

Opposed Blade Aluminum Damper



Materials Used

BLADE

Extruded aluminum, 4 in. nominal dimension
Thermoplastic rubber gasket

Material: Aluminum 6063

Treatment: T5

Finish: Mill

FRAME

U-shaped extruded aluminum, 5 in. nominal dimension

BLADE BLOCKS

Polyamide and fiberglass

Material: PA6 + GF 20%

Color: Black

GEARS

Copolymer polypropylene and fiberglass

Optional flame retardant V-5

CONTROLS

Square Control Pin 12mm / 0.5 in.

Optional die-cast aluminum handle

WORKING TEMPERATURE

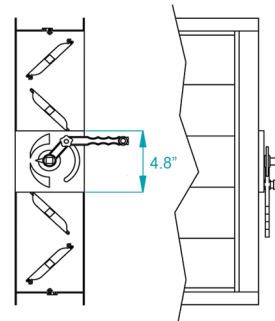
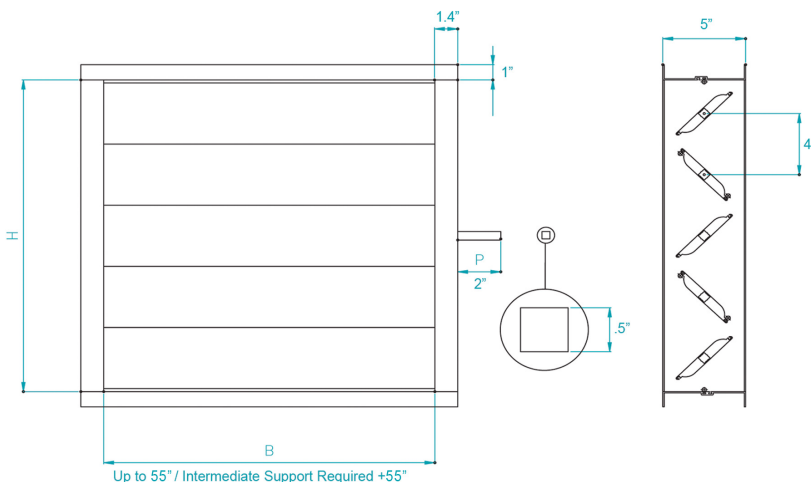
Minimum: -15 °C / 5 °F

Maximum: 80 °C / 176 °F

SINGLE BLADE MAXIMUM WIDTH

Without intermediate support: 55 in.

Construction



OPTIONAL MANUAL HANDLE PART NO. MPS93

Taller dampers may require additional drive shafts which can be linked together. Automated actuators may be used. Actuators not sold in house.

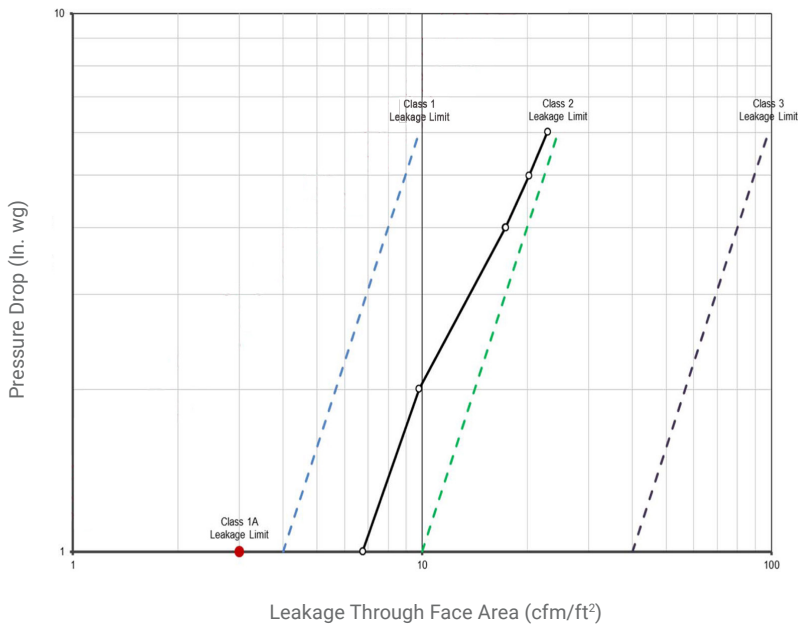
Performance Testing

AIR LEAKAGE

Product Name: Standard Damper
Damper Type: Volume Control
Blade Action: Opposed
Blade Orientation: Horizontal
Model Number: SD 55" x 36" h
Size: 55" x 36" x 5" nominal OD
Face Area: 13.75 ft²
Flow Direction: Exhaust
Applied Torque: 5.75 Lb-in./ft²
(To seat damper during test)

Pressure drop tested per ANSI/AMCA Standard 500-D-07, Figure 5.4 Alternate.

Air Leakage based on operation between temperatures of 0–49 °C (32–120 °F).



PRESSURE DROP

Product Name: Standard Damper
Damper Type: Volume Control
Blade Action: Opposed
Blade Orientation: Horizontal
Model Number: SD 24" x 24" h
Size: 24" x 24" x 5" nominal OD
Face Area: 4 ft²
Flow Direction: Exhaust
Blade Position: Open

Pressure drop tested per ANSI/AMCA Standard 500-0-07, Figure 5.3.

