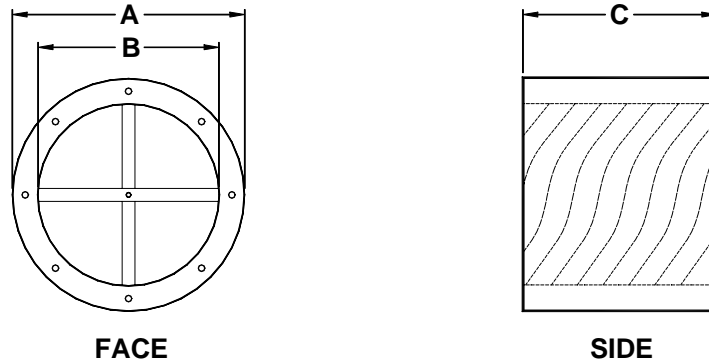




2426 FGR-IL

Inline Spiral Silencer



Dimensions				
A = Dia. O.D.	B = Dia. I.D.	C = Length	Face Flow I.D.	Net Weight
28 in.	24 in.	26 in.	24 in.	72 lbs.

DYNAMIC INSERTION LOSS

Octave Bands	1	2	3	4	5	6	7	8
Center Freq. Hz	63	125	250	500	1000	2000	4000	8000
Face Velocity	Dynamic Insertion Loss in Decibels							
-4000	18	20	16	30	24	40	53	55
-3000	18	20	16	30	24	40	53	55
-2000	17	20	16	30	23	39	53	54
-1000	17	19	16	30	23	39	52	54
+1000	17	19	15	29	23	39	52	54
+2000	17	19	15	29	23	39	51	53
+3000	17	19	15	29	23	39	51	53
+4000	17	19	15	28	23	39	51	53

AERODYNAMIC PERFORMANCE DATA

Static Pressure Loss in Inches of H ₂ O										
	.05	.10	.15	.20	.25	.30	.40	.50	.75	1.00
Airflow in CFM	1565	4050	5020	5805	6500	7120	8170	9200	11260	13010

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SELF GENERATED SOUND RATINGS

Forward 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 (Lw) (dB re 10 ⁻¹² Watts)							
1000	(52)	(41)	(31)	(22)	(18)	(19)	(22)	(25)
2000	(53)	(42)	(41)	40	40	41	(25)	(27)
3000	54	44	43	42	42	43	33	35

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 (Lw) (dB re 10 ⁻¹² Watts)							
1000	(52)	(41)	(31)	(22)	(18)	(19)	(22)	(25)
2000	(53)	(42)	(41)	39	40	40	(25)	(27)
3000	53	44	42	42	42	43	33	35

NOTE: Sound power levels in parentheses have reached ambient levels in the test facilities test room or are determined by instrument limitations. Actual levels are less than or equal to levels indicated.

The above insertion loss values and self generated sound levels are extrapolated from actual test data from an independent testing facility per ASTM E477 "Standard Methods of Testing Duct Liner Materials and Prefabricated Silencers for Acoustical and Airflow Performance". Test reports available upon request.