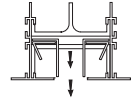


**PERFORMANCE DATA • VERTICAL JET THROW SERIES**

**MODELS: FLV / FTV (10 & 15) • 1 SLOT WITH NAILOR PLENUM**



**A**

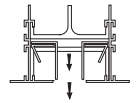
**FLOWLINE™ LINEAR DIFFUSERS**

<b>1" Slot Width</b>	<b>1 Slot 8" Dia. Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	<b>50</b>	<b>95</b>	<b>140</b>	<b>185</b>	<b>230</b>	<b>275</b>	<b>320</b>
			Total Pressure	.010	.033	.073	.127	.197	.281	.381
			Static Pressure	.007	.029	.062	.109	.168	.241	.325
			Noise Criteria	<15	<15	17	26	33	39	44
			Throw	2-3-10	7-9-19	9-14-24	12-19-28	15-22-31	18-24-34	21-26-36
		<b>4 Ft.</b>	Airflow, CFM	<b>100</b>	<b>175</b>	<b>250</b>	<b>325</b>	<b>400</b>	<b>475</b>	<b>550</b>
			Total Pressure	.018	.056	.113	.190	.289	.408	.547
			Static Pressure	.013	.039	.079	.133	.201	.285	.381
			Noise Criteria	<15	<15	20	29	35	41	46
			Throw	2-4-13	6-11-23	11-17-30	14-21-34	18-26-37	21-29-41	24-31-44
		<b>5 Ft.</b>	Airflow, CFM	<b>110</b>	<b>195</b>	<b>280</b>	<b>365</b>	<b>450</b>	<b>535</b>	<b>620</b>
			Total Pressure	.019	.060	.124	.212	.322	.455	.611
			Static Pressure	.013	.040	.081	.139	.211	.297	.400
			Noise Criteria	<15	<15	21	30	36	42	47
			Throw	1-3-12	6-11-22	10-17-31	14-21-35	18-25-39	21-30-42	23-32-45
<b>1" Slot Width</b>	<b>1 Slot 10" Oval Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	<b>50</b>	<b>95</b>	<b>140</b>	<b>185</b>	<b>230</b>	<b>275</b>	<b>320</b>
			Total Pressure	.006	.022	.049	.087	.134	.192	.259
			Static Pressure	.005	.020	.045	.079	.122	.174	.236
			Noise Criteria	<15	<15	15	23	30	35	40
			Throw	2-3-10	7-9-19	9-14-24	12-19-28	15-22-31	18-24-34	21-26-36
		<b>4 Ft.</b>	Airflow, CFM	<b>100</b>	<b>180</b>	<b>260</b>	<b>340</b>	<b>420</b>	<b>500</b>	<b>580</b>
			Total Pressure	.011	.036	.075	.128	.196	.278	.373
			Static Pressure	.009	.029	.060	.103	.156	.221	.299
			Noise Criteria	<15	<15	17	24	31	37	42
			Throw	2-4-13	7-12-23	11-17-30	14-22-34	18-28-39	22-30-42	25-32-45
		<b>5 Ft.</b>	Airflow, CFM	<b>110</b>	<b>210</b>	<b>310</b>	<b>410</b>	<b>510</b>	<b>610</b>	<b>710</b>
			Total Pressure	.011	.040	.087	.152	.235	.337	.456
			Static Pressure	.009	.030	.065	.114	.177	.256	.342
			Noise Criteria	<15	<15	17	26	33	39	44
			Throw	1-3-12	6-12-24	12-18-32	15-23-37	20-29-41	23-32-45	28-34-48
<b>1" Slot Width</b>	<b>1 Slot 12" Oval Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	<b>50</b>	<b>95</b>	<b>140</b>	<b>185</b>	<b>230</b>	<b>275</b>	<b>320</b>
			Total Pressure	.004	.017	.037	.064	.100	.142	.194
			Static Pressure	.004	.016	.035	.061	.094	.135	.182
			Noise Criteria	<15	<15	<15	20	27	32	37
			Throw	2-3-10	7-9-19	9-14-24	12-19-28	15-22-31	18-24-34	21-26-36
		<b>4 Ft.</b>	Airflow, CFM	<b>100</b>	<b>190</b>	<b>280</b>	<b>370</b>	<b>460</b>	<b>550</b>	<b>640</b>
			Total Pressure	.009	.032	.068	.120	.185	.264	.358
			Static Pressure	.007	.028	.060	.105	.163	.232	.315
			Noise Criteria	<15	<15	18	26	33	38	43
			Throw	2-4-13	7-12-24	12-18-31	17-24-36	20-29-41	24-31-44	28-33-47
		<b>5 Ft.</b>	Airflow, CFM	<b>110</b>	<b>220</b>	<b>330</b>	<b>440</b>	<b>550</b>	<b>660</b>	<b>770</b>
			Total Pressure	.007	.016	.035	.061	.094	.135	.182
			Static Pressure	.006	.026	.057	.101	.157	.227	.308
			Noise Criteria	<15	<15	17	24	31	37	42
			Throw	1-3-12	7-12-25	12-19-33	17-25-39	21-31-43	25-33-47	30-36-51
<b>1.5" Slot Width</b>	<b>1 Slot 8" Dia. Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	<b>60</b>	<b>110</b>	<b>160</b>	<b>210</b>	<b>260</b>	<b>310</b>	<b>360</b>
			Total Pressure	.009	.029	.060	.104	.159	.226	.305
			Static Pressure	.006	.021	.046	.079	.122	.173	.234
			Noise Criteria	<15	<15	<15	20	27	33	38
			Throw	1-2-9	4-9-18	9-12-24	11-17-29	13-20-32	17-24-34	19-26-37
		<b>4 Ft.</b>	Airflow, CFM	<b>120</b>	<b>200</b>	<b>280</b>	<b>360</b>	<b>440</b>	<b>520</b>	<b>600</b>
			Total Pressure	.020	.057	.111	.184	.276	.385	.513
			Static Pressure	.013	.035	.068	.113	.170	.236	.316
			Noise Criteria	<15	<15	19	27	33	39	43
			Throw	1-3-12	3-9-21	8-14-29	12-19-34	15-23-37	18-26-41	21-31-44
		<b>5 Ft.</b>	Airflow, CFM	<b>140</b>	<b>220</b>	<b>300</b>	<b>380</b>	<b>460</b>	<b>540</b>	<b>620</b>
			Total Pressure	.026	.062	.116	.186	.272	.376	.494
			Static Pressure	.015	.035	.066	.107	.156	.215	.285
			Noise Criteria	<15	<15	19	26	32	38	42
			Throw	1-3-12	3-8-20	6-13-28	10-18-34	14-21-37	17-24-41	19-29-43

