



ARCHITECTURE - COMFORT - EFFICIENCY - IAQ

PRODUCT CATALOG
AIR BALANCING

JANUARY 2, 2023



ARCHITECTURE - COMFORT - EFFICIENCY - IAQ

Our **ACEI** philosophy (**ARCHITECTURE - COMFORT - EFFICIENCY - IAQ**) stands behind each product that we offer and every decision that we make.

We thrive on providing innovative air distribution solutions to numerous architectural needs, thermal comfort problems and energy efficiency requirements, and to help push the boundaries of indoor air quality.

EffectiV HVAC high performance architectural diffusers provide very effective solutions to engineering and design challenges.

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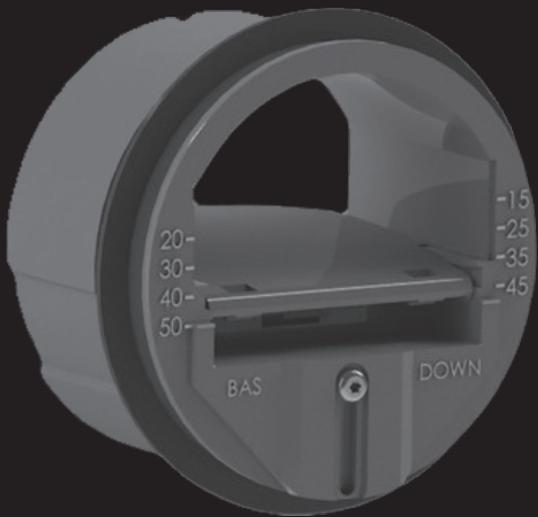
WARRANTY

EffectiV HVAC Inc. guarantees its products against manufacturing defects for a period of two (2) years, from the date of delivery of the goods to the Customer.

The warranty shall only cover the replacement of defective products. It does not include workmanship, trips, replacement of other damaged products, or any other disbursements, charges or damages, and under no circumstance claims for profit or revenue loss that the Customer or third parties may have suffered. The warranty will not be effective in following circumstances:

- When the product has been incorporated to other products or building by the Customer or third parties, without observing the technical recommendations and installation methods recommended by EffectiV;
- When the selection of products was inaccurate or the installation faulty;
- When the product has been manipulated or used for different purposes than those for which it was originally conceived;
- When the products have been damaged due to handling and other manipulations;
- When the products have been damaged due to shipping, unless the shipping was provided and paid for by EffectiV;
- When the products have been damaged due to manipulations or repairs subsequent to their first installation;

AIR BALANCING





SKC

High Pressure Constant Air Volume Dampers

EFFECTIVE  TM

July 20 2020

SKC SERIES

Constant Air Volume Dampers



SKC-C
by MADEL®

-  Self-adjusts to maintain preset air volume despite pressure variations
-  Available for duct diameters ranging between 4" and 16"
-  Facilitates air balancing
-  Helps prevent pressure loss over time, i.e. caused by dirty filters or ducts
-  Compensates for sudden pressure changes caused by elevators, doors opening & more
-  Helps ensure optimal performance of the system over time and despite changing conditions
-  Good solution for high ceilings and areas which are harder to access for balancing
-  Performs in applications where pressures vary between 0.2 and 4.019 in.w.g. (50 and 1,000 Pa)

SKC-C series constant air volume dampers for circular duct, by EffectiV HVAC™ and MADEL®, greatly facilitate the balancing of ventilation systems. Those dampers maintain constant air volume at varying pressures caused by connection and disconnection of system parts, clogging of filters and ducts, wind effects, window opening, etc.

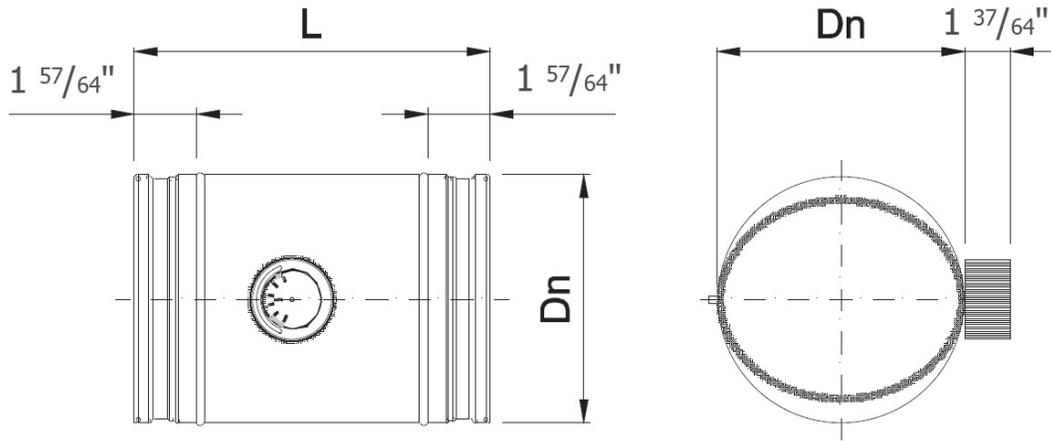
SKC-C is a self-adjustable damper, independent of external energy sources. It is preset by the installer to maintain a specific air volume in m3/h, easily convertible to cfm. The damper will then auto-adjust itself to maintain the desired volume of air while performing within a pressure range between 0.2 and 4.019 in.w.g. (between 50 and 1,000 Pa).

Adjustment is based on the balance between the force of air pressure on the blade and the reactive forces created by the spring and inflatable damper.

The adjustment knob has a graduated rate scale allowing for quick and easy adjustment of the desired air flow.

Model	Dn	L	Min cfm	Max cfm	Min Pressure Diff* (in.w.g.)	Max Pressure Diff (in.w.g.)
SKC-C 04	3 55/64"	8 55/64"	59	147	0.201 - 0.442	4.019
SKC-C 05	4 27/32"	10 5/8"	59	206	0.201 - 0.321	4.019
SKC-C 06	6 7/32"	11 39/64"	106	353	0.201 - 0.402	4.019
SKC-C 08	7 51/64"	11 39/64"	147	529	0.201 - 0.502	4.019
SKC-C 10	9 49/64"	13 3/16"	265	706	0.201 - 0.543	4.019
SKC-C 12	12 21/64"	13 25/64"	412	1235	0.201 - 0.884	4.019
SKC-C 14	13 57/64"	14 61/64"	529	1529	0.201 - 0.884	4.019
SKC-C 16	15 43/64"	16 17/32"	588	2000	0.201 - 0.884	4.019

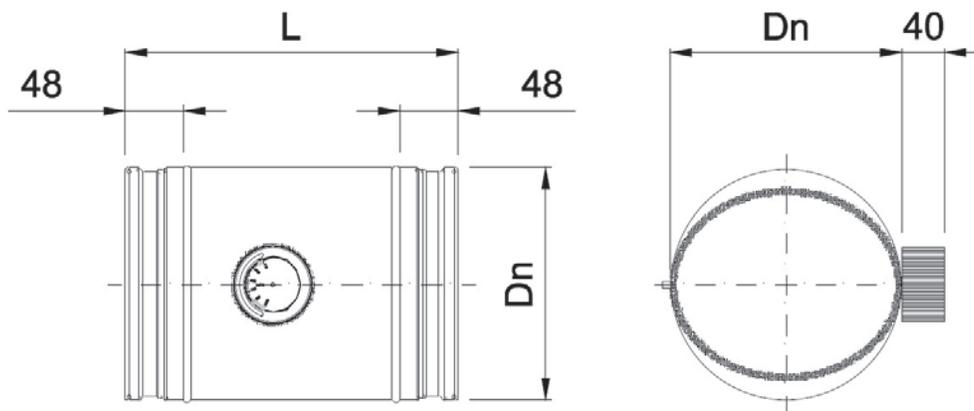
*Minimum pressure difference varies with air volume



