VOLUM DAMPER (ROUND)

Jiangsu Sheng Jian Environmental Equipment Co. Ltd. certifies that the VOLUM DAMPER (ROUND) shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program.The AMCA Certified Ratings Seal applies to Air Leakage and Air Performance only.

Description

VOLUM DAMPER (ROUND) is a low leakage volume control damper. Products of different materials have the same processing technology and sealing structure. Materials can be selected according to system type and product operation environment.
Actuator include Manual and electric,Pneumatic.

Standard Construction

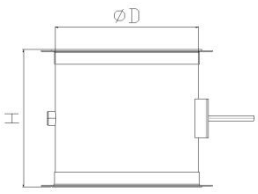
Frame: Stainless steel welding coating / Stainless steel / Carbonsteel / Galvanize

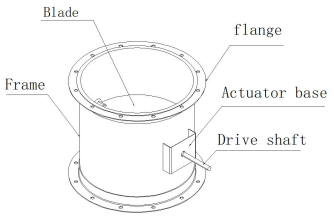
Blade: Stainless Steel blade with Teflon-Rubber coated seal
Stainless steel / Carbonsteel / Galvanize blade with EPDM-Rubber coated seal

Damper Sizes

Min Size: 100mm (D)

Max Size: 950mm (D)





Ratings

Pressure: 0 to 2.5KPa pressure differential
Temperature: 0°C to 49°C (32°F - 120°F)
Leakage： Class 1A at 0.25 KPa
Class 1 at 1.0KPa
Class 1 at 1.5KPa
Class 1 at 2.0KPa
Class 1 at 2.5KPa

Test Information

Air leakage is based on operation between 0°C to 49°C (32°F - 120°F)
Tested for air leakage in accordance with ANSI/AMCA Standard 500-D, Figure 5.6A / Figure 5.4 Alternate
Tested for air performance in accordance with ANSI/AMCA Standard 500-D, Figure 5.3

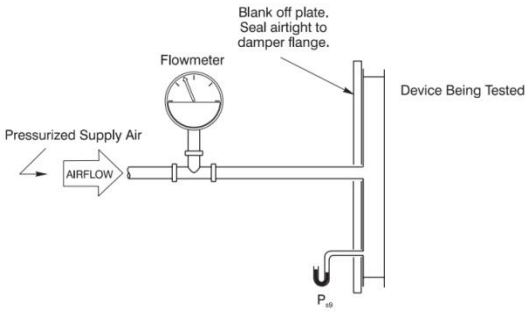


Figure 5.6A

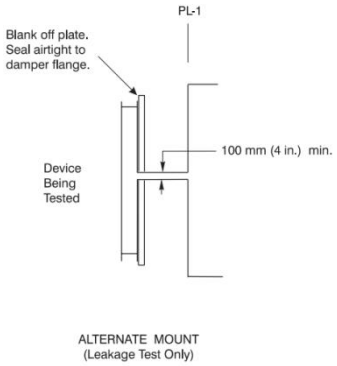
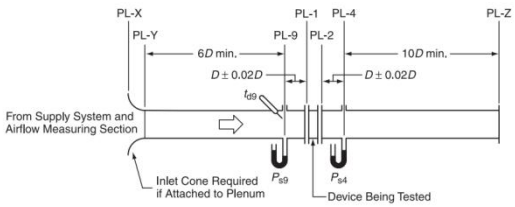


Figure 5.4 Alternate



$D = \sqrt{4ab/\pi}$ for rectangular ducts (where a = duct width and b = duct height).

D = duct diameter for round ducts.

Figure 5.3

Torque

Data are based on a torque of 3820.2N.m/m2 applied to close and seat the damper during the test

Leakage Performance

Damper Size	Torque	Leakage Class				
		at 0.25 kpa	at 1 kpa	at 1.5 kpa	at 2.0 kpa	at 2.5 kpa
ϕ100	30 N.M	1A	1	1	1	1
ϕ950	120 N.M	1A	1	1	1	1

Air Performance