For performance table notes, see page A44.

**PERFORMANCE DATA • VERTICAL JET THROW SERIES**

**MODELS: FLV / FTV (15 & 20) • 1 SLOT WITH NAILOR PLENUM**



**A**

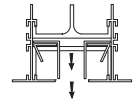
**FLOWLINE™ LINEAR DIFFUSERS**

<b>1.5" Slot Width</b>	<b>1 Slot 10" Oval Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	<b>60</b>	<b>125</b>	<b>190</b>	<b>255</b>	<b>320</b>	<b>385</b>	<b>450</b>
			Total Pressure	.005	.025	.057	.103	.163	.235	.321
			Static Pressure	.005	.021	.049	.089	.139	.201	.275
			Noise Criteria	<15	<15	<15	23	30	36	41
			Throw	1-2-9	6-10-20	10-14-26	13-20-31	17-24-35	20-28-39	23-30-39
		<b>4 Ft.</b>	Airflow, CFM	<b>120</b>	<b>240</b>	<b>360</b>	<b>480</b>	<b>600</b>	<b>720</b>	<b>840</b>
			Total Pressure	.012	.045	.102	.181	.281	.406	.552
			Static Pressure	.009	.032	.073	.128	.201	.290	.394
			Noise Criteria	<15	<15	19	28	35	41	46
			Throw	1-3-12	6-12-24	12-19-34	17-24-40	21-31-44	24-34-48	29-36-52
		<b>5 Ft.</b>	Airflow, CFM	<b>140</b>	<b>280</b>	<b>420</b>	<b>560</b>	<b>700</b>	<b>840</b>	<b>980</b>
			Total Pressure	.014	.054	.121	.215	.336	.484	.659
			Static Pressure	.009	.036	.081	.144	.226	.325	.443
			Noise Criteria	<15	<15	21	30	37	43	48
			Throw	1-3-12	6-12-25	12-19-35	17-25-41	21-32-46	25-35-51	30-39-54
<b>1.5" Slot Width</b>	<b>1 Slot 12" Oval Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	<b>60</b>	<b>125</b>	<b>190</b>	<b>255</b>	<b>320</b>	<b>385</b>	<b>450</b>
			Total Pressure	.004	.019	.044	.078	.123	.179	.244
			Static Pressure	.004	.017	.040	.072	.112	.163	.221
			Noise Criteria	<15	<15	<15	20	28	34	39
			Throw	1-2-9	6-10-20	10-14-26	13-20-31	17-24-35	20-28-39	23-30-42
		<b>4 Ft.</b>	Airflow, CFM	<b>120</b>	<b>240</b>	<b>360</b>	<b>480</b>	<b>600</b>	<b>720</b>	<b>840</b>
			Total Pressure	.007	.031	.070	.123	.192	.276	.376
			Static Pressure	.006	.025	.055	.097	.153	.220	.300
			Noise Criteria	<15	<15	16	24	31	37	42
			Throw	1-3-12	6-12-24	12-19-34	17-24-40	21-31-44	24-34-48	29-36-52
		<b>5 Ft.</b>	Airflow, CFM	<b>140</b>	<b>280</b>	<b>420</b>	<b>560</b>	<b>700</b>	<b>840</b>	<b>980</b>
			Total Pressure	.009	.035	.079	.141	.220	.318	.432
			Static Pressure	.006	.027	.060	.107	.168	.242	.328
