

SOUNDSCREEN™ Pneumatic Silencers

a McGill AirSilence™ Product

Product Bulletin 4233

United McGill® products



Pneumatic silencers

SOUNDSCREEN Pneumatic Silencers Control Excessive Exhaust Air Noise

Control valves create a blast of noise when exhaust air is released directly to the atmosphere. SOUNDSCREEN Pneumatic Silencers control that excessive noise by reducing the velocity and turbulence of the exhaust air flow.

Simple and easy to apply, the silencers screw directly into the exhaust port of the control valve. A Pneumatic silencer can reduce the noise from a single exhaust port from 90 dBA to about 60 dBA. That reduction is significant. Ninety dBA corresponds to the noise of a heavy truck passing just a few feet away while 60 dBA is equivalent to normal conversation at a similar distance. Specific noise reduction varies with each application's size, working pressure, and exhaust configuration.

Shatterproof Nature Increases Plant Safety

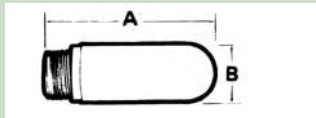
SOUNDSCREEN Pneumatic Silencers have been tested at 200 psi. The maximum recommended working pressure and temperature is 150 psi and 165°F. An additional safety factor is the shatterproof nature of the silencer material. The porous body is made from tough, high density polyethylene. The solid threaded base, made from the same grade polyethylene, is welded to the body to form an integral single piece unit. In the event of an accidental blow, the resilient, high density polyethylene prevents the silencer from shattering and sending dangerous fragments flying.

Low-Maintenance

Maintenance is usually unnecessary. The porous body of the silencer is made by the same powder sintering process used in making filter materials for gases and liquids. Moderately clean air and water will pass through the SOUNDSCREEN Pneumatic Silencer, eliminating the problem of excessive clogging. Should cleaning be required, a solvent with low flammability such as methylene chloride, is recommended.

Availability

All sizes are available for shipment from stock. SOUNDSCREEN Pneumatic Silencer model dimensions are shown below.



Part Number	NPT Size	A	B	Weight (ounces)
PAS-1	1/8"	1 3/8"	5/8"	.106
PAS-2	1/4"	1 5/8"	3/4"	.176
PAS-3	3/8"	2 3/4"	1"	.353
PAS-4	1/2"	2 7/8"	1"	.423
PAS-5	3/4"	5 1/2"	1 1/2"	1.410
PAS-6	1"	5 1/2"	2"	2.010

Moderately clean air and water will pass right through the SOUNDSCREEN Pneumatic Silencer thereby eliminating the problem of excessive clogging.

Products depicted in this specification sheet were current at the time of publication. As a quality-conscious manufacturer, McGill AirSilence is continually seeking ways to improve its products to better serve its customers. Therefore, all designs, specifications, and product features are subject to change without notice.

United McGill® is a registered trademark, and McGill AirSilence™ and SOUNDSCREEN™ are trademarks of United McGill Corporation.

McGill AirSilence LLC

An enterprise of United McGill Corporation — Founded in 1951

2400 Fairwood Avenue
Columbus, Ohio 43207-2700
614/443-5520, Fax: 614/542-2620
E-mail: acoustics@mcgillairsilence.com
Web site: mcgillairsilence.com