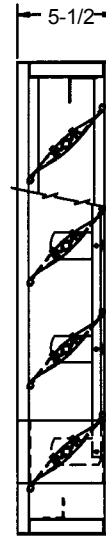
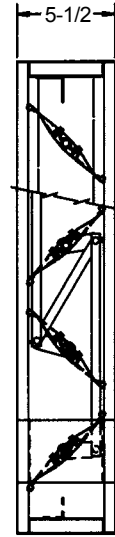


FACE VIEW



AC-515
PARALLEL BLADE



AC-516
OPPOSED BLADE

| ABI ITEM NO. | QUANTITY | MODEL TYPE AC-515 OR AC-516 | "A" WIDE OPENING | "B" HIGH OPENING | ACT. POSITION LEFT HAND | ACT. LOCATED IN AIRSTREAM | OIL IMPREG SLEEVE BEARINGS (300°F) | STAINLESS STEEL SLEEVE BEARINGS (300°F) | OPTIONS | COMMENTS |
|--------------|----------|--------------------------------|---------------------|---------------------|----------------------------|------------------------------|--|---|---------|----------|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

STANDARD SPECIFICATIONS

FRAME: 5-1/2" x 7/8" x 16-GA GALVANIZED STEEL HAT CHANNEL

BLADES: DOUBLE SKIN GALVANIZED STEEL CONSTRUCTION. AIRFOIL SHAPED, 6-9/16" WIDE. DEPENDING UPON DAMPER HEIGHT, A VARIABLE WIDTH BLADE MAY BE REQUIRED, WHICH WILL EXTEND TO A MAXIMUM OF 3-1/4" FROM EITHER THE FRONT OR BACK OF THE DAMPER. IF THE EXACT DIMENSIONS OF THIS VARIABLE BLADE IS CRITICAL, CONTACT ABI.

SEALS: SILICONE ON BLADE EDGES, AND METALLIC COMPRESSION AT JAMBS.

BEARINGS: HEAVY DUTY MOLDED NYLON

STOPS: GALVANIZED STEEL ANGLE AT HEAD AND SILL.

LINKAGE: IN-JAMB TYPE; LOCATED OUTSIDE THE AIRSTREAM; PLATED STEEL TIE BAR & CRANK PLATES, AND STAINLESS STEEL PIVOTS.

FINISH: MILL

ACTUATOR: 6" EXTENDED SHAFT. DAMPERS MORE THAN ONE PANEL WIDE OR HIGH AND OPERATED WITH ONE ACTUATOR MUST BE JACKSHAFTED.

NOTES

- ANY VARIATIONS TO THE STANDARD SPECIFICATIONS MUST BE FACTORY APPROVED IN ADVANCE.
- MAX. PANEL SIZE: 48" WIDE x 72" HIGH
MIN. PANEL SIZE: 8" WIDE x 8" HIGH (PARALLEL)
8" WIDE x 16" HIGH (OPPOSED)
- "A" (WIDTH) AND "B" (HEIGHT) DIMENSIONS ARE OPENING SIZES. DAMPERS WILL BE FABRICATED 1/4" UNDERSIZE.
- FOR MAX. PRESSURE AND MAX. VELOCITY SEE REVERSE SIDE.
- DAMPERS MAY BE INSTALLED VERTICALLY OR HORIZONTALLY, BUT WE DO NOT RECOMMEND INSTALLATION WITH THE BLADES IN THE VERTICAL POSITION.

PROJECT: _____

LOCATION: _____

ARCHITECT: _____

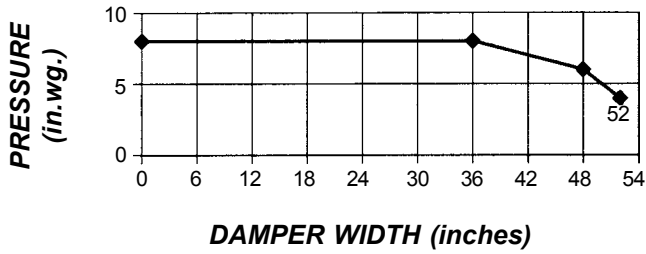
ENGINEER: _____

CONTRACTOR: _____

PO NUMBER: _____

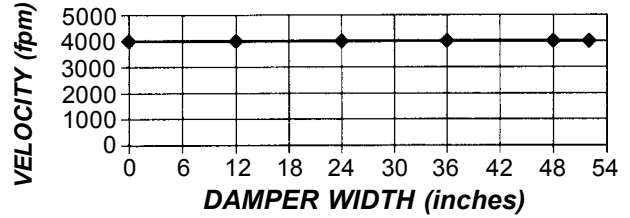
PRESSURE LIMITATIONS:

The pressure limitations shown below are based on the design limits of the axles or blade deflection. Another model should be selected if pressure exceeds the values shown.