Metric Dimensions

Model	Dn	L	Min m3/h	Max m3/h	Min Pressure Diff* (Pa)	Max Pressure Diff (Pa)
SKC-C 80	78 mm	225 mm	60	150	50 - 115	1000
SKC-C 100	98 mm	270 mm	100	250	50 - 110	1000
SKC-C 125	123 mm	270 mm	100	350	50 - 80	1000
SKC-C 160	158 mm	295 mm	180	600	50 - 100	1000
SKC-C 200	198 mm	295 mm	250	900	50 - 125	1000
SKC-C 250	248 mm	335 mm	450	1200	50 - 135	1000
SKC-C 315	313 mm	340 mm	700	2100	50 - 220	1000
SKC-C 355	353 mm	380 mm	900	2600	50 - 220	1000
SKC-C 400	398 mm	420 mm	1000	3400	50 - 220	1000

*Minimum pressure difference varies with air volume



SKC-C 80 Performance Data

cfm	m3/h	NC 100 Pa 0.4 in.w.g.	NC 250 Pa 1 in.w.g.	NC 500 Pa 2 in.w.g.	DPt (in.w.g.)
24	40	28	40	47	0.04
35	60	32	42	49	0.088
50	85	35	44	51	0.181
74	125	39	48	55	0.321

SKC-C 100 Performance Data

cfm	m3/h	NC 100 Pa 0.4 in.w.g.	NC 250 Pa 1 in.w.g.	NC 500 Pa 2 in.w.g.	DPt (in.w.g.)
41	70	33	40	45	0.06
65	110	36	44	50	0.12
100	170	39	48	54	0.321
124	210	41	50	55	0.442

SKC-C 125 Performance Data

cfm	m3/h	NC 100 Pa 0.4 in.w.g.	NC 250 Pa 1 in.w.g.	NC 500 Pa 2 in.w.g.	DPt (in.w.g.)
65	110	34	41	46	0.052
103	175	37	45	51	0.141
156	265	39	48	55	0.249
194	330	41	50	56	0.361

SKC-C 160 Performance Data

cfm	m3/h	NC 100 Pa 0.4 in.w.g.	NC 250 Pa 1 in.w.g.	NC 500 Pa 2 in.w.g.	DPt (in.w.g.)
106	180	35	44	50	0.064
171	290	38	47	53	0.141
256	435	39	48	55	0.301
318	540	41	49	56	0.402

SKC-C 200 Performance Data

cfm	m3/h	NC 100 Pa 0.4 in.w.g.	NC 250 Pa 1 in.w.g.	NC 500 Pa 2 in.w.g.	DPt (in.w.g.)
165	280	36	47	54	0.048
265	450	38	49	56	0.141
400	680	40	49	57	0.281
500	850	41	49	57	0.482

SKC-C 250 Performance Data

cfm	m3/h	NC 100 Pa 0.4 in.w.g.	NC 250 Pa 1 in.w.g.	NC 500 Pa 2 in.w.g.	DPt (in.w.g.)
265	450	37	37	55	0.06
412	700	39	49	56	0.104
623	1060	41	49	57	0.273
779	1325	42	51	57	0.522

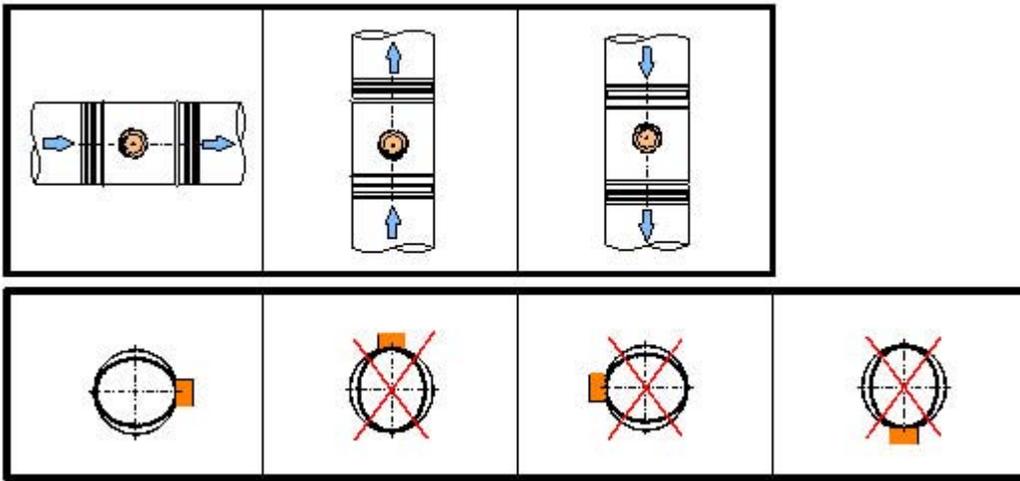
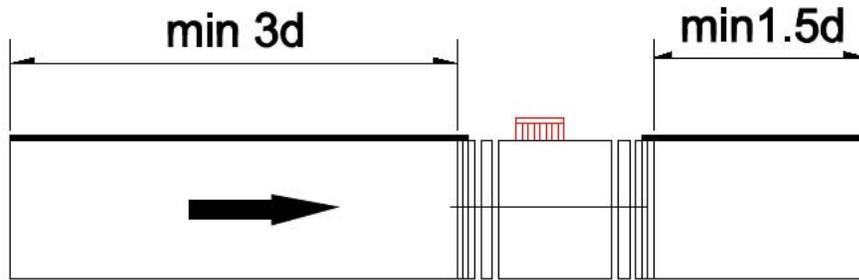
SKC-C 315 Performance Data

cfm	m3/h	NC 100 Pa 0.4 in.w.g.	NC 250 Pa 1 in.w.g.	NC 500 Pa 2 in.w.g.	DPt (in.w.g.)
412	700	38	50	56	0.08
659	1120	40	49	57	0.181
988	1680	44	50	57	0.341
1235	2100	47	52	58	0.554

