

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



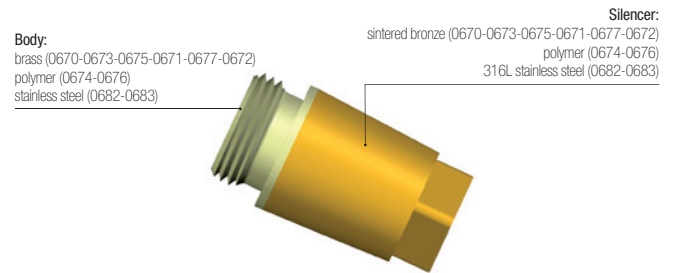
Robotics
Textile
Semi-Conductors
Packaging
Pneumatics

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



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)


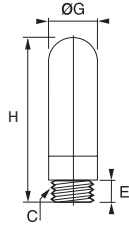

Flow and Noise Levels for Silencers 0672 and 0676

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


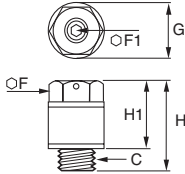

0676	Number of Turns										Noise Level in dBA at 6 bar and 350 NI/min
	0	1	2	3	4	5	6	7	8	9	
0676 00 10	0	30	90	210	335	370	390	390	395	395	82
0676 00 13	0	22	25	50	340	750	940	980	1000	1025	84
0676 00 19	0	22	69	97	125	143	-	-	-	-	81
0676 00 17	0	518	1147	1716	2153	2571	2823	2930	-	-	85
0676 00 21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

Silencers


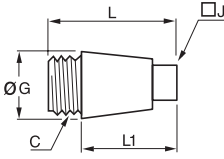

0674 Polymer Silencer, Male BSPP and Metric Thread

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


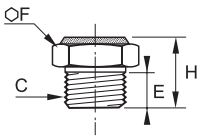

0676 Flow Control Polymer Silencer, Male BSPP and Metric Thread

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


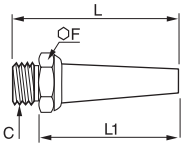

0670 Threaded Silencer, Male BSPP Thread

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

0673 Compact Silencer, Male BSPP and Metric Thread

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

0675 Threaded Silencer, Male BSPP and Metric Thread

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