			Noise Criteria	<15	<15	16	25	32	38	43
			Throw	1-3-12	6-12-15	12-19-35	17-25-41	21-32-46	25-35-51	30-39-54
<b>2" Slot Width</b>	<b>1 Slot 8" Dia. Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	<b>70</b>	<b>140</b>	<b>210</b>	<b>280</b>	<b>350</b>	<b>420</b>	<b>490</b>
			Total Pressure	.010	.036	.082	.146	.228	.328	.447
			Static Pressure	.006	.026	.058	.103	.161	.232	.316
			Noise Criteria	<15	<15	16	24	32	38	42
			Throw	1-2-7	3-7-14	7-11-21	9-14-25	12-18-27	14-21-30	17-23-32
		<b>4 Ft.</b>	Airflow, CFM	<b>140</b>	<b>220</b>	<b>300</b>	<b>380</b>	<b>460</b>	<b>540</b>	<b>620</b>
			Total Pressure	.025	.060	.111	.178	.261	.36	.474
			Static Pressure	.014	.033	.062	.098	.144	.200	.263
			Noise Criteria	<15	<15	18	25	31	37	41
			Throw	1-2-8	3-5-14	4-9-20	7-13-26	9-15-29	12-18-31	14-21-33
		<b>5 Ft.</b>	Airflow, CFM	<b>150</b>	<b>250</b>	<b>350</b>	<b>450</b>	<b>550</b>	<b>650</b>	<b>750</b>
			Total Pressure	.026	.071	.138	.227	.339	.474	.631
			Static Pressure	.013	.036	.071	.117	.174	.243	.323
			Noise Criteria	<15	<15	21	29	35	41	45
			Throw	1-2-6	2-4-14	3-9-20	6-14-26	9-16-31	13-20-33	14-22-36
<b>2" Slot Width</b>	<b>1 Slot 10" Oval Inlet</b>	<b>2 Ft.</b>	Airflow, CFM	<b>70</b>	<b>150</b>	<b>230</b>	<b>310</b>	<b>390</b>	<b>470</b>	<b>550</b>
			Total Pressure	.005	.027	.062	.112	.179	.259	.354
			Static Pressure	.004	.021	.050	.091	.144	.210	.287
			Noise Criteria	<15	<15	<15	23	30	36	41
			Throw	1-2-7	3-8-15	8-12-22	10-16-26	14-20-29	16-22-31	19-24-34
		<b>4 Ft.</b>	Airflow, CFM	<b>140</b>	<b>265</b>	<b>390</b>	<b>515</b>	<b>640</b>	<b>765</b>	<b>890</b>
			Total Pressure	.013	.047	.103	.179	.276	.394	.534
			Static Pressure	.009	.031	.068	.119	.184	.263	.356
			Noise Criteria	<15	<15	18	27	34	40	45
			Throw	1-2-8	3-7-18	7-13-26	12-17-31	14-21-34	17-26-37	20-28-40
		<b>5 Ft.</b>	Airflow, CFM	<b>150</b>	<b>300</b>	<b>450</b>	<b>600</b>	<b>750</b>	<b>900</b>	<b>1050</b>
			Total Pressure	.013	.054	.122	.212	.331	.477	.649
			Static Pressure	.009	.033	.074	.132	.205	.295	.401
			Noise Criteria	<15	<15	20	29	36	42	47
			Throw	1-2-6	3-6-18	6-14-26	11-18-31	14-22-36	18-26-39	20-30-42

For performance table notes, see page A44.

