

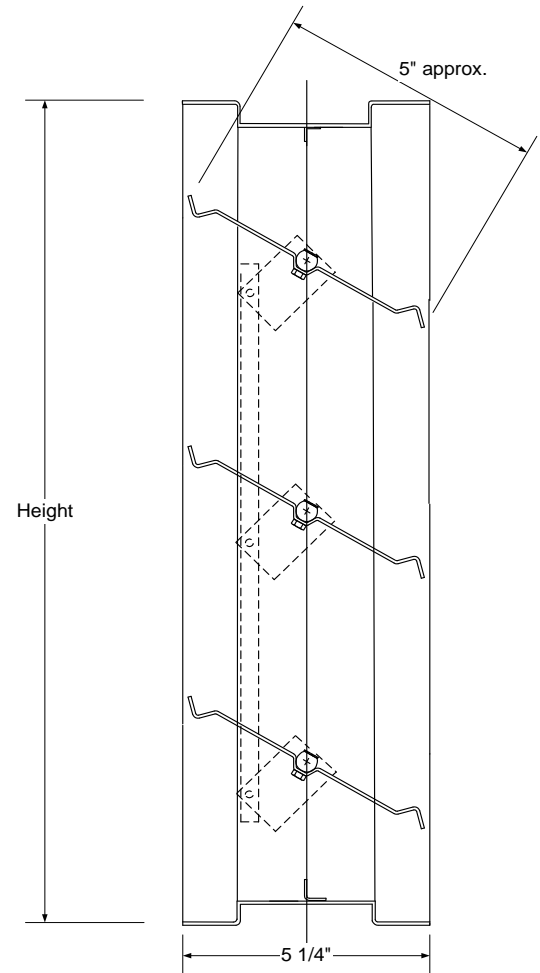
Model MFD-31

Parallel Blade Control Damper

Galvanized Steel

Specifications

- Frame:** Roll formed 16ga. galvanized steel hat channel frame.
- Blades:** Roll formed 16ga. galvanized steel triple-v-groove approximately 5" wide minimum.
- Bearings:** Molded Nylon.
- Axles:** Zinc plated hex bearing pin.
- Linkage:** 1/8"x 1/2" extruded aluminum 6061-T5 tie bar.
- Control Rod:** 1/2" dia. x 6" long plated steel.
- Max. Velocity:** 2000 FPM @ 4" w.g.
- Minimum size:** 4"w x 7"h single blade
4"w x 12"h multi-blade.
- Maximum size:** 48"w x 72"h.
Multiple section - unlimited size.



Section View

Options

- Flanged frame.
- Blade edge seals.
- Stainless steel side seals.
- Face and bypass assemblies.
- Operators.
- Sleeves.
- Various materials and gauges available, consult factory.
- Other options are available, consult factory.

Notes

1. Width x height are nominal opening dimensions. Unless specified otherwise, panels will be constructed 1/4" undersize.
2. Metal Form reserves the right to improve design or change specifications at any time.