SKC-C 400 Performance Data

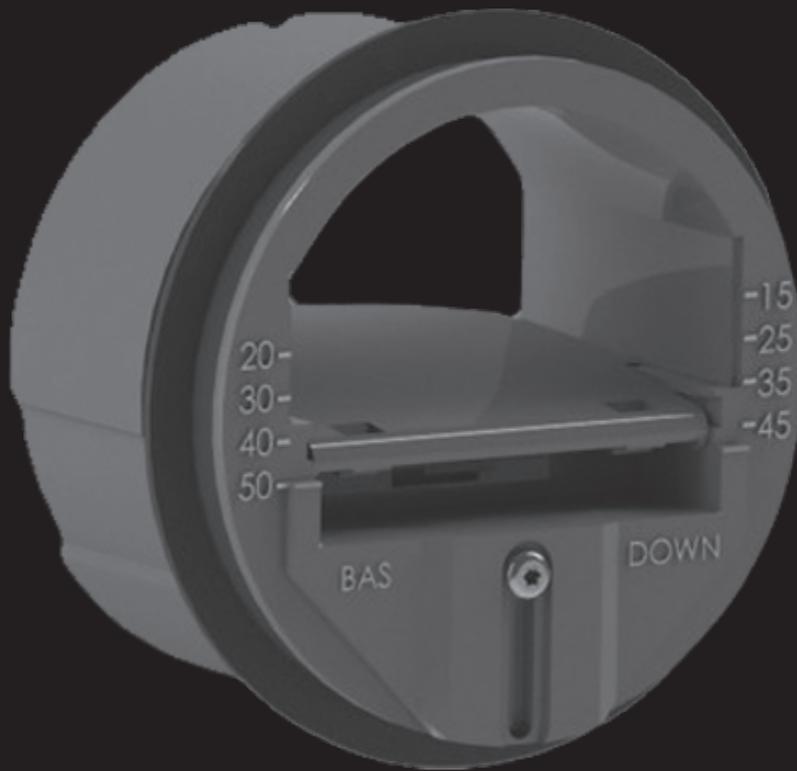
cfm	m3/h	NC 100 Pa 0.4 in.w.g.	NC 250 Pa 1 in.w.g.	NC 500 Pa 2 in.w.g.	DPt (in.w.g.)
665	1130	40	52	58	0.096
1059	1800	41	51	56	0.217
1588	2700	51	53	58	0.502
2000	3400	55	56	61	0.743

SKC-C Installation



How to Specify SKC-C

Supply and mounting of SKC-C constant air volume damper for circular duct, self-adjustable to maintain pre-set air volume within pressures ranging between 50 Pa and 1,000 Pa. Constructed from galvanized steel. By EffectiV HVAC / MADEL.



SKP

Constant Air Volume Dampers



January 2, 2023

SKP SERIES

Constant Air Volume Dampers



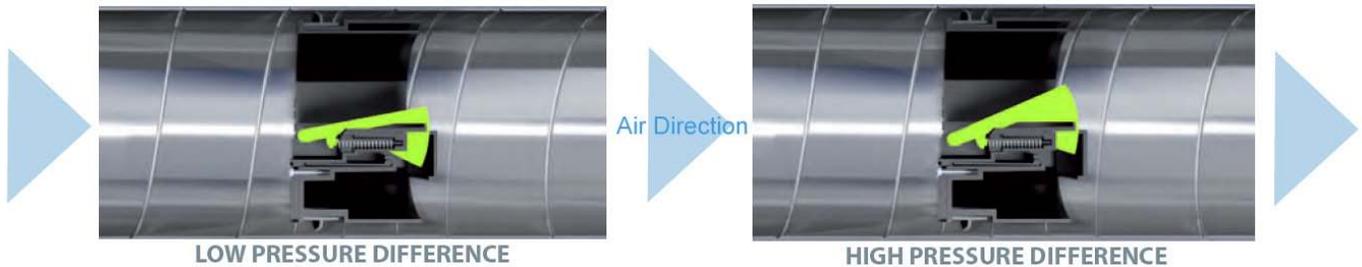
-  Self-adjusts to maintain preset air volume despite pressure variations
-  3 Models for Various Pressure Ranges: SKP (0.2"-1" or 50-250 Pa), SKP-LP (0.08"-0.4" or 20-100 Pa) and SKP-HP (0.6"-2.4" or 150-600 Pa)
-  Available for duct diameters ranging between 3" and 10"
-  Facilitates air balancing
-  Helps ensure optimal performance of the system over time
-  Great solution for high ceilings and areas hard to access for balancing

SKP series constant air volume dampers for circular duct by EffectiV HVAC™ greatly facilitate the balancing of ventilation systems. Those dampers maintain constant air volume within a pressure zone between 0.08 in.w.g and 2.4 in.w.g. depending on the model.

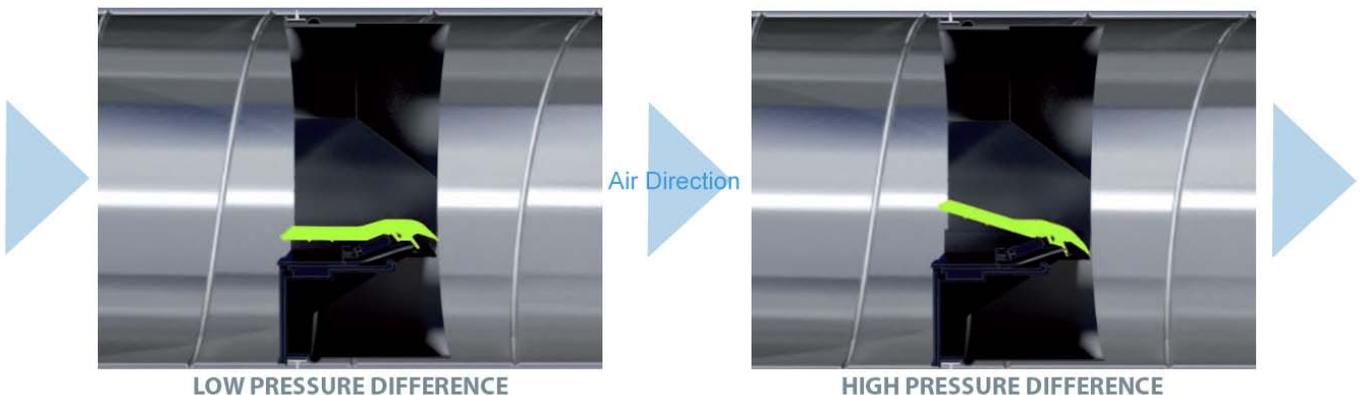
SKP is a self-adjustable damper. It is preset by the installer to maintain a specific air volume in cfm, by mean of a screwdriver torx n°10. The damper will then auto-adjust itself to maintain the desired volume of air while performing within the pressure range. The damper is operated by an opposed opening force of an air blade against a spring.

Housing is constructed from galvanized steel or plastic, the regulator blade is constructed from plastic and tightness joint from rubber. The entire product is rated UL 2043.

