

CONTROL DAMPER MODEL 1770

PERFORMANCE DATA

RECENT TESTS SHOW VERY EFFICIENT PRESSURE DROP

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

MODEL 1770 - PARALLEL - 24" x 24" I.D.

PRESSURE DROP vs. DUCT VELOCITY

DUCT VELOCITY (FPM)	100	200	300	400	500	600	700	800	900	1000	1250	1500	1750	2000	3000	4000	6000
1/4 OPEN				.40	.60	.85	1.20	1.50	1.90	2.30	3.50	5.00					
1/2 OPEN		.025	.052	.088	.13	.18	.25	.33	.42	.50	.80	1.20	1.60	2.10	4.40		
3/4 OPEN					.032	.045	.060	.078	.10	.12	.18	.26	.36	.46	1.10	1.80	
FULL OPEN						.014	.018	.024	.032	.037	.056	.078	.11	.14	.30	.52	

PRESSURE DROP / INCHES OF WATER

MODEL 1770 - OPPOSED - 24" x 24" I.D.

PRESSURE DROP vs. DUCT VELOCITY

DUCT VELOCITY (FPM)	100	200	300	400	500	600	700	800	900	1000	1250	1500	1750	2000	3000	4000	6000
1/4 OPEN			.65	1.15	1.75	2.40	3.30	4.25	5.25	6.50							
1/2 OPEN			.145	.26	.40	.575	.79	1.00	1.30	1.70	2.50	3.60	4.75	6.30			
3/4 OPEN					.059	.080	.115	.145	.18	.22	.345	.475	.65	.85	1.75		
FULL OPEN						.016	.020	.026	.031	.039	.059	.085	.12	.15	.34	.58	1.20

PRESSURE DROP / INCHES OF WATER