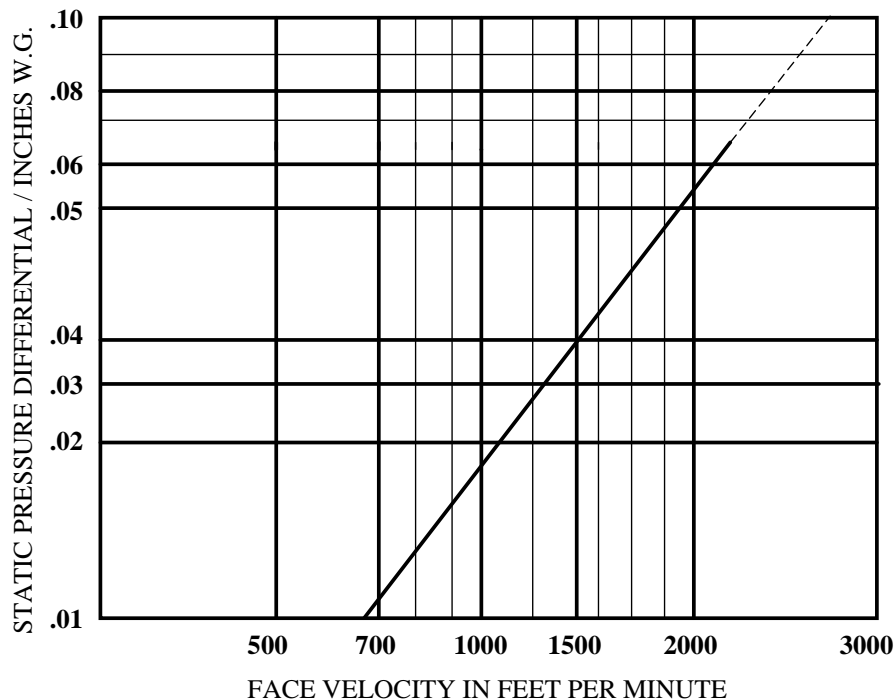
Tag	Qty.	Width	Height	No. of Panels (W x H)	Options	Finishes/Specify	Remarks

Project: _____
Architect: _____
Engineer: _____
Contractor: _____

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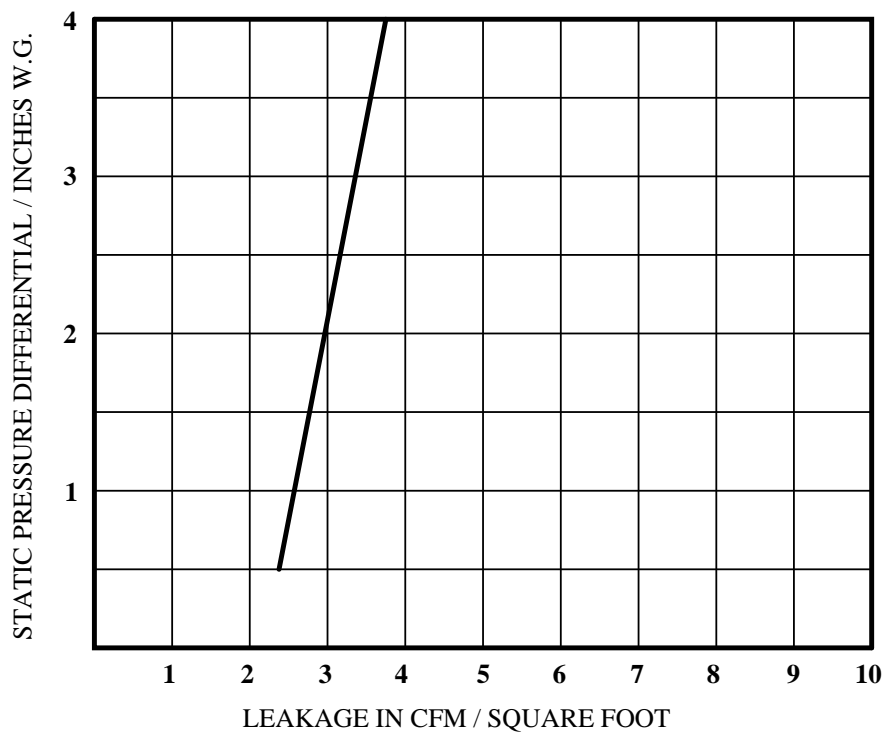
Performance Data

PRESSURE DROP



The pressure drop information is obtained by testing a 36"x 36" damper in accordance with Standard 500 per figure 5.3(in duct). Blades are positioned at 90 degrees full open.

LEAKAGE CHART



The leakage information is obtained by testing a 36"x 36" damper with optional blade edge and stainless steel side seals in accordance with Standard 500 per figure 5.5(in wall). Holding torque applied is 5in./lbs. per square foot of damper area.