SKP 3" and 4" Diameters



SKP 5" Diameter and Up

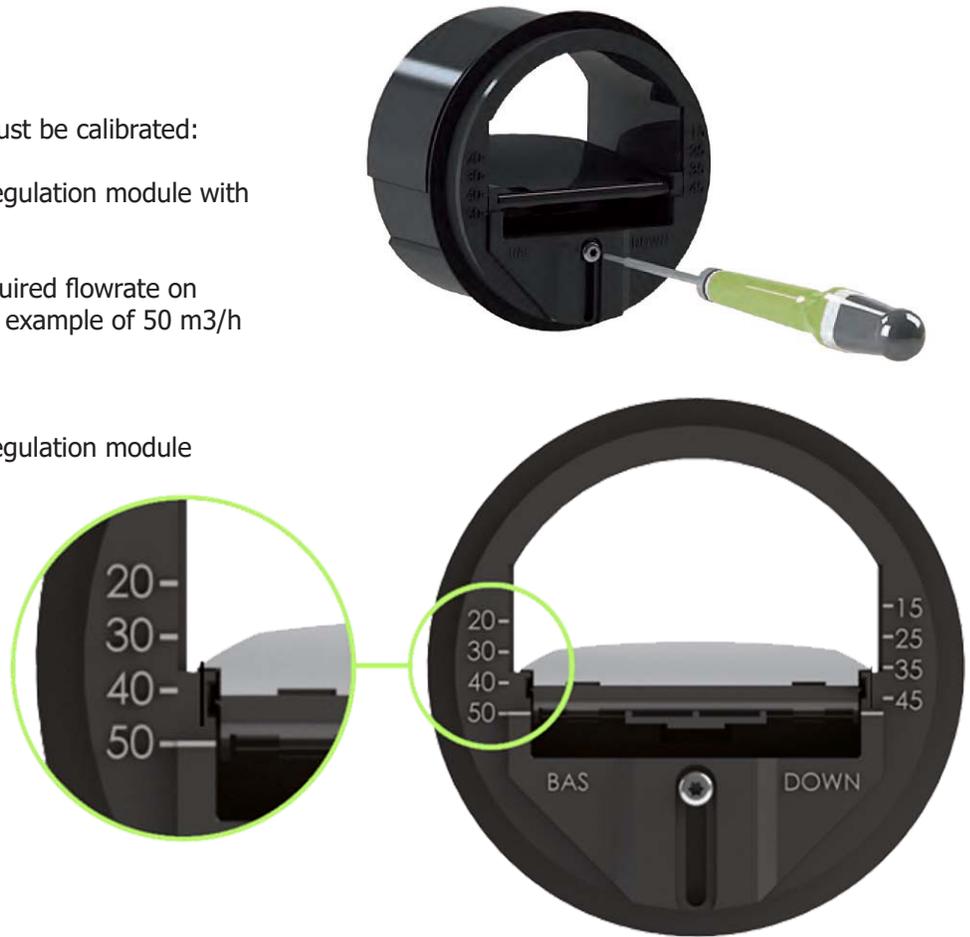


SKP Adjustment

Before fitting the regulator, the flowrate must be calibrated:

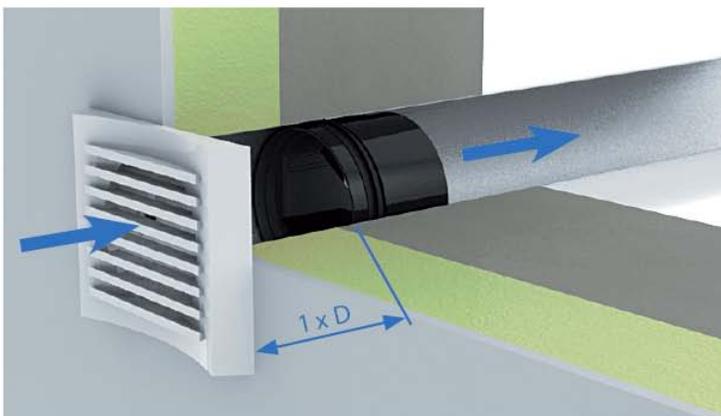
1. Slacken the locking screw on the flow regulation module with a Torx No.10 screwdriver
2. Align the set point marking with the required flowrate on the left or right of the module (see picture example of 50 m³/h setting). **1 cfm = 1.7 m³/h**
Newer versions are labeled in cfm.
3. Tighten the locking screw on the flow regulation module

Intermediate flowrates are possible by aligning the set point marking between graduations on the regulator.

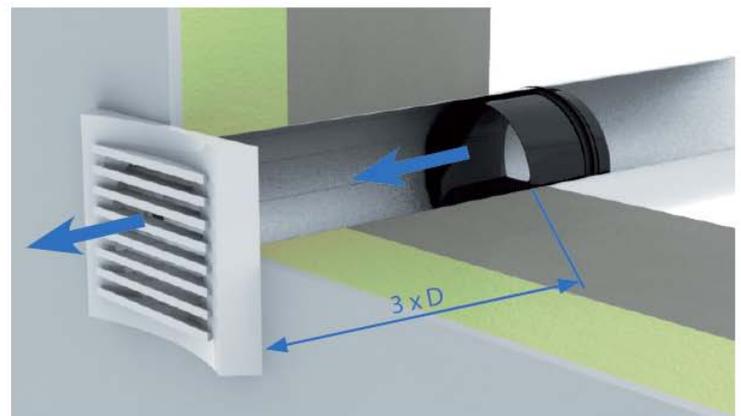


SKP Installation

It is essential to comply with the direction of air flow shown on the sleeve

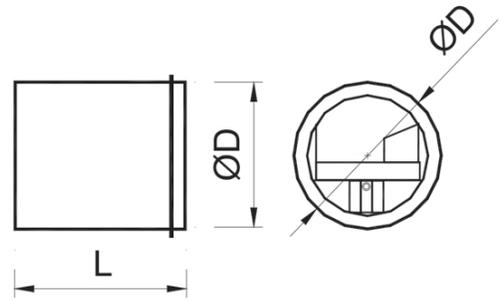


Constant flow regulator in return air mode



Constant flow regulator in air supply mode

SKP Dimensions and Performance Overview



SKP (Standard)

Operates between 0.2 and 1 in.w.g. (50-250 Pa)

Model	D	L	Min m3/h	Max m3/h	Min cfm	Max cfm
SKP 03 29	2 63/64"	2 1/4"	15	50	9	29
SKP 04 29	3 25/32"	2 43/64"	15	50	9	29
SKP 04 59	3 25/32"	2 43/64"	50	100	29	59
SKP 05 29	4 23/32"	2 43/64"	15	50	9	29
SKP 05 59	4 23/32"	2 43/64"	50	100	29	59
SKP 05 106	4 23/32"	3 25/64"	100	180	59	106
SKP 06 59	5 53/64"	3 11/32"	50	100	29	59
SKP 06 106	5 53/64"	3 11/32"	100	180	59	106
SKP 06 157	5 53/64"	3 11/32"	180	300	106	177
SKP 08 106	7 43/64"	3 37/64"	100	180	59	106
SKP 08 177	7 43/64"	3 37/64"	180	300	106	177
SKP 08 294	7 43/64"	3 37/64"	300	500	177	294
SKP 10 106	9 41/64"	4 23/32"	100	180	59	106
SKP 10 177	9 41/64"	4 23/32"	180	300	106	177
SKP 10 294	9 41/64"	4 23/32"	300	500	176	294
SKP 10 470	9 41/64"	4 23/32"	450	800	265	470

SKP-LP (Low Pressure)

Operates between 0.08 and 0.4 in.w.g. (20-100 Pa)

Model	D	L	Min m3/h	Max m3/h	Min cfm	Max cfm
SKP-LP 03 18	2 63/64"	2 11/64"	10	30	6	18
SKP-LP 04 18	3 25/32"	2 3/4"	10	30	6	18
SKP-LP 04 35	3 25/32"	2 3/4"	30	60	18	35
SKP-LP 05 18	4 23/32"	3 25/64"	10	30	6	18
SKP-LP 05 35	4 23/32"	3 25/64"	30	60	18	35
SKP-LP 05 71	4 23/32"	3 25/64"	60	120	35	71

SKP-HP (High Pressure)

