

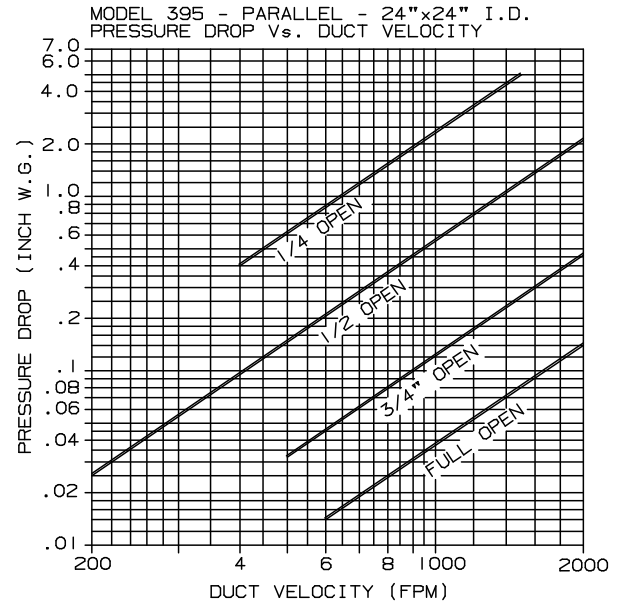
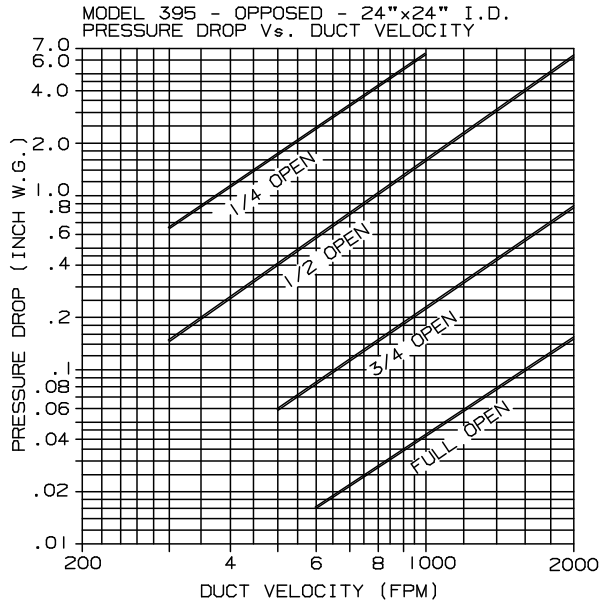


# CONTROL DAMPER MODEL 395

## FORMED STEEL - PARALLEL - OPPOSED

### PERFORMANCE DATA

PRESSURE DROP RATINGS ARE BASED ON AMCA STANDARD 500 USING TEST SET-UP FIG. 5.3 FOR DAMPER INSTALLED WITH DUCT UPSTREAM AND DOWNSTREAM. STATIC PRESSURES ARE CORRECTED TO .075 LB./CU. FT. AIR DENSITY.



TOTAL CFM AIR LEAKAGE AT ONE INCH STATIC PRESSURE DIFFERENTIAL THROUGH CLOSED DAMPER.

	DAMPER WIDTH (INCHES)			
	12"	24"	36"	48"
DAMPER HEIGHT (INCHES)	3	6	9	12
18"	5	9	14	18
24"	6	12	18	24
30"	8	15	23	30
36"	9	18	27	36
42"	11	21	32	42
48"	12	24	36	48
54"	14	27	41	54
60"	15	30	45	60
66"	17	33	50	66
72"	18	36	54	72

AIR LEAKAGE QUANTITIES SHOWN ABOVE ARE CORRECTED TO STANDARD AIR DENSITY. AIR LEAKAGE IS BASED ON OPERATION BETWEEN 50°F-104°F.

#### AIR LEAKAGE CORRECTION FACTORS

BLADE LENGTH LIMIT	PRESSURE (IN. WG.)	CONVERSION FACTOR
48" OR LESS	2	1.27
	3	1.60
	4	1.90

USE OF CORRECTION FACTORS WILL GIVE LEAKAGE VALUES AT GREATER THAN 1" PRESSURES.

LEAKAGE RATINGS ARE BASED ON AMCA STANDARD 500 USING TEST SET-UP FIG. 5.4. DATA IS BASED ON A CLOSING TORQUE OF 5 IN.-LBS./SQ. FT. WITH A MINIMUM OF 25 IN. LBS. OF CLOSING TORQUE APPLIED TO DAMPER OPERATING SHAFT, REGARDLESS OF DAMPER SIZE.