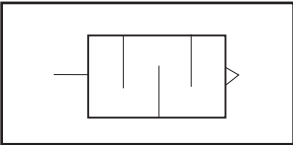


POLYETHYLENE MUFFLER

PEM-SERIES



Symbol



PEM-Series muffler uses high-density porous polyethylene body ultrasonically welded to the solid polyethylene base. It is light weight, durable and highly effective for noise reduction without excessive back pressure. The uniquely structured porous polyethylene channels escaping air through a tortuous path reduce the noise level within OSHA requirements.

The durable porous polyethylene body can withstand high working pressures up to 150 PSI. In an unlikely event of a blowout, resilient porous plastic body will not shatter, therefore no danger of flying fragments. The polyethylene plastic is completely non-corrosive and highly resistant to water and oil usually present in compressed air lines and can be easily cleaned with methylene chloride or similar cleansing fluid.

Available in three (3) air flows:

Standard flow (70 um - black base)

Fine flow (20 um - blue base)

Medium flow (35 um - red base)

Unit should be mounted in a protective position free from excessive vibration. Hand tightens to the device only.

NOISE ELIMINATION EFFECT

Model Number	Sound Pressure dB(A)		
	Fine Flow 20 um (Blue Base)	Medium Flow 35 um (Red Base)	Standard Flow 70 um (Black Base)
PEM-18 (1/8")	80	85	90
PEM-18 (1/4")	77	80	88
PEM-18 (3/8")	80	81	86
PEM-18 (1/2")	77	82	85
PEM-18 (3/4")	81	81	85
PEM-18 (1")	78.5	82	84

Inlet Pressure: 125 PSI

HOW TO ORDER

PEM

Polyethylene
Muffler



Connection (NPTM)
18=1/8", 28=1/4"
38=3/8", 48=1/2"
68=3/4", 88=1"



Element Porosity
None=Standard flow (70 um)
20=Fine flow (20 um)
35=Medium flow (35 um)

SPECIFICATION

ITEM	MODEL	PEM-18	PEM-28	PEM-38	PEM-48	PEM-68	PEM-88
CONNECTION	NPTM	1/8"	1/4"	3/8"	1/2"	3/4"	1"
OVERALL LENGTH	IN.	1-15/32" (37mm)	1-3/4" (44mm)	2-13/16" (71mm)	3-5/32" (80mm)	5-1/4" (133mm)	5-3/32" (129mm)
DIAMETER		5/8" (15.6mm)	51/64" (20mm)	1" (26mm)	1" (26mm)	1-1/2" (38mm)	2" (50mm)
MATERIAL	BODY	POLYETHYLENE (PE)					
	ELEMENT	POLYETHYLENE (PE)					
MAX OPERATING PRESSURE		150 PSI (10.5 kg/cm ²)					
OPERATING TEMPERATURE		41°F TO 140°F (5°C to 60°C)					
WEIGHT (APPROX.)	OZ.	0.10	0.15	0.36	0.41	1.34	2.22
UNIT PACK	EA.	5	5	5	5	5	5