

# 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

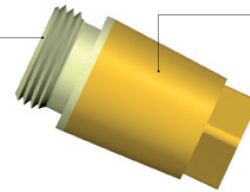
## Technical Characteristics

<b>Compatible Fluids</b>	Compressed air
<b>Working Pressure</b>	Polyethylene: 0 to 10 bar Sintered bronze: 0 to 12 bar 316L stainless steel: 0 to 12 bar
<b>Working Temperature</b>	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	
LE-0672 00 10	0	200	600	740	-	-	81
LE-0672 00 13	0	300	650	1280	-	-	82
LE-0672 00 17	0	450	950	1300	1500	-	83
LE-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	
LE-0676 00 10	0	30	90	210	335	370	390	390	395	395	82
LE-0676 00 13	0	22	25	50	340	750	940	980	1000	1025	84
LE-0676 00 19	0	22	69	97	125	143	-	-	-	-	81
LE-0676 00 17	0	518	1147	1716	2153	2571	2823	2930	-	-	85
LE-0676 00 21		814	1849	2880	4087	5044	5236	-	-	-	86