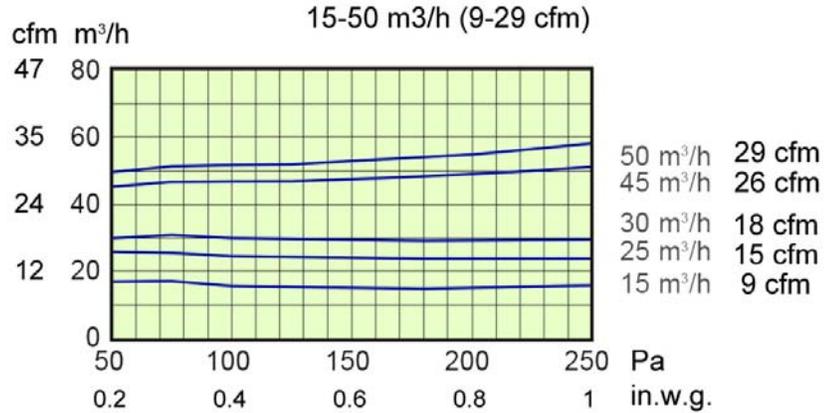
Operates between 0.6 and 2.4 in.w.g. (150-600 Pa)

Model	D	L	Min m3/h	Max m3/h	Min cfm	Max cfm
SKP-HP 03 53	2 63/64"	2 11/64"	25	90	15	53
SKP-HP 04 53	3 25/32"	2 3/4"	25	90	15	53
SKP-HP 04 100	3 25/32"	2 3/4"	90	170	53	100
SKP-HP 05 53	4 23/32"	3 25/64"	25	90	15	53
SKP-HP 05 100	4 23/32"	3 25/64"	90	170	53	100
SKP-HP 05 176	4 23/32"	3 25/64"	180	300	106	176
SKP-HP 06 53	5 53/64"	3 37/64"	25	90	15	53
SKP-HP 06 100	5 53/64"	3 37/64"	90	170	53	100
SKP-HP 06 176	5 53/64"	3 37/64"	180	300	106	176
SKP-HP 06 294	5 53/64"	3 37/64"	300	500	176	294
SKP-HP 08 100	7 43/64"	3 37/64"	90	170	53	100
SKP-HP 08 176	7 43/64"	3 37/64"	180	300	106	176
SKP-HP 08 294	7 43/64"	3 37/64"	300	500	176	294
SKP-HP 08 500	7 43/64"	3 37/64"	500	850	294	500
SKP-HP 10 176	9 41/64"	4 23/32"	180	300	106	176
SKP-HP 10 294	9 41/64"	4 23/32"	300	500	176	294
SKP-HP 10 500	9 41/64"	4 23/32"	500	850	294	500
SKP-HP 10 765	9 41/64"	4 23/32"	850	1300	500	765

SKP 3" Performance Data



SKP 03 29 (3 in. diameter, up to 29 cfm)



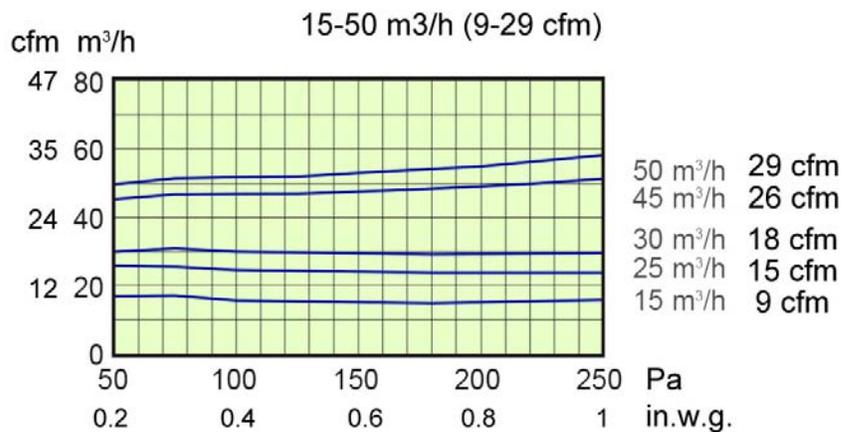
Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
9	15	24	30	33	35	37
18	30	27	33	39	43	45
26	45	27	33	39	42	45
29	50	28	34	38	42	45

SKP 4" Performance Data



SKP 04 29 (4 in. diameter, up to 29 cfm)

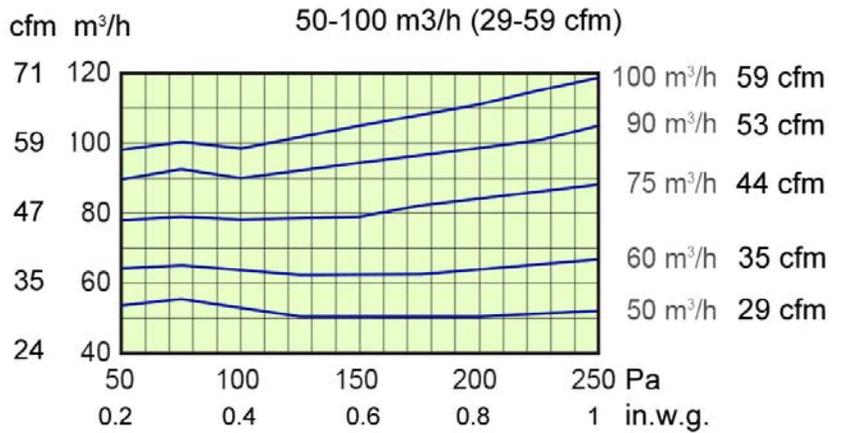


Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
9	15	24	26	30	33	36
15	25	26	33	37	41	44
18	30	27	33	37	42	45
26	45	29	36	40	42	44
29	50	29	36	38	42	44



SKP 04 59 (4 in. diameter, up to 59 cfm)



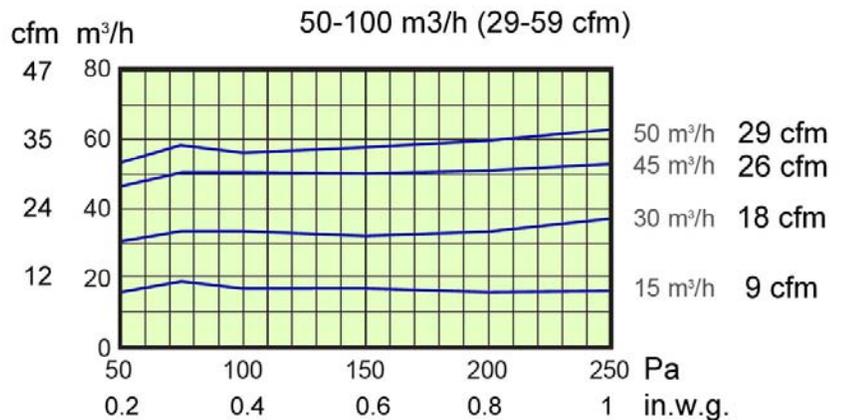
Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
29	50	29	35	40	43	45
35	60	31	37	41	44	46
44	75	31	38	42	45	48
53	90	33	39	43	46	48
59	100	33	39	43	46	48

SKP 5" Performance Data



SKP 05 29 (5 in. diameter, up to 29 cfm)

