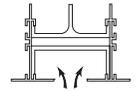


PERFORMANCE DATA • RETURN (NO PATTERN CONTROLLERS)

MODELS: FLR (10, 15, 20, 25 & 30) • CONTINUOUS SLOT



A

FLOWLINE™ LINEAR DIFFUSERS

Slot Width	Slots	Airflow, CFM/FT.							
		20	40	60	80	100	120	140	
1"	1 Slot	Neg. Static Pressure	.008	.029	.066	.118	.182	.262	.357
		Noise Criteria	—	—	<20	24	28	34	39
		Airflow, CFM/FT.	40	85	130	175	220	265	310
	2 Slot	Neg. Static Pressure	.008	.038	.090	.163	.258	.374	.512
		Noise Criteria	—	<15	23	27	32	37	42
		Airflow, CFM/FT.	30	60	90	120	150	180	210
1.5"	1 Slot	Neg. Static Pressure	.008	.032	.072	.128	.200	.288	.392
		Noise Criteria	—	—	<15	23	29	35	40
		Airflow, CFM/FT.	60	120	180	240	300	360	420
	2 Slot	Neg. Static Pressure	.010	.037	.083	.149	.232	.334	.456
		Noise Criteria	—	<15	16	24	31	37	43
		Airflow, CFM/FT.	35	75	115	155	195	235	275
2"	1 Slot	Neg. Static Pressure	.006	.030	.070	.128	.202	.293	.402
		Noise Criteria	<15	15	21	25	29	34	39
		Airflow, CFM/FT.	70	150	230	310	390	470	550
	2 Slot	Neg. Static Pressure	.008	.035	.082	.147	.234	.339	.466
		Noise Criteria	<15	18	24	26	32	37	42
		Airflow, CFM/FT.	40	95	150	205	260	315	370
2.5"	1 Slot	Neg. Static Pressure	.006	.028	.070	.132	.211	.311	.431
		Noise Criteria	<15	<15	16	24	29	35	48
		Airflow, CFM/FT.	80	190	300	410	520	630	740
	2 Slot	Neg. Static Pressure	.006	.039	.081	.151	.244	.358	.494
		Noise Criteria	<15	<15	20	26	32	38	51
		Airflow, CFM/FT.	50	115	180	245	310	375	440
3"	1 Slot	Neg. Static Pressure	.006	.029	.073	.136	.217	.316	.437
		Noise Criteria	<15	<15	16	26	32	37	42
		Airflow, CFM/FT.	100	230	360	490	620	750	880
	2 Slot	Neg. Static Pressure	.007	.035	.084	.157	.251	.365	.540
		Noise Criteria	<15	<15	21	29	35	40	45
		Airflow, CFM/FT.	50	115	180	245	310	375	440

NC Correction Factors for Various Lengths

Length (ft.)	2	4	6	8	9	10	15
Correction	-3	0	+2	+3	+4	+5	+8

Performance Notes:

- Data is based upon a negative pressurized plenum application (non ducted) with no plenum effect for pressure or sound. Plenums should be sized to achieve equal velocity along the slot length. Keep duct inlet velocities below 700 fpm in order to maintain cataloged performance.
- All pressures are in inches w.g..
- Noise criteria (NC) shown is based on active sections 4 ft. (1219) long. For other lengths, use the correction factor table above.
- Noise criteria values are based on 10 dB room absorption, re 10⁻¹² watts, for a 4 ft. section. For other lengths, use the correction factor table above.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70-2023.