

**MODEL: APR3**  
**PERFORATED RETURN**  
**T-BAR, ROUND NECK**

PANEL SIZE	NOMINAL NECK SIZE	NECK VELOCITY, FPM	300	400	500	600	700	800	1000	1200	1400
		NEGATIVE SP	.024	.042	.067	.096	.130	.170	.266	.383	.522
24" X 24"	8" DIA.	VP	.006	.010	.016	.023	.031	.040	.063	.090	.123
		AIR FLOW, CFM	59	78	98	118	137	157	196	235	275
	8" DIA.	NC	-	-	-	10	15	19	26	33	38
		AIR FLOW, CFM	106	140	175	209	244	279	349	419	489
	10" DIA.	NC	-	-	14	19	23	30	37	42	
		AIR FLOW, CFM	164	218	273	327	382	436	545	654	764
	12" DIA.	NC	-	-	10	16	21	25	32	39	44
		AIR FLOW, CFM	236	314	393	471	550	628	785	942	1100
	14" DIA.	NC	-	-	13	19	24	28	35	42	47
		AIR FLOW, CFM	321	428	535	641	748	855	1069	1283	1497
	16" DIA.	NC	-	-	15	21	26	30	37	44	49
		AIR FLOW, CFM	419	559	698	838	977	1117	1396	1676	1955
	16" DIA.	NC	-	10	17	23	28	32	39	46	51

FORMERLY MODEL 5190

**MODEL: APR3**  
**PERFORATED RETURN**  
**T-BAR, SQUARE NECK**

PANEL SIZE	NOMINAL NECK SIZE	NECK VELOCITY, FPM	300	400	500	600	700	800	1000	1200	1400
		NEGATIVE SP	.024	.042	.067	.096	.130	.170	.266	.383	.522
12" X 12"	10" X 10"	VP	.006	.010	.016	.023	.031	.040	.063	.090	.123
		AIR FLOW, CFM	208	277	347	416	485	555	694	832	971
		NC	-	15	22	28	33	37	44	51	57
20" X 20"	18" X 18"	AIR FLOW, CFM	675	900	1125	1350	1575	1800	2250	2700	3150
		NC	-	17	24	30	35	39	46	53	58
24" X 12"	22" X 10"	AIR FLOW, CFM	459	612	765	918	1071	1224	1530	1836	2142
		NC	-	17	23	29	34	39	46	53	58
24" X 24"	8" X 6"	AIR FLOW, CFM	75	100	125	150	175	200	250	300	350
		NC	-	-	-	12	17	21	28	35	40
	8" X 8"	AIR FLOW, CFM	133	178	222	267	311	356	444	533	622
		NC	-	-	-	15	20	24	31	38	43
	10" X 10"	AIR FLOW, CFM	164	218	273	327	382	436	545	654	764
		NC	-	-	10	16	21	25	32	39	44
12" X 12"	AIR FLOW, CFM	300	400	500	600	700	800	900	1200	1400	
	NC	-	-	14	20	25	29	36	43	48	
14" X 14"	AIR FLOW, CFM	408	544	681	817	953	1089	1361	1633	1906	
	NC	-	10	17	23	28	32	39	46	51	
15" X 15"	AIR FLOW, CFM	469	625	781	938	1094	1250	1563	1875	2188	
	NC	-	12	18	25	30	34	41	48	53	
18" X 18"	AIR FLOW, CFM	675	900	1125	1350	1575	1800	2250	2700	3150	
	NC	-	16	23	29	34	38	45	52	57	
22" X 22"	AIR FLOW, CFM	1007	1344	1679	2015	2352	2688	3359	4031	4704	
	NC	-	18	25	31	36	40	47	54	59	
48" X 24"	46" X 22"	AIR FLOW, CFM	2108	2811	3514	4217	4919	5622	7028	8433	9839
48" X 24"	46" X 22"	NC	11	20	27	34	38	43	50	57	62

FORMERLY MODEL 4390

**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.

**Performance notes:**

1. Data derived from tests conducted in accordance with ISO Standard 5219, ISO Standard 3741 and ADC Test Code 1062 GRD84.