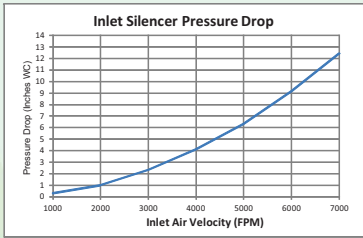


	Pathfinder Model	Universal Model	Stoddard Model	Burgess Model
Inlet Silencers	S3	URB	D13	BMA
	S3L	URBY	D13H	BMAL
	IS3		L41	
	IS3L		L41H	
	IS6	RIS	L63	BMS
	IS6L	RISY	L63H	BMSL
	IS5		L61	
	IS5L		L61H	



Silencer Size	Inlet Silencer Sizing Chart Blower Inlet CFM
1	16 - 39
1.5	36 - 86
2	65 - 153
2.5	102 - 239
3	147 - 344
4	261 - 611
5	409 - 955
6	589 - 1375
8	1047 - 2444
10	1636 - 3818
12	2356 - 5498
14	3207 - 7484
16	4188 - 9774
18	5301 - 12371



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Pathfinder Inlet Silencer IS3, IS5 & IS6

Rotary Blower Inlet Silencers are focused on dampening pulsations created by the sinusoidal performance of PD Blowers. These pulsations are damaging to downstream equipment and personnel. These pulsations are effectively neutralized by the proper application of intake silencers.

The application of intake silencers is a function of blower size and RPM. Low frequency pulsations are negligible in smaller blowers with low CFR (cubic feet per revolution) whereas low frequency pulsations from large blowers can be very damaging. To successfully eliminate these pulsations, a chamber type silencer is required with a volume of 12 to 15 times the CFR (cubic feet per revolution) of the blower. Higher speed blowers can approximate 12 times the CFR whereas slow blowers have more defined pulses and require larger silencers at 15 times the CFR.

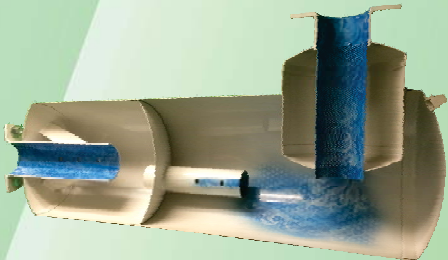
For blowers operating above transition speed, the addition of an absorption chamber to the silencer will aid in absorbing the high frequency sounds generated by high-speed blowers. Pay close attention to the gear diameter and RPM to determine if your blower requires a chamber-absorption silencer for maximum attenuation. The majority of today's blower packages operate at 80% of maximum RPM requiring chamber-absorption silencers for the majority of these applications.

The pressure drop for inlet blower silencers ranges from 3 to 8 inches of water column.

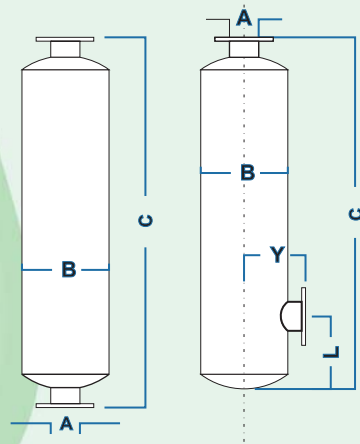
Pathfinder offers the next generation of silencers, referred to as the Dynabase silencers. These silencers take advantage of the shift to smaller, higher speed blowers in today's market. These silencers are better focused on today's high-speed blowers and can silence your blower package better than anything else on the market. See our Dynabase specific literature for more information.