PERFORMANCE DATA • VERTICAL JET THROW SERIES

MODELS: FLV / FTV (20, 25 & 30) • 1 SLOT WITH NAILOR PLENUM



FLOWLINE™ LINEAR DIFFUSERS

2" Slot Width	1 Slot 12" Oval Inlet	2 Ft.	Airflow, CFM	70	160	250	340	430	520	610
			Total Pressure	.004	.022	.055	.102	.162	.236	.325
			Static Pressure	.004	.019	.048	.089	.141	.208	.286
			Noise Criteria	<15	<15	<15	23	30	37	42
		Throw	1-2-7	4-9-16	9-13-23	12-17-27	14-21-30	18-24-33	20-26-36	
		4 Ft.	Airflow, CFM	140	290	440	590	740	890	1040
			Total Pressure	.009	.035	.082	.148	.232	.335	.458
			Static Pressure	.006	.027	.061	.109	.172	.249	.340
			Noise Criteria	<15	<15	16	26	33	39	44
		Throw	1-2-8	3-9-20	9-14-28	14-20-32	16-25-37	20-28-40	23-31-43	
		5 Ft.	Airflow, CFM	150	330	510	690	870	1050	1230
			Total Pressure	.009	.040	.096	.175	.279	.406	.557
Static Pressure	.005		.028	.067	.124	.197	.289	.394		
Noise Criteria	<15		<15	18	28	35	41	46		
Throw	1-2-6	3-8-20	8-15-29	14-20-34	17-26-38	20-30-42	25-32-46			
2.5" Slot Width	1 Slot 12" Oval Inlet	2 Ft.	Airflow, CFM	80	190	300	410	520	630	740
			Total Pressure	.004	.025	.061	.114	.185	.271	.375
			Static Pressure	.003	.020	.051	.096	.155	.228	.315
			Noise Criteria	<15	<15	<15	24	31	38	43
		Throw	1-2-6	4-9-17	9-14-25	12-19-29	15-23-32	19-26-36	22-27-38	
		4 Ft.	Airflow, CFM	150	335	520	705	890	1075	1260
			Total Pressure	.009	.042	.100	.183	.292	.426	.584
			Static Pressure	.005	.029	.071	.129	.207	.301	.413
			Noise Criteria	<15	<15	19	28	36	42	47
		Throw	1-2-6	3-8-20	9-15-30	14-21-35	18-26-39	21-30-43	25-32-46	
		5 Ft.	Airflow, CFM	160	370	580	790	1000	1210	1420
			Total Pressure	.009	.044	.108	.200	.320	.469	.646
Static Pressure	.005		.029	.072	.133	.212	.310	.428		
Noise Criteria	<15		<15	19	29	37	43	48		
Throw	1-1-5	3-7-20	7-15-31	14-20-36	17-26-40	21-31-44	25-34-48			
3" Slot Width	1 Slot 14" Oval Inlet	2 Ft.	Airflow, CFM	100	225	350	475	600	725	850
			Total Pressure	.004	.022	.055	.102	.162	.236	.325
			Static Pressure	.004	.020	.048	.088	.141	.205	.282
			Noise Criteria	<15	<15	<15	22	30	36	41
		Throw	1-2-7	4-9-18	9-14-26	13-20-31	16-24-34	20-26-37	23-29-40	
		4 Ft.	Airflow, CFM	200	400	600	800	1000	1200	1400
			Total Pressure	.010	.036	.082	.146	.228	.328	.446
			Static Pressure	.006	.027	.061	.108	.169	.244	.333
			Noise Criteria	<15	<15	<15	26	33	39	44
		Throw	1-2-8	3-8-21	8-16-31	14-21-36	18-26-40	21-31-44	25-33-48	
		5 Ft.	Airflow, CFM	240	460	680	900	1120	1340	1560
			Total Pressure	.012	.042	.091	.159	.247	.354	.480
Static Pressure	.007		.030	.064	.112	.174	.249	.338		
Noise Criteria	<15		<15	18	27	34	49	44		
Throw	1-2-8	3-8-21	7-16-32	13-21-37	18-26-42	21-31-45	25-35-48			

Performance Notes:

1. Data is based upon FlowLine™ with Nailor engineered plenum (uninsulated) as a complete assembly.
2. All pressures are in inches w.g..
3. Throw values are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
4. Noise criteria values are based on 10 dB room absorption, re 10<sup>-12</sup> watts.
5. Throw values are based on pattern controller set 100% open.
6. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006.