

PNEUMATIC MUFFLERS

Pressures To 600 PSIG (41.4 barg)
Temperatures to 220°F (104°C)



Reduces Noise to Acceptable Levels — Specifically designed to reduce the noise of exhaust.

Compact and Lightweight — Adds minimal space and weight to installation.

Durable Construction — Will provide years of service.

Corrosion Proof — Nylon and felt construction will not corrode in most services.

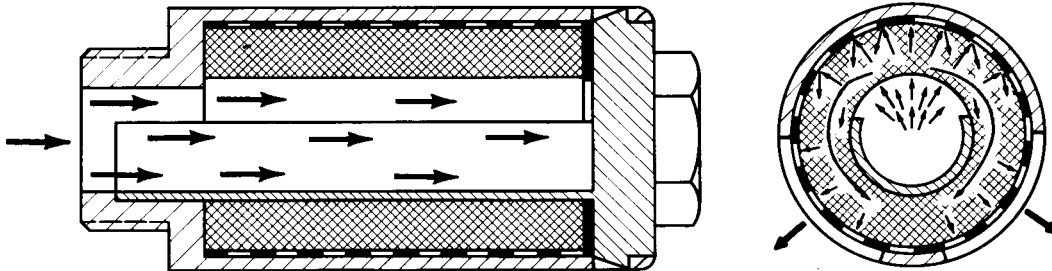
Applications

- 2, 3 and 4-way Valves
- Pneumatic Cylinders
- Air Motors
- Air Tools
- Instrumentation
- Bench Fixtures
- Test Panels
- Relief Valves

Operation

The muffler housing and plug are made of nylon. compressed exhaust air enters the muffler as shown by the flow arrows. It is then diverted by a plastic

insert sleeve through a packing of sound deadening felt and out through exit slots. A fine mesh screen shields the felt packing and retains it in position.



PNEUMATIC MUFFLERS

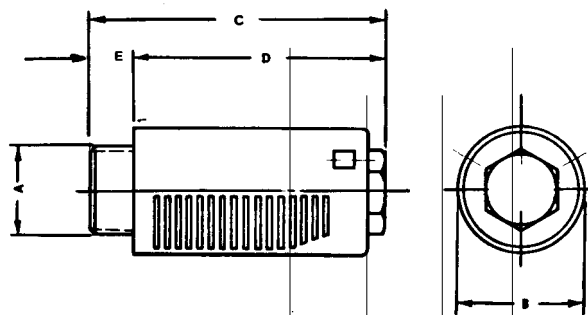
Maximum Operating Conditions

PMO: Max. Operating Pressure 600 psig (41.3 barg)
TMO: Max. Operating Temperature 220°F (104°C)

PMA: Max. Allowable Pressure 600 psig (41.3 barg)
TMA: Max. Allowable Temperature 220°F (104°C)

Materials of Construction

Housing: Nylon
Screen: Aluminum
Media: Felt

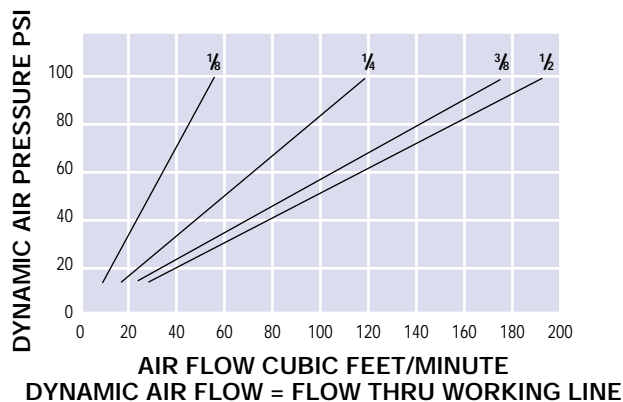
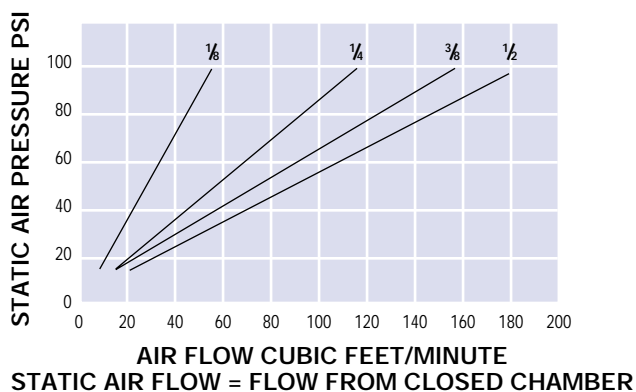


Connections: 1.8" - 1/2" NPT

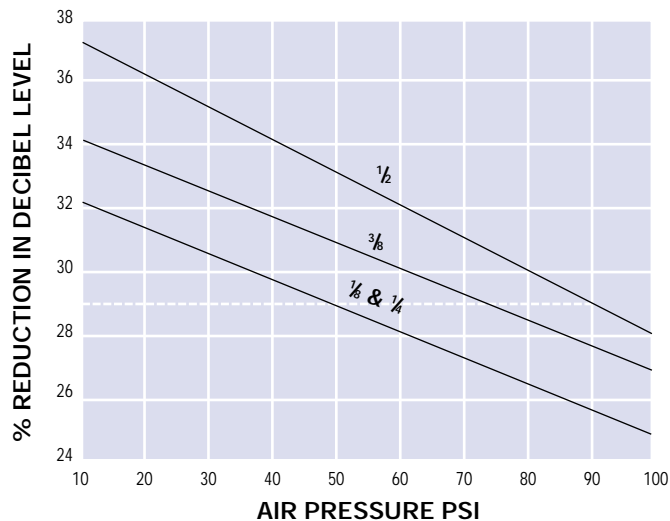
Dimensions

A NPT Size	Inches			
	B	C	D	E
1/8"	.63	1.72	1.38	.34
1/4"	.83	2.06	1.66	.40
3/8"	.99	2.43	2.03	.40
1/2"	1.18	2.90	2.37	.53

AIR FLOW AND SOUND MEASUREMENTS OF NICHOLSON PNEUMATIC MUFFLERS



SOUND LEVELS ON A WEIGHING SCALE



USING GRAPH

Condition: Exhaust of air at 90 PSI produces a noise level of 100 dbA. Noise must be reduced to an acceptable level.

Solution: 1/2" Muffler will reduce level 29%.
Muffled discharge will be at 71 dbA.