

MODEL: APDBR  
 PERFORATED FIBERGLASS DUCTBOARD RETURN  
 T-BAR, ROUND NECK (FIELD CUT)

NOMINAL NECK SIZE	NECK VELOCITY, FPM VP	300	400	500	600	700	800	1000	1200
5"	PS	.002	.004	.005	.007	.010	.013	.020	.030
	FLOW RATE, CFM	40	55	70	80	95	110	135	165
	NC	-	-	-	-	-	-	-	-
	THROW	2	3	3	3	4	4	5	6
6"	PS	.002	.004	.006	.009	.013	.017	.026	.038
	FLOW RATE, CFM	60	80	100	120	140	160	200	235
	NC	-	-	-	16	21	25	32	36
	THROW	2	3	4	4	5	6	6	7
7"	PS	.002	.005	.007	.010	.014	.019	.029	.043
	FLOW RATE, CFM	80	105	135	160	190	215	270	320
	NC	-	-	-	18	23	27	33	37
	THROW	2	3	4	5	5	7	8	9
8"	PS	.003	.005	.008	.011	.015	.020	.031	.045
	FLOW RATE, CFM	105	140	175	210	245	280	350	420
	NC	-	-	-	20	24	28	35	38
	THROW	2	3	4	5	6	8	10	11
9"	PS	.004	.006	.009	.013	.018	.023	.035	.050
	FLOW RATE, CFM	135	175	220	265	310	355	440	530
	NC	-	-	18	23	27	31	36	40
	THROW	2	3	4	6	6	8	10	11
10"	PS	.004	.007	.011	.016	.022	.027	.041	.059
	FLOW RATE, CFM	165	220	270	325	380	435	545	655
	NC	-	-	20	24	29	33	38	41
	THROW	3	3	5	6	6	9	11	11
12"	PS	.006	.010	.018	.026	.030	.042	.071	.101
	FLOW RATE, CFM	235	315	390	470	550	630	785	945
	NC	-	16	23	28	33	37	42	45
	THROW	3	4	6	7	8	10	12	13
14"	PS	.018	.031	.049	.070	.100	.131	.226	.330
	FLOW RATE, CFM	320	425	530	635	740	850	1060	1270
	NC	21	29	33	38	42	46	52	57
	THROW	5	6	8	10	11	11	13	14
16"	PS	.024	.043	.067	.098	.131	.175	.262	.384
	FLOW RATE, CFM	420	560	700	840	980	1120	1400	1680
	NC	24	32	37	41	46	49	55	61
	THROW	6	7	10	11	12	13	14	16

FORMERLY MODEL 4190

**CFM** Cubic feet per minute  
**FPM** Feet per minute velocity  
**TP** Total pressure - inches w.g.  
**VP** Velocity pressure - inches w.g.  
**T** Throw in feet  
**NC** Noise criteria (values) based on 10 dB room absorption, re 10 (to 12th power) watts.

**N.C.:** Based on a room absorption of (8) DB, re 10<sup>-12</sup> watts.  
**Throw:** Distance from center of diffuser that a terminal velocity of 50 fpm is sustained, using isothermal air.  
**Ps:** Static Pressure (Ps) of unit. Total pressure (PT) is equal to static pressure plus velocity pressure (Pv). PT = Ps + Pv in inches of H2O.