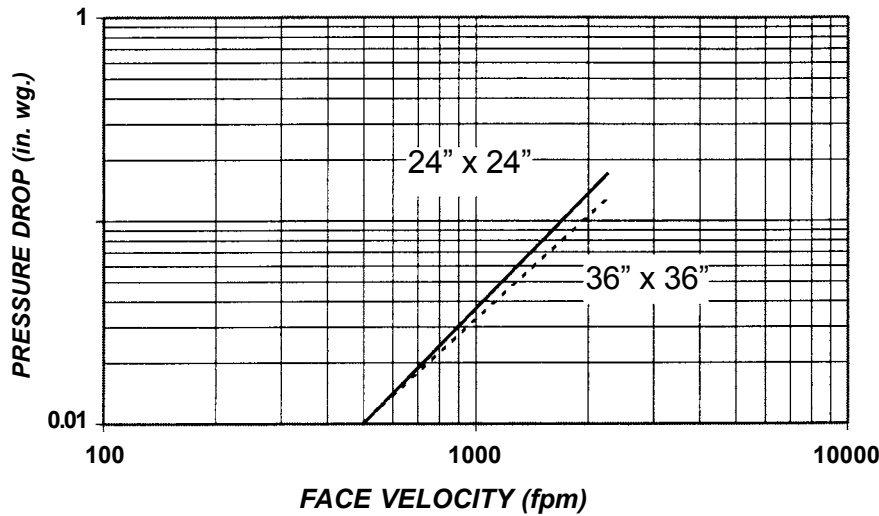


TORQUE:

| TORQUE | |
|-----------------------|---------------------------|
| DIFFERENTIAL PRESSURE | IN.-LBS./SQ. FT. REQUIRED |
| 2" W.G. | 5 |
| 4" W.G. | 10 |
| 6" W.G. | 15 |



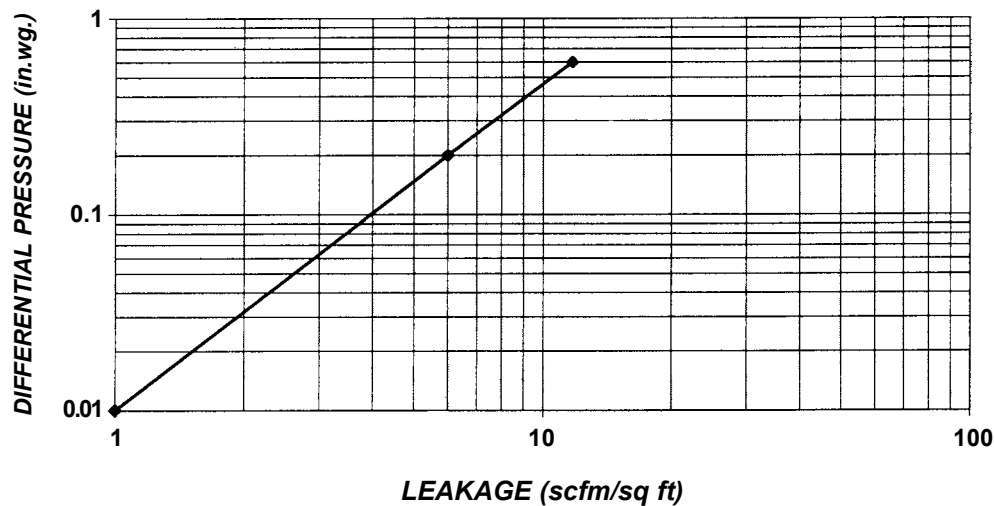
PRESSURE DROP: TYPICAL PERFORMANCE CURVE



Tested per AMCA Standard 500; Figure 5.3. Size tested: 24" x 24" and 36" x 36"

NOTE: Curves are for the two sizes indicated. Pressure drops will be somewhat lower for larger sizes and somewhat higher for smaller sizes.

LEAKAGE: TYPICAL LEAKAGE CURVES FOR AC515/516



NOTE: This is a composite curve of several typical damper sizes. Sizes larger than 24 x 24 will show slightly less leakage, and sizes smaller than 24 x 24 will show slightly more leakage than this curve.