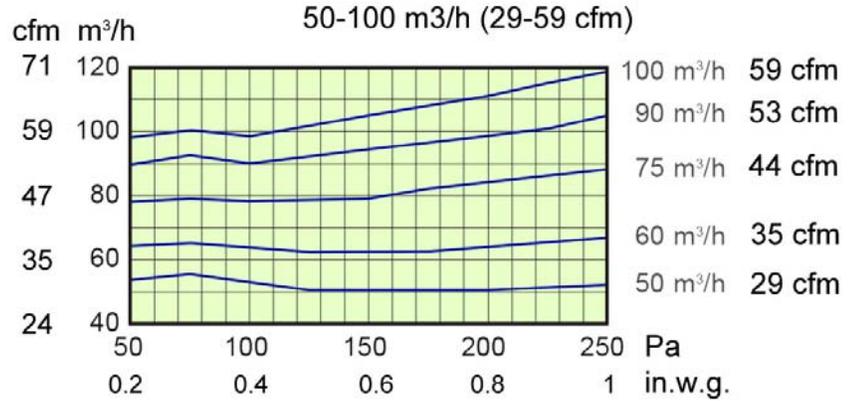


Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
9	15	25	29	32	34	36
15	25	26	32	37	42	45
18	30	27	32	37	42	46
26	45	28	33	37	41	44
29	50	30	34	37	41	44



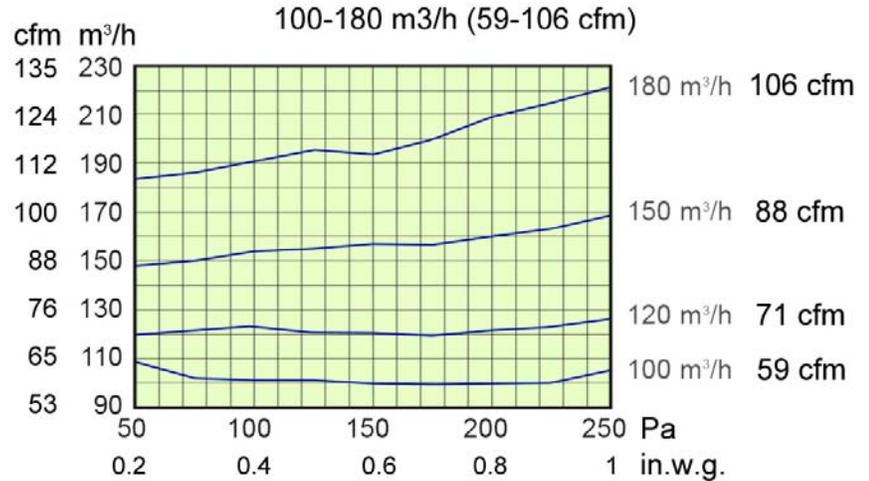
SKP 05 59 (5 in. diameter, up to 59 cfm)



Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
29	50	27	34	39	43	45
35	60	30	35	39	43	45
44	75	31	35	39	43	45
53	90	32	35	39	43	45
59	100	34	36	40	43	45

SKP 05 106 (5 in. diameter, up to 106 cfm)



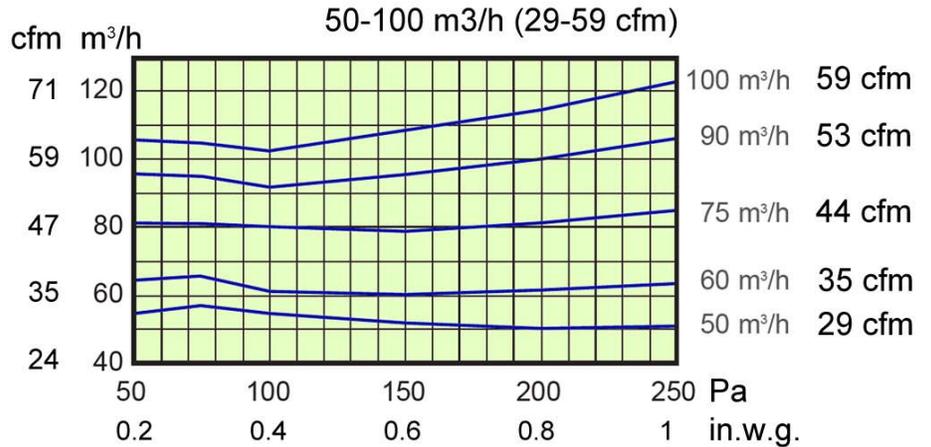
Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
59	100	35	40	44	48	50
71	120	35	41	45	47	48
88	150	36	42	45	47	49
106	180	38	42	45	47	49

SKP 6" Performance Data



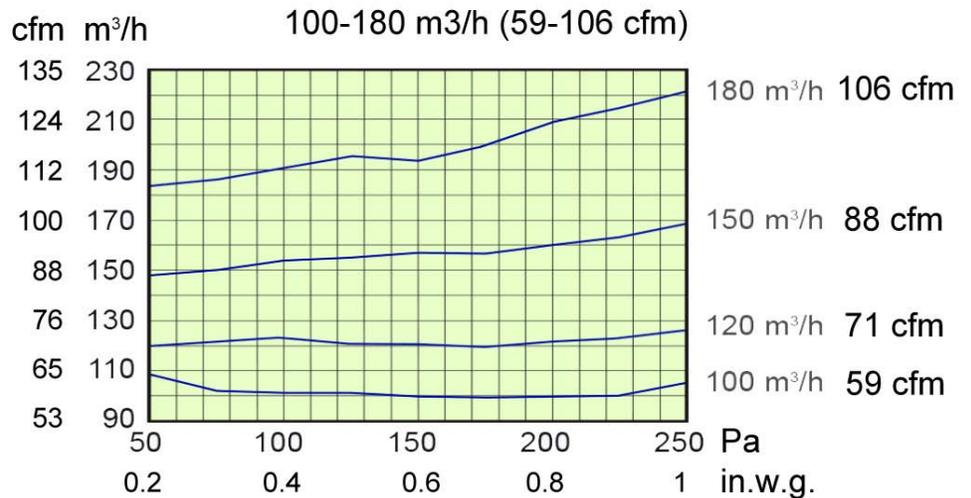
SKP 06 59 (6 in. diameter, up to 59 cfm)



Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
9	15	25	29	32	34	36
15	25	26	32	37	42	45
18	30	27	32	37	42	46
26	45	28	33	37	41	44
29	50	30	34	37	41	44

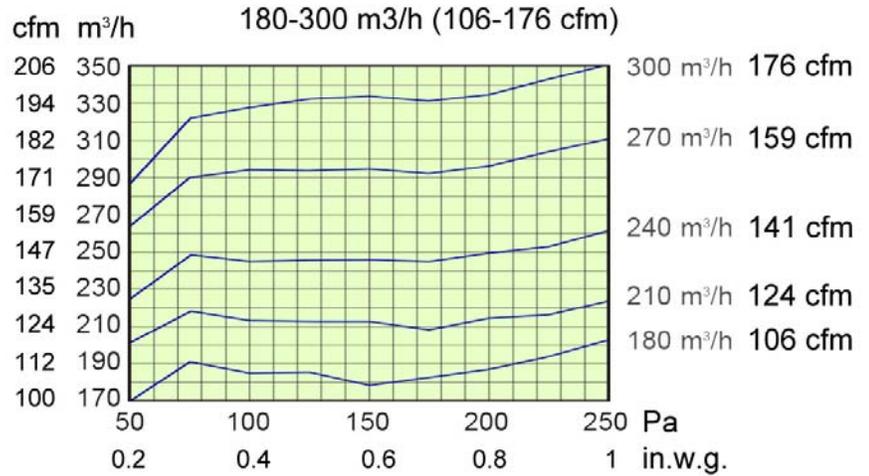
SKP 06 106 (6 in. diameter, up to 106 cfm)



Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
59	100	38	44	46	49	51
71	120	39	44	47	49	50
88	150	40	45	49	51	52
106	180	42	47	49	51	53

SKP 06 176 (6 in. diameter, up to 176 cfm)

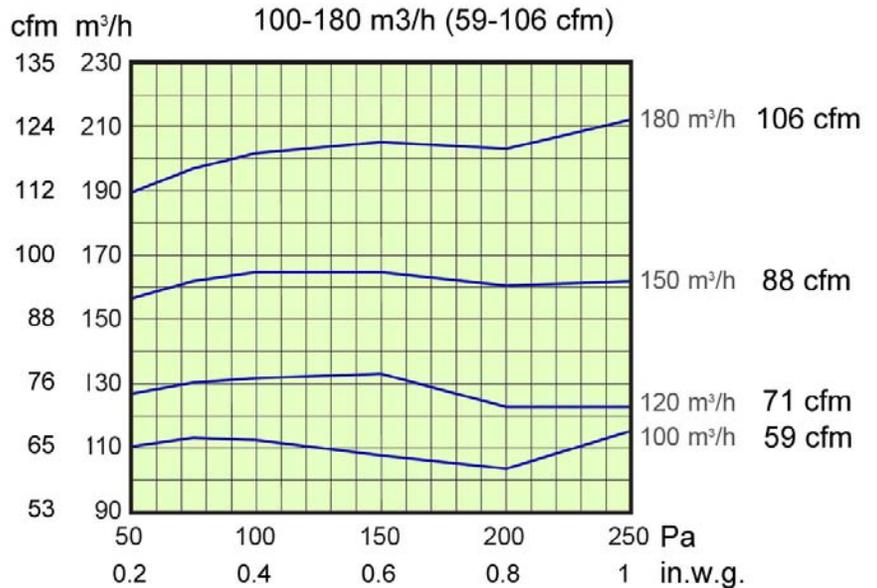


Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
106	180	38	43	46	49	51
124	210	39	45	48	50	52
141	240	40	44	47	49	50
159	270	39	45	48	50	52
176	300	41	46	49	51	53

SKP 8" Performance Data

SKP 08 106 (8 in. diameter, up to 106 cfm)

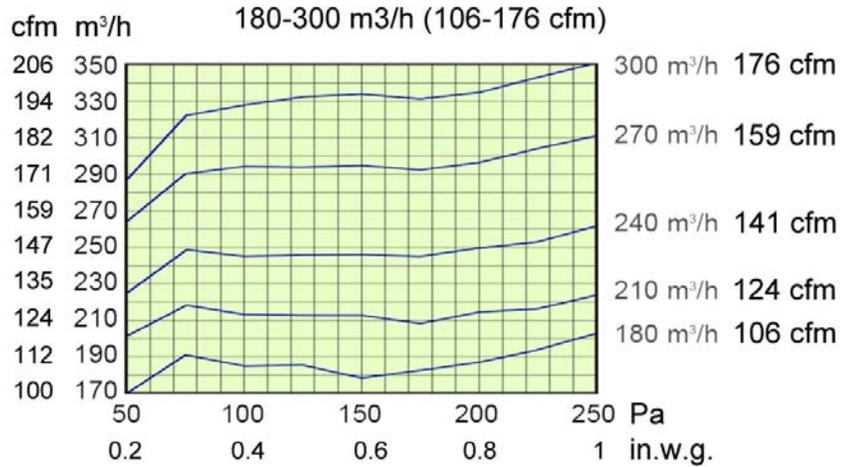


Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
59	100	38	44	46	49	51
71	120	39	44	47	49	50
88	150	40	45	49	51	52
106	180	42	47	49	51	53



SKP 08 176 (8 in. diameter, up to 176 cfm)

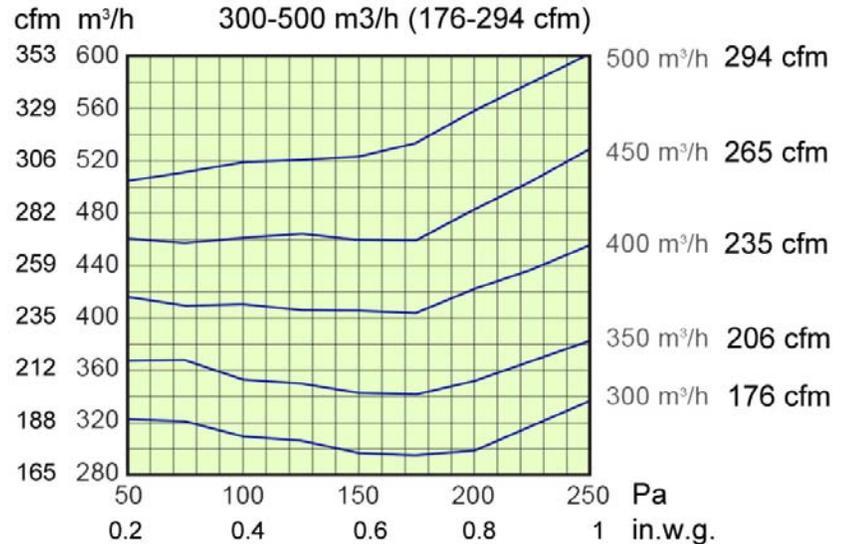


Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
106	180	39	45	47	50	53
124	210	40	46	48	49	51
141	240	40	46	49	51	53
159	270	40	47	50	51	53
176	300	42	50	52	53	54



SKP 08 294 (8 in. diameter, up to 294 cfm)



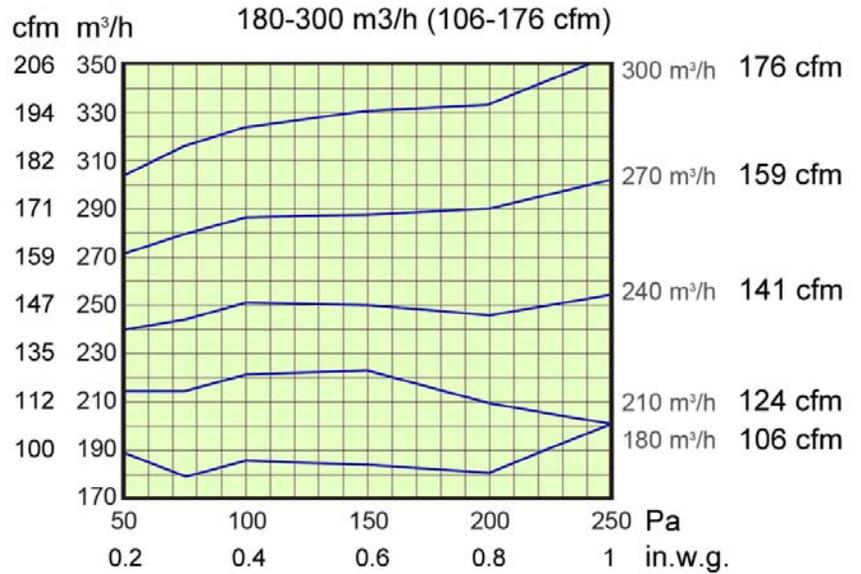
Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
176	300	39	44	48	50	52
206	350	41	45	49	51	54
235	400	41	47	50	52	54
265	450	41	47	51	53	55
294	500	42	48	52	54	56

