PERFORMANCE DATA
DOUBLE SLOT, STANDARD WEIR GATES WITH PLENUM

3" SLOT WIDTH	10" Ø INLET	2 FT	AIRFLOW, CFM	**280**			**380**			**480**			**580**			**680**		
			TOTAL PRESSURE	0.064			0.118			0.188			0.274			0.377		
			STATIC PRESSURE	0.048			0.088			0.140			0.204			0.280		
			NC (NOISE CRITERIA)	15			22			29			35			40		
			THROW	6	10	19	9	13	23	11	17	26	13	19	29	16	22	32
		4 FT	AIRFLOW, CFM	**450**			**600**			**750**			**900**			**1050**		
			TOTAL PRESSURE	0.080			0.143			0.222			0.320			0.436		
			STATIC PRESSURE	0.038			0.067			0.104			0.151			0.205		
			NC (NOISE CRITERIA)	<15			23			30			36			41		
			THROW	6	10	20	9	13	25	11	16	28	13	19	32	15	22	35
		5 FT	AIRFLOW, CFM	**350**			**520**			**690**			**860**			**1030**		
			TOTAL PRESSURE	0.042			0.092			0.162			0.251			0.360		
			STATIC PRESSURE	0.016			0.035			0.062			0.096			0.138		
			NC (NOISE CRITERIA)	<15			18			25			32			38		
			THROW	4	7	14	7	10	20	9	14	25	11	16	30	14	19	33
3" SLOT WIDTH	12" Ø INLET	2 FT	AIRFLOW, CFM	**280**			**380**			**480**			**580**			**680**		
			TOTAL PRESSURE	0.051			0.093			0.149			0.217			0.298		
			STATIC PRESSURE	0.043			0.078			0.125			0.183			0.251		
			NC (NOISE CRITERIA)	<15			16			24			31			36		
			THROW	6	10	19	9	13	23	11	17	26	13	19	29	16	22	32
		4 FT	AIRFLOW, CFM	**470**			**630**			**790**			**950**			**1110**		
			TOTAL PRESSURE	0.060			0.107			0.167			0.242			0.331		
			STATIC PRESSURE	0.037			0.066			0.104			0.151			0.206		
			NC (NOISE CRITERIA)	<15			20			28			35			40		
			THROW	7	11	21	9	14	25	11	17	29	14	20	33	16	24	36
		5 FT	AIRFLOW, CFM	**540**			**720**			**900**			**1080**			**1260**		
			TOTAL PRESSURE	0.062			0.111			0.173			0.249			0.339		
			STATIC PRESSURE	0.033			0.058			0.091			0.131			0.178		
			NC (NOISE CRITERIA)	17			22			30			37			41		
			THROW	6	10	20	8	14	24	12	17	28	14	20	32	16	24	35

PERFORMANCE NOTES:

1- All pressures are inches of water
2- Isothermal throws are given for terminal velocities of 150, 100 and 50 fpm.
3- Throw data, static pressure and NC (room absorption of 10db) values are based on a four foot unit length.
4- Throw values for weir gate pattern control units are based on a 1-way discharge from the slot.
5- Data was obtained from tests in accordance to ASHRAE Standard 70-2006 "method of testing for rating the performance of air outlets and inlets."

Table 1	NC correction for continuous active lengths.				
Length(feet)	+2	+4	+6	+8	+10
Supply	-2	+0	+2	+3	+5
Return	+0	+3	+5	+6	+8