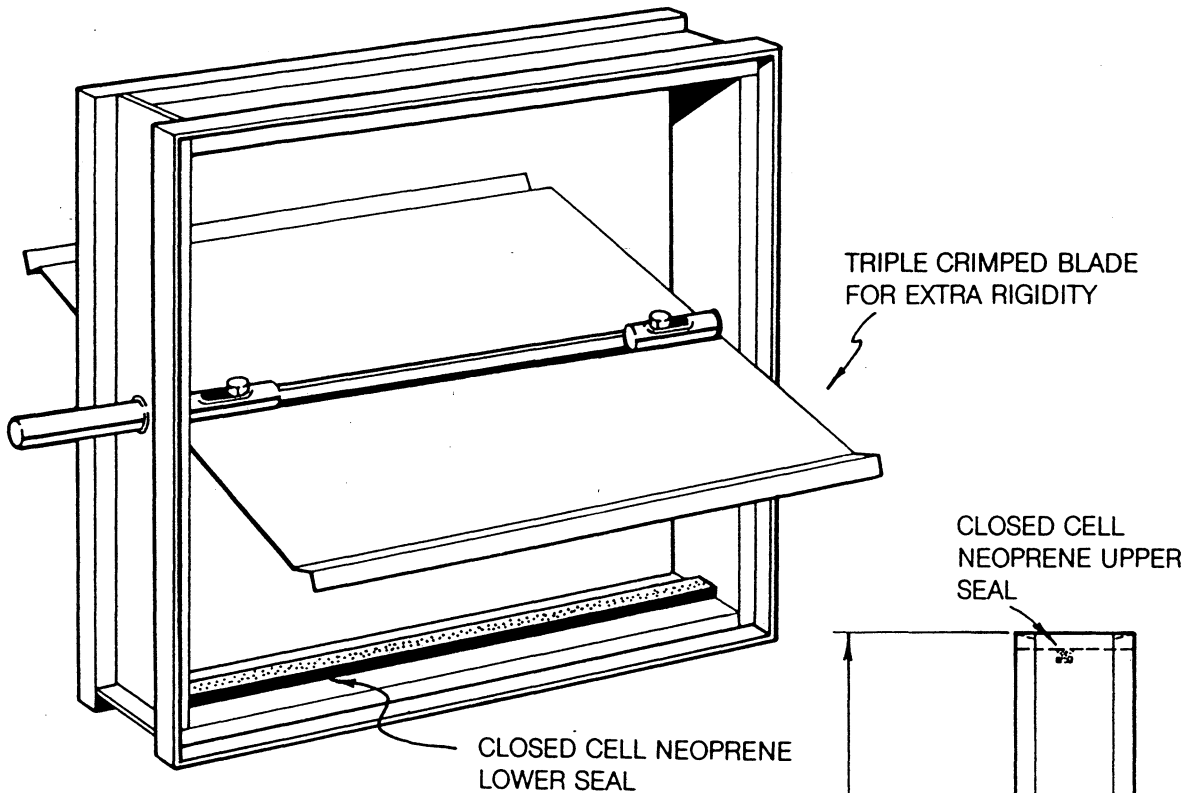


Model SBD Control Damper Single Blade



STANDARD SPECIFICATIONS

Frame: 16 ga. Galvanized steel $4\frac{1}{2}'' \times \frac{3}{4}''$
 rollformed channel
 Blades: 16 ga. Galvanized steel, triple crimped
 Bearings: $\frac{1}{2}''$ ID nylon
 Control Shaft: 6" long $\times \frac{1}{2}''$ round
 Minimum Size: 4" \times 4"
 Maximum Size: 52" \times 12" (single section)
 Finish: Mill finish galvanized

$\frac{1}{4}''$ LESS THAN
OPENING SIZE

4.5"

JOB _____
 LOCATION _____ JOB NO. _____
 ENGINEER _____ REPRESENTATIVE _____
 CONTRACTOR _____ DATE _____

SBD-1-1998

CREATIVE METALS
 Division of Leader Industries Inc.

