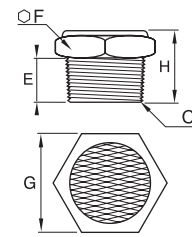
0672 Flow Control Silencer, Male BSPP Thread

	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

	Stainless steel 316L		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