



## Performance Data

### CSF - Contemporary Steel Floor Register

Duct Size		CFM															
		50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	
<b>2x10</b> Free Area 16 SQ. IN.	Pressure Loss(In. W.G.)	0.017	0.037	0.067	0.124	0.178	0.243										
	Horiz. Spread(Ft.)	6.5	9.5	12.5	14	17	20										
	Vertical Throw(Ft.)	3.5	5.5	7.5	8.5	10	12										
	Avg. Face Vel.(FPM)	450	676	902	1218	1461	1704										
<b>2x12</b> Free Area 19 SQ. IN.	Pressure Loss(In. W.G.)	0.01	0.024	0.042	0.077	0.111	0.151	0.198									
	Horiz. Spread(Ft.)	6	8.5	11.5	13	15.5	18	20.5									
	Vertical Throw(Ft.)	3.5	5	6.5	7.5	9	10.5	12									
	Avg. Face Vel.(FPM)	379	568	758	1033	1240	1447	1653									
<b>4x10</b> Free Area 28 SQ. IN.	Pressure Loss(In. W.G.)	0.004	0.009	0.016	0.025	0.036	0.049	0.063	0.081	0.099	0.117	0.140					
	Horiz. Spread(Ft.)	5.0	7.0	9.5	11.5	14.0	16.5	19.0	21.0	23.5	26.0	28.0					
	Vertical Throw(Ft.)	3.0	4.0	5.5	7.0	8.0	9.5	11.0	12.0	13.5	15.0	16.5					
	Avg. Face Vel.(FPM)	258	387	516	644	773	902	1031	1160	1289	1418	1547					
<b>4x12</b> Free Area 43 Sq.IN.	Pressure Loss(In. W.G.)			0.006	0.009	0.013	0.018	0.023	0.030	0.036	0.044	0.052	0.062	0.071	0.082	0.093	
	Horiz. Spread(Ft.)			7.5	9.5	11.5	13.0	15.0	17.0	19.0	20.5	22.5	24.5	26.0	28.0	30.0	
	Vertical Throw(Ft.)			4.5	5.5	6.5	7.5	8.5	10.0	11.0	12.0	13.0	14.0	15.5	16.5	17.5	
	Avg. Face Vel.(FPM)			334	418	502	585	669	753	837	920	1004	1087	1170	1253	1337	