



## VOLUM DAMPER (SQUARE)



Jiangsu Sheng Jian Environmental Equipment Co. Ltd. certifies that the VOLUM DAMPER (SQUARE) 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 (SQUARE) 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.

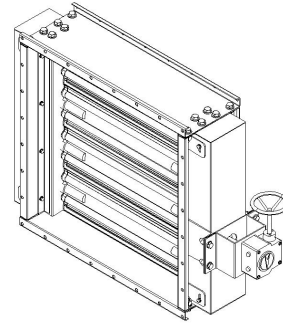
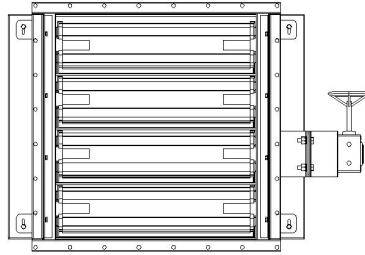
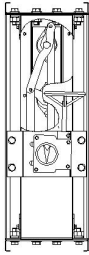
### Standard Construction

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: 100\*100 (mm)

Max Size: 3500\*3500 (mm)

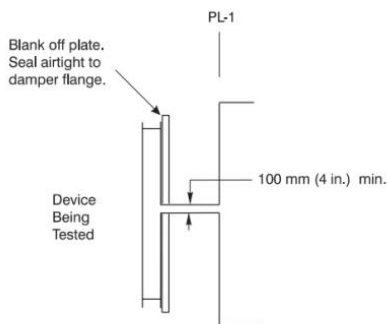


## Test Information

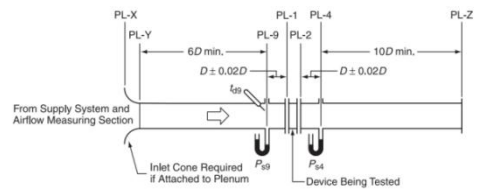
Air leakage is based on operation between 0°C to 49°C (32°F - 120°F)

Tested for air leakage in accordance with ANSI/AMCA Standard 500-D, Figure 5.4 Alternate

Tested for air performance in accordance with ANSI/AMCA Standard 500-D, Figure 5.3



ALTERNATE MOUNT  
(Leakage Test Only)



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

$D$  = duct diameter for round ducts.

Figure 5.4 Alternate

Figure 5.3

## Torque

Data are based on a torque of 135.3 N.m/m<sup>2</sup> applied to close and seat the damper during the test



## Leakage Performance

| Damper Size | Torque  | Leakage Class |          |            |            |            |
|-------------|---------|---------------|----------|------------|------------|------------|
|             |         | at 0.5 kpa    | at 1 kpa | at 1.5 kpa | at 2.0 kpa | at 2.5 kpa |
| 305*1220    | 50 N.M  | 1             | 1        | 1          | 1          | 1          |
| 1250*914    | 125 N.M | 2             | 2        | 2          | 2          | 2          |

## Air Performance