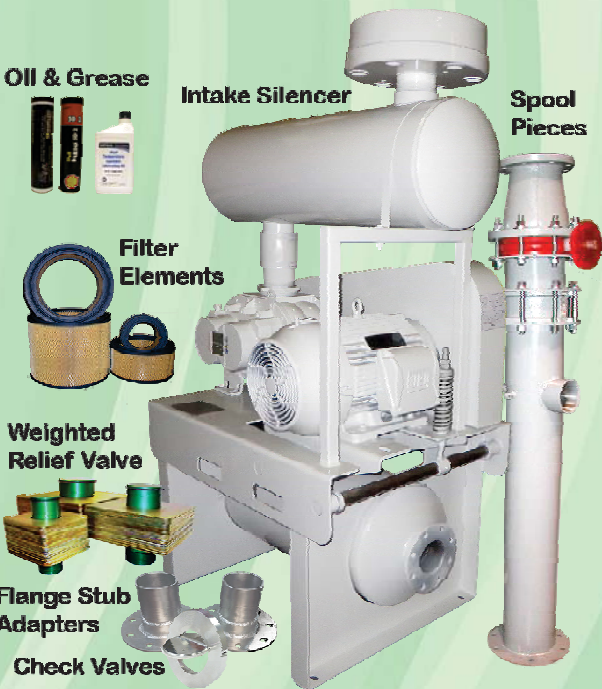
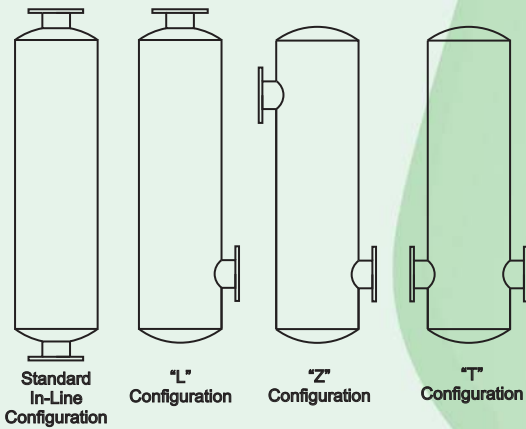
Blower Gear Size	Transition Speed (RPM)	Tuthill Models	Roots Models	GD Models	Above Transition Speed	Below Transition Speed
2	5152	2002, 2004	22, 24	2M, 2L	IS6, IS6L, DB6	IS3, IS3L, DB3
2.5	4125				IS6, IS6L, DB6	IS3, IS3L, DB3
3	3435	3002, 3003, 3006, 3202, 3203, 3204, 3206, 3208, 3210	33, 36	3H, 3M, 3L	IS6, IS6L, DB6	IS3, IS3L, DB3
3.5	2945				IS6, IS6L, DB6	IS3, IS3L, DB3
4	2576	4002, 4005, 4007, 4009, 4012	42, 45, 47, 404, 406, 409, 412, 413, 416, 418	4H, 4M, 4L	IS6, IS6L, DB6	IS3, IS3L, DB3
4.5	2289	4504, 4506, 4509, 4512, 4606, 4609, 4610, 4612			IS6, IS6L, DB6	IS3, IS3L, DB3
5	2060	5003, 5006, 5009	53, 56, 59	5H, 5M, 5L	IS6, IS6L, DB6	IS3, IS3L, DB3
5.5	1873	5507, 5511, 5514, 5518			IS6, IS6L, DB6	IS3, IS3L, DB3
6	1720	6005, 6008, 6012, 6015, 6016, 6024	65, 68, 615, 616, 617, 621, 624	6H, 6M, 6L	IS6, IS6L, DB6	IS3, IS3L, DB3
7	1470	7006, 7009, 7010, 7011, 7013, 7017, 7018, 7021, 7026	76, 711, 718, 722, 728	7H, 7M, 7L	IS6, IS6L, DB6	IS3, IS3L, DB3
8	1285		817, 821, 824, 826, 827, 832		IS6, IS6L, DB6	IS3, IS3L, DB3
9	1145	9016, 9020, 9027			IS6, IS6L, DB6	IS3, IS3L, DB3
10	1030		1006, 1009, 1012, 1016, 1018, 1021, 1024		IS6, IS6L, DB6	IS3, IS3L, DB3
12	860	1215, 1224, 1236, 1248	1212, 1216, 1220, 1222, 1225, 1228, 1236		IS6, IS6L, DB6	IS3, IS3L, DB3



Note: Pathfinder offers direct drop-ins for Universal and Stoddard as well as most other domestic manufacturers of silencers. If you need a specific size, inquire with your account manager.



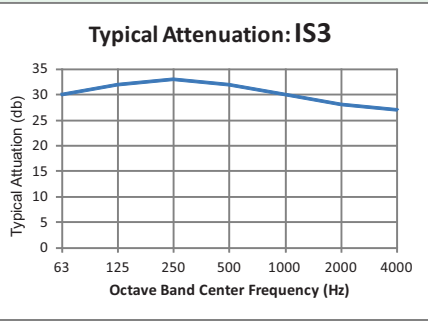
Silencer Configurations



Inlet Silencers

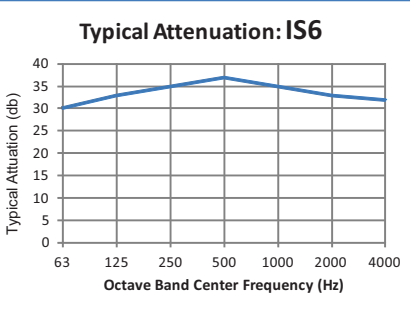
IS3 / IS3L (Premium Chamber-Only Silencers)

Size	A	B	C	C (S3L)	L (range)	Y	Wt
4	4 FLG	14	53	49	7 - 24	11	138
5	5 FLG	16	65	62	8 - 28	12	160
6	6 FLG	18	72	68	9 - 34	13	193
8	8 FLG	22	68	65	10 - 22	15	379
10	10 FLG	24	81	78	12 - 30	17	545
12	12 FLG	30	88	85	13 - 34	19	879
14	14 FLG	30	100	97	14 - 40	19	1196
16	16 FLG	36	120	117	15 - 45	22	1586
18	18 FLG	42	127	124	18 - 50	25	2142
20	20 FLG	42	139	136	19 - 55	25	2428



