



7-3

PERFORMANCE DATA

SINGLE SLOT, STANDARD WEIR GATES WITH PLENUM

2" SLOT WIDTH	8" Ø INLET	2 FT	AIRFLOW, CFM	120	155	190	225	260
			TOTAL PRESSURE	0.083	0.134	0.194	0.263	0.343
			STATIC PRESSURE	0.069	0.112	0.166	0.227	0.300
			NC (NOISE CRITERIA)	<15	17	27	32	36
			THROW	7 12 21	9 15 24	11 16 27	13 18 29	15 19 31
		4 FT	AIRFLOW, CFM	210	270	330	390	450
			TOTAL PRESSURE	0.090	0.149	0.221	0.308	0.406
			STATIC PRESSURE	0.068	0.107	0.156	0.212	0.276
			NC (NOISE CRITERIA)	18	25	31	36	41
			THROW	7 12 23	9 15 26	11 18 28	13 20 30	16 21 33
		5 FT	AIRFLOW, CFM	230	295	360	425	490
			TOTAL PRESSURE	0.092	0.152	0.227	0.311	0.418
			STATIC PRESSURE	0.055	0.087	0.127	0.171	0.222
			NC (NOISE CRITERIA)	19	26	32	37	42
			THROW	7 11 22	9 14 26	10 16 28	12 19 31	14 22 33
2" SLOT WIDTH	12" Ø INLET	2 FT	AIRFLOW, CFM	130	170	210	250	290
			TOTAL PRESSURE	0.071	0.118	0.175	0.245	0.324
			STATIC PRESSURE	0.067	0.115	0.171	0.236	0.313
			NC (NOISE CRITERIA)	<15	16	22	27	32
			THROW	7 12 20	9 14 23	12 16 25	14 18 27	15 19 29
		4 FT	AIRFLOW, CFM	240	315	390	465	540
			TOTAL PRESSURE	0.069	0.118	0.176	0.246	0.330
			STATIC PRESSURE	0.059	0.100	0.149	0.208	0.278
			NC (NOISE CRITERIA)	<15	20	26	31	36
			THROW	8 13 24	10 16 27	12 19 29	14 21 31	17 23 35
		5 FT	AIRFLOW, CFM	280	370	460	550	640
			TOTAL PRESSURE	0.068	0.117	0.177	0.245	0.333
			STATIC PRESSURE	0.054	0.092	0.140	0.191	0.261
			NC (NOISE CRITERIA)	15	22	28	33	37
			THROW	8 14 25	11 17 29	14 20 31	16 22 33	19 24 37
2-1/2" SLOT WIDTH	10" Ø INLET	2 FT	AIRFLOW, CFM	190	235	280	325	370
			TOTAL PRESSURE	0.097	0.150	0.212	0.283	0.363
			STATIC PRESSURE	0.086	0.133	0.188	0.250	0.320
			NC (NOISE CRITERIA)	15	23	29	33	37
			THROW	8 14 21	11 16 24	13 17 26	15 19 28	16 20 30
		4 FT	AIRFLOW, CFM	300	380	460	540	620
			TOTAL PRESSURE	0.094	0.148	0.215	0.292	0.382
			STATIC PRESSURE	0.066	0.103	0.149	0.202	0.263
			NC (NOISE CRITERIA)	20	27	33	38	42
			THROW	8 13 24	10 16 27	12 19 29	15 21 32	18 22 34
		5 FT	AIRFLOW, CFM	330	420	510	600	690
			TOTAL PRESSURE	0.086	0.138	0.201	0.275	0.363
			STATIC PRESSURE	0.052	0.084	0.120	0.163	0.215
			NC (NOISE CRITERIA)	19	26	33	38	43
			THROW	8 12 24	10 16 27	12 19 29	14 21 32	17 23 35
2-1/2" SLOT WIDTH	12" Ø INLET	2 FT	AIRFLOW, CFM	190	235	280	325	370
			TOTAL PRESSURE	0.085	0.136	0.193	0.258	0.334
			STATIC PRESSURE	0.079	0.126	0.179	0.239	0.310
			NC (NOISE CRITERIA)	<15	21	26	31	35
			THROW	8 14 23	11 16 24	13 17 26	15 19 28	16 20 30
		4 FT	AIRFLOW, CFM	310	395	480	565	650
			TOTAL PRESSURE	0.076	0.121	0.176	0.252	0.334
			STATIC PRESSURE	0.059	0.093	0.134	0.196	0.259
			NC (NOISE CRITERIA)	16	24	31	36	40
			THROW	9 13 24	11 17 28	13 20 30	16 22 33	18 23 36
		5 FT	AIRFLOW, CFM	350	450	550	650	750
			TOTAL PRESSURE	0.077	0.127	0.188	0.255	0.343
			STATIC PRESSURE	0.055	0.091	0.135	0.181	0.243
			NC (NOISE CRITERIA)	<15	25	31	36	40
			THROW	9 13 24	11 17 28	13 20 31	16 22 34	18 24 36