

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

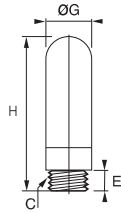
0672	Number of Turns						Noise Level in dBA at 6 bar and 350 NI/min
	0	1	2	3	4	5	
0672 00 10	0	200	600	740	-	-	81
0672 00 13	0	300	650	1280	-	-	82
0672 00 17	0	450	950	1300	1500	-	83
0672 00 21	0	830	1430	1800	2100	2220	83

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

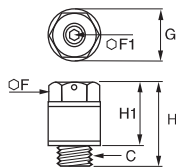
Technical polymer



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

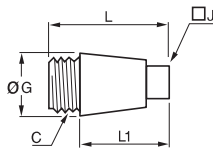
Technical polymer



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	0.006
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

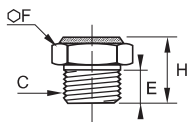
Sintered bronze, brass



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	53.5	0.087
G1	0670 00 34	37	21	65	53	0.148

0673 Compact Silencer, Male BSPP and Metric Thread

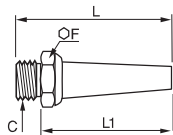
Sintered bronze, brass



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	0.023
G1/2	0673 00 21	12	27	21	0.041

0675 Threaded Silencer, Male BSPP and Metric Thread

Sintered bronze, brass

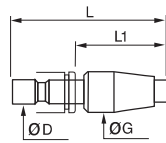


C		F	L	L1	Kg
M5x0.8	0675 00 19	7	16	12	0.002
M7x1	0675 00 55	11	25	19	0.005
G1/8	0675 00 10	14	42	34	0.014
G1/4	0675 00 13	17	52	44	0.023
G3/8	0675 00 17	22	54	44	0.038
G1/2	0675 00 21	27	65	53	0.073

Silencers

0671 Push-In Silencer

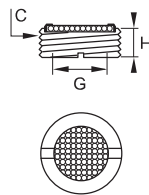
Nickel-plated brass, sintered bronze



ØD		G	L	L1	Kg
4	0671 04 00	13	43.5	28.5	0.015
6	0671 06 00	15	50	33.5	0.024
8	0671 08 00	15	51	34	0.025
10	0671 10 00	19.5	67	45.5	0.052
12	0671 12 00	20	68	45	0.052

0677 Miniature Silencer, Male BSPP Thread

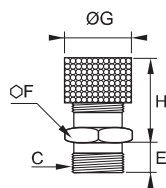
Sintered bronze, brass



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	0.005
G1/2	0677 00 21	14	8	0.010
G3/4	0677 00 27	19	11	0.018
G1	0677 00 34	25	10	0.026

0672 Flow Control Silencer, Male BSPP Thread

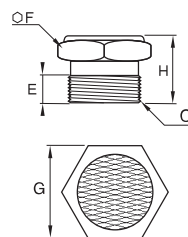
Sintered bronze, nickel-plated brass



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	0.056
G1/2	0672 00 21	12	27	27	28	37	0.094

0682 Compact Silencer, Male BSPP Thread

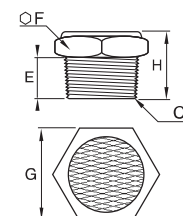
Stainless steel 316L



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	0.008
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	0.042