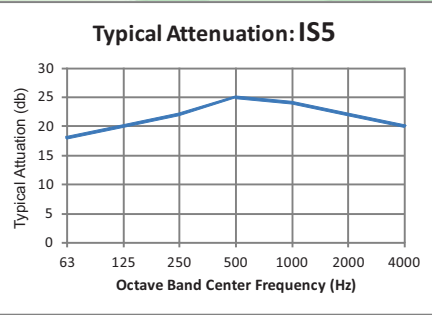
IS6 / IS6L (Standard Chamber/Absorption Silencers)

Size	A	B	C	C (S3L)	L (range)	Y	Wt
4	4 FLG /NPT	14	53	50	8 - 17	14	155
5	5 FLG/NPT	16	65	62	9 - 20	15	222
6	6 FLG/NPT	18	72	69	10 - 24	17	312
8	8 FLG	22	68	65	12 - 26	17	400
10	10 FLG	24	81	78	14 - 33	20	600
12	12 FLG	30	88	85	16 - 37	24	977
14	14 FLG	30	100	97	17 - 40	30	1321
16	16 FLG	36	120	117	19 - 44	32	1754
18	18 FLG	42	127	124	21 - 46	36	2376
20	20 FLG	42	139	136	22 - 47	40	2687



IS5 / IS5L (Premium Chamber/Absorption Silencers)

Size	A	B	C	C (S3L)	L (range)	Y	Wt
2	2 NPT	8	33	30	6 - 10	9	28
2.5	2.5 NPT	10	33	31	7 - 11	10	59
3	3 NPT	10	51	49	7 - 11	12	83
4	4 FLG	10	45	42	7.5 - 16.5	12.5	153
5	5 FLG	12	57.5	55	9 - 23	15.5	220
6	6 FLG	14	64	61.5	9 - 25.5	17	310
8	8 FLG	18	72	69	12 - 30.5	21.5	787
10	10 FLG	22	85	82	14 - 20	29	1054
12	12 FLG	26	98	95.25	16 - 28	34	1489

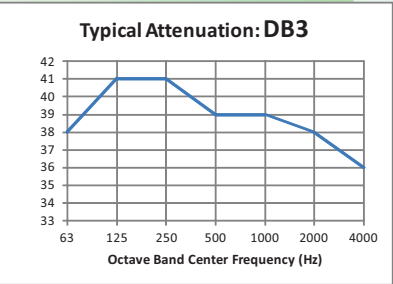


DB Silencers

The modern solution to today's high speed blowers is Pathfinder's Dynabase Silencers (DB). Our DB silencers focus on blowers running above 60% of maximum speed. This shift to higher speed blowers in the market has shifted blower frequencies and requires shorter silencers to cancel out these higher frequencies (shorter wavelengths). Take advantage of their improved performance and smaller footprint in our Dynabase Blower Package as well.

Chamber-Only Silencers

DB3Z (Inlet) / DB3L (Discharge)								
Size	A	B	C	D	L	Y	Inlet	Wt
1.5	1.5 NPT	8	30	28	8	9	1.5 FPT	23
2	2 NPT	8	30	28	8	9	2 FPT	23
2.5	2.5 NPT	10	31	28	7	10	2.5 FPT	38
3	3 NPT	12	41	38 1/2	9	12	3 FPT	62
4	4 FLG/NPT	16	40	38	8	13	4 FPT	83
5	5 FLG	18	50	47	12	17	5 FLG	117
6	6 FLG	20	50	47	12	19	6 FLG	174
8	8 FLG	24	58	59	13 1/2	20	8 FLG	257
10	10 FLG	30	72	69	16	25 5/8	10 FLG	523



Premium Chamber/Absorption Silencers

DB6Z (Inlet) / DB6L (Discharge)								
Size	A	B	C	C (S3L)	L (range)	Y		Wt
1.5	1.5 NPT	8	30	28	8	9	1.5 PP	24
2	2 NPT	8	33	30	6 - 10	9	2 PP	24
2.5	2.5 NPT	10	33	31	7 - 11	10	2.5 PP	40
3	3 NPT	10	51	49	7 - 11	12	3 PP	65
4	4 FLG/NPT	14	53	50	8 - 17	14	4 PP	87
5	5 FLG/NPT	16	65	62	9 - 20	15	5 PP	123
6	6 FLG	18	72	69	10 - 24	17	6 PP	183
8	8 FLG	22	98	95	12 - 26	26	8 PP	270
10	10 FLG	26	123	120	14 - 36	34	10 PP	550

