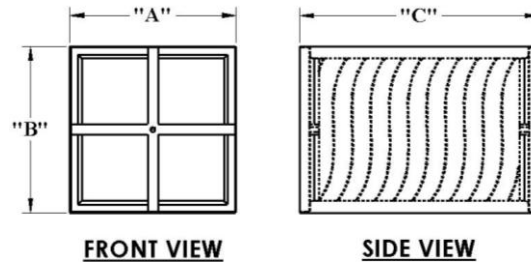


MVA Inline Module Spiral Silencer Quick Reference Guide



Dimensions					
MVA Module #	A = Width	B = Height	C = Length	Face Flow I.D.	Net Weight
MVA 1420-180	16 in.	16 in.	23 in.	16 in. X 16 in.	40 lbs.
MVA 1427-180	16 in.	16 in.	30 in.	16 in. X 16 in.	47 lbs.
MVA 1414-180	16 in.	16 in.	17 in.	16 in. X 16 in.	37 lbs.
MVA 1624-180	18 in.	18 in.	27 in.	18 in. X 18 in.	45 lbs.
MVA 2224-180	24 in.	24 in.	27 in.	24 in. X 24 in.	89 lbs.
MVA 1420-D-180	16 in.	16 in.	68 in.	16 in. X 16 in.	110 lbs.

DYNAMIC INSERTION LOSS IN DECIBELS AT 1000 FPM +/- FLOW DIRECTION

Octave Bands	1	2	3	4	5	6	7	8
MVA Module #	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
MVA 1420-180	18	26	31	37	45	58	43	42
MVA 1427-180	19	27	33	37	46	57	43	42
MVA 1414-180	17	24	29	32	41	50	40	40
MVA 1624-180	16	20	26	34	35	38	50	51
MVA 2224-180	14	23	27	35	44	55	42	41
MVA 1420-D-180	28	38	52	57	59	59	59	58

AERODYNAMIC PERFORMANCE DATA AT STATED FACE VELOCITY (FPM)

Static Pressure Loss in Inches of H ₂ O										
MVA Module #	.05	.10	.15	.20	.25	.30	.40	.50	.75	1.00
MVA 1420-180	380	690	1100	1325	1640	1950	2200	2500	2875	3025
MVA 1427-180	300	545	860	1050	1300	1540	1750	2000	2275	2400
MVA 1414-180	280	500	800	965	1200	1425	1600	1825	1660	2200
MVA 1624-180	400	725	1155	1390	1725	1575	2310	2625	3020	3175
MVA 2224-180	400	725	1155	1390	1725	1575	2310	2625	3020	3175
MVA 1420-D-180	160	290	460	560	690	820	930	1060	1210	1280

SELF GENERATED SOUND RATINGS

Forward And Reverse Flow								
Octave Bands	1	2	3	4	5	6	7	8
Center Freq. Hz	63	125	250	500	1000	2000	4000	8000
Face Velocity	Generated Sound in Sound Power Level (L _w) (dB re 10 ⁻¹² Watts)							
1000	(53)	(40)	(30)	(22)	(18)	(19)	(24)	(28)