

Model 616/617 multi-blade round control damper is designed to provide airflow regulation within round HVAC ductwork. These dampers are for applications that require efficient airflow control in low to medium pressure velocity systems. Its construction features triple-V blades and a durable round frame that provides reliable performance, making it an optimal choice for a wide range of applications.

STANDARD CONSTRUCTION:

- FRAME:** 2" (59) deep
(16"-21" dia.) 1/8" x 2" hot rolled steel
(21"-72" dia.) 1/4" x 2" hot rolled steel
- BLADES:** 616 - 6" (152) wide opposed blades, 16 ga. Galvanized Steel
617 - 6" (152) wide parallel blades, 16 ga. Galvanized Steel
- LINKAGE:** 616 - Plated steel blade mounted as shown
617 - Plate steel blade mounted at mid span
- BEARINGS:** Bronze oil impregnated.
- AXLES:** 7/16" Plated Hex.
- BLADE SEALS:** Optional.
- TEMPERATURE RANGE:** -50°F to 180°F (-46°C to 82°C)

Sizes (Duct W x H):

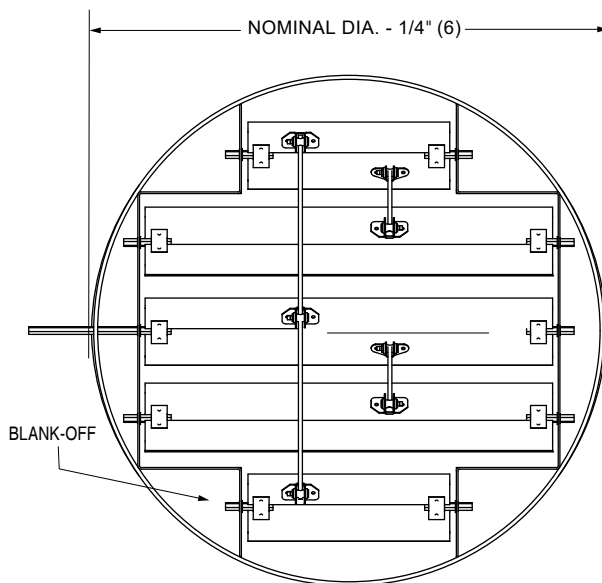
Single Section	
Minimum	Maximum
16" (406) dia.	72" (1829) dia.

OPTIONS:

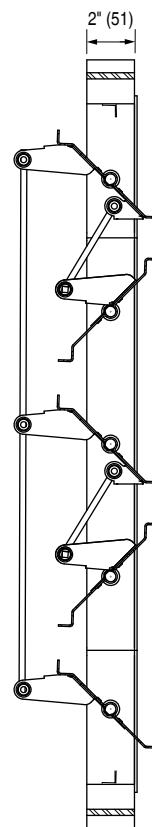
- ☐ **BO** Oilite bearings
- ☐ **BS** Stainless steel bearings
- ☐ **BSP** Polyurethane foam blade seals
- ☐ **BSS** Silicone blade edge
- ☐ **BPV** PVC blade seals
- ☐ **HLQ** Hand locking quadrant
- ☐ **HLQ2** Hand locking quadrant with 2" (51) stand-off bracket
- ☐ **304** Type 304 Stainless steel construction
- ☐ Special Features: _____ .

ACTUATORS:

Safe-Air offers a comprehensive selection of electric and pneumatic actuators for factory or field installation.



ELEVATION



SCHEDULE TYPE:

PROJECT:

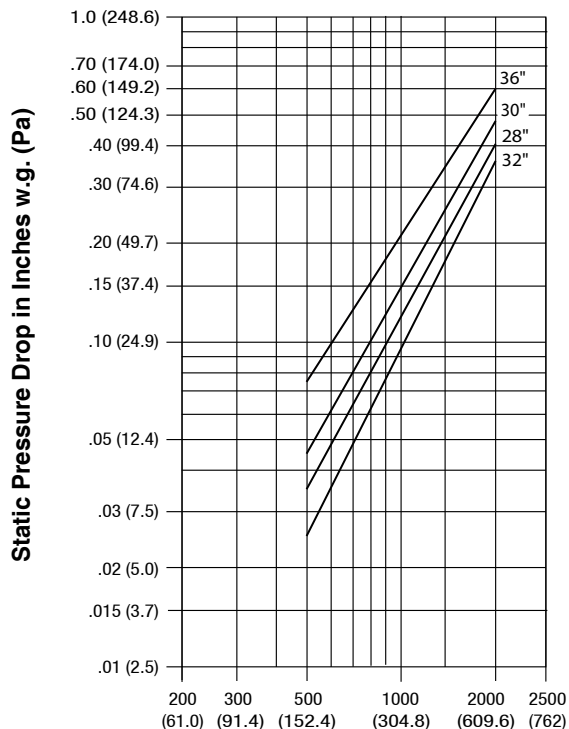
ENGINEER:

CONTRACTOR:

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Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
4 - 4 - 25	600	New	616/617

PRESSURE DROP



Air Velocity in Feet (Meters) Per Minute Through Free Area

Pressure loss tested in accordance
with Figure 5.3 of AMCA Standard 500-D-18.

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

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DATE

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SUPERSEDES

DRAWING NO.

4 - 4 - 25

600

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