P.O. Box 40913
 2509 Cruzen Street

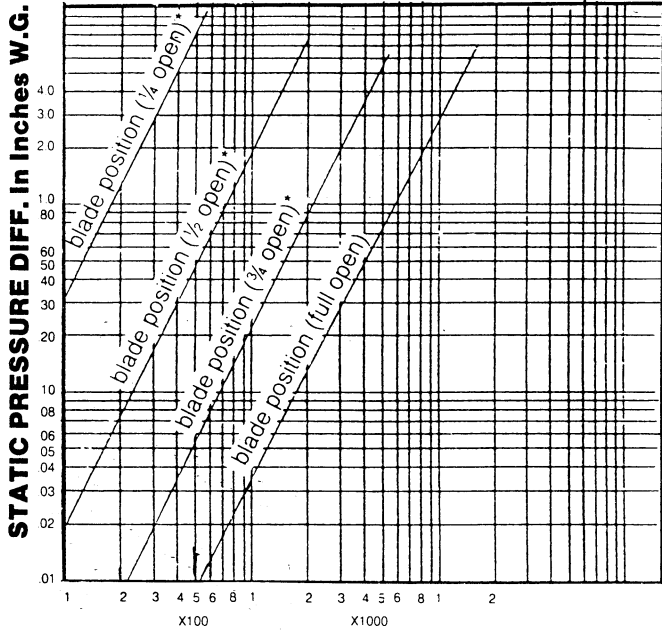
Nashville, TN 37204
 Nashville, TN 37211

Phone: 615-256-3500
 Fax: 800-388-3806

PERFORMANCE DATA

Pressure Drop

FREE AREA



WIDTH

	6	12	18	24	30	36	42	48	52
6	.114	.270	.426	.582	.739	.895	1.05	1.21	1.31
12	.270	.641	1.01	1.38	1.75	2.12	2.49	2.86	3.11
18	.438	1.04	1.64	2.24	2.84	3.44	4.04	4.64	5.04
24	.606	1.44	2.27	3.10	3.93	4.76	5.59	6.42	6.98
30	.774	1.84	2.90	3.96	5.02	6.08	7.14	8.21	8.91
36	.942	2.23	3.53	4.82	6.11	7.40	8.69	9.98	10.85
42	1.11	2.63	4.16	5.68	7.20	8.72	10.24	11.77	12.78
48	1.28	3.03	4.78	6.54	8.29	10.04	11.80	13.55	14.72
54	1.45	3.43	5.41	7.40	9.38	11.36	13.35	15.33	16.65
60	1.62	3.82	6.04	8.26	10.47	12.68	14.90	17.11	18.59

Free area is the actual free area of the damper, less the blades, frame, and/or linkage.

TEST SIZE 24"x24"

VELOCITY F.P.M.

The tables have been developed through tests done at an independent testing laboratory to assist in application and selection of air control dampers. Performance shown is at standard air density of .075 lb/ft³.

These dampers have been tested and operated at 2500 FPM at 4" S.P. If conditions exceed specified velocity or pressure, consult factory.

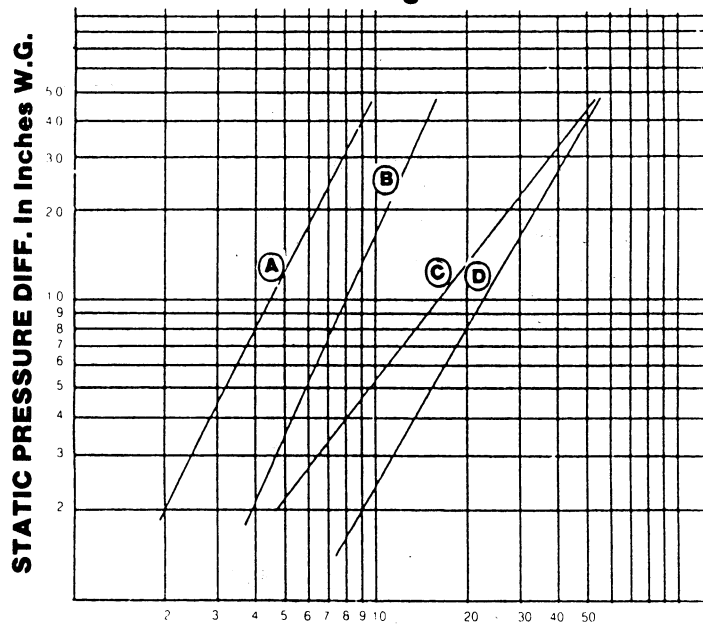
Test size is 24" wide by 24" high.

Pressure drop test are based on AMCA standard 500 using test set-up figure 5.3 for dampers installed with duct upstream and downstream.

Dampers with the same percent of free area (Damper area divided by Actual free area x 100) will have the same pressure drop. The percent of free area is proportional to its pressure loss and can be interpolated using the reference point of the 24" wide by 24" high at a given airflow.

*Model OCD (Opposed Blade)

Air Leakage



LEAKAGE IN C.F.M./Sq. Ft.

Air Leakage

- A. Leakage of the damper with stainless blade and jamb seals.
- B. Leakage of the damper with silicone blade and aluminum jamb seals.
- C. Leakage of the damper with aluminum jamb seals only.
- D. Leakage of the damper with blade seals only.