SKP 10" Performance Data



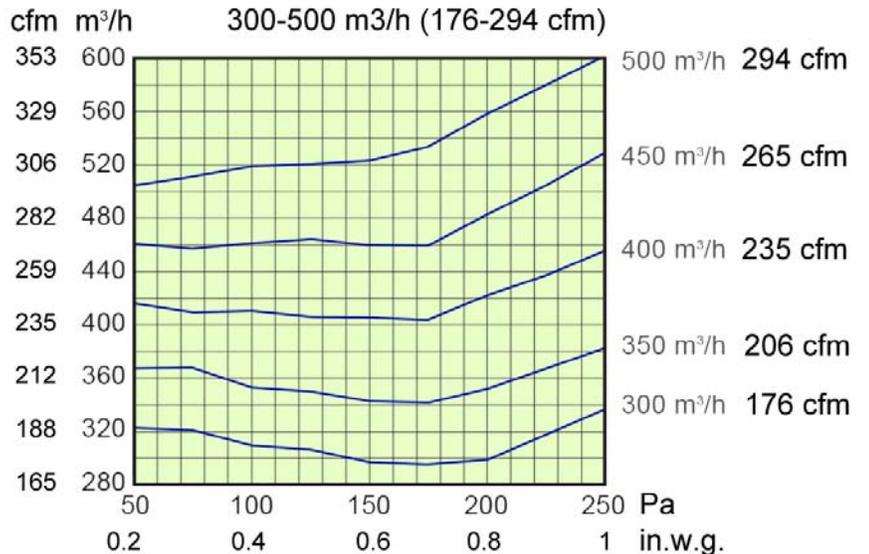
SKP 10 176 (10 in. diameter, up to 176 cfm)



Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
106	180	39	45	47	50	53
124	210	40	46	48	49	51
141	240	40	46	49	51	53
159	270	40	47	50	51	53
176	300	42	50	52	53	54

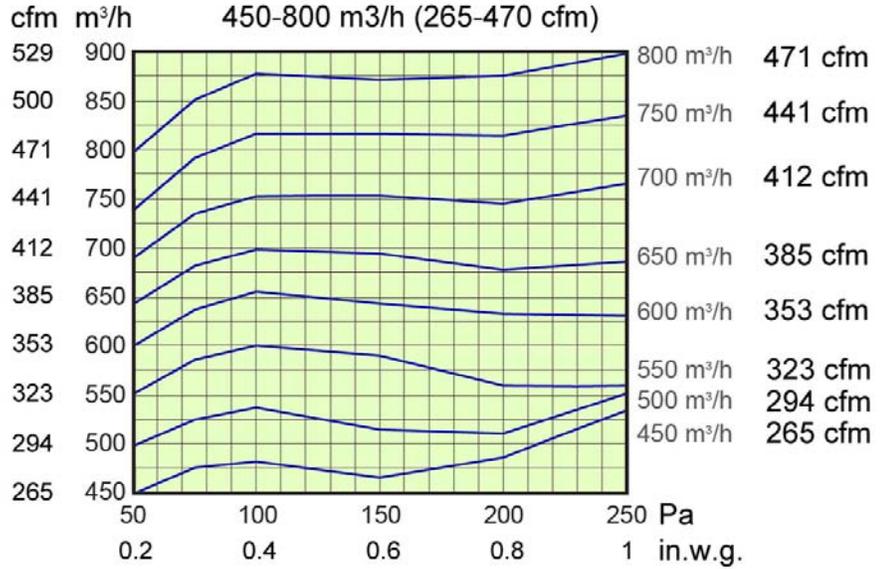
SKP 10 294 (10 in. diameter, up to 294 cfm)



Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
176	300	34	44	48	49	51
206	350	36	45	49	50	52
235	400	37	46	50	52	53
265	450	37	47	52	54	55
294	500	38	48	52	54	56

SKP 10 470 (10 in. diameter, up to 470 cfm)



Acoustic Power Level L_w in dB(A)

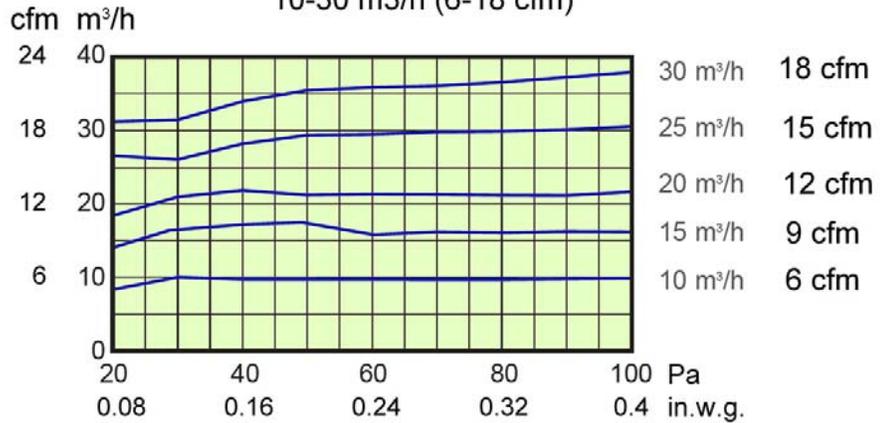
cfm	m ³ /h	dB(A) 0.2 in.w.g.	dB(A) 0.4 in.w.g.	dB(A) 0.6 in.w.g.	dB(A) 0.8 in.w.g.	dB(A) 1 in.w.g.
265	450	35	42	47	50	53
294	500	36	44	48	51	56
323	550	44	48	51	54	60
353	600	45	50	52	58	58
385	650	45	50	53	57	58
412	700	46	51	55	56	57
441	750	46	52	55	56	58
471	800	46	54	55	57	59

SKP-LP 3" Performance Data



SKP-LP 03 18 (Low Pressure, 3 in. diameter, up to 18 cfm)

10-30 m³/h (6-18 cfm)

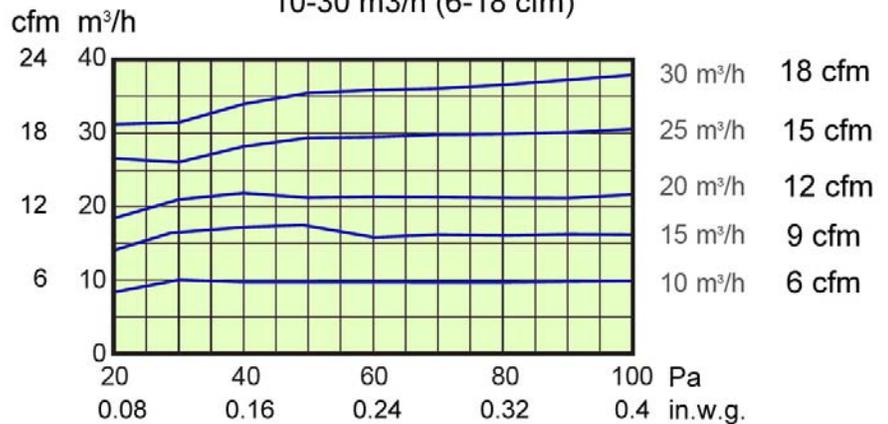


SKP-LP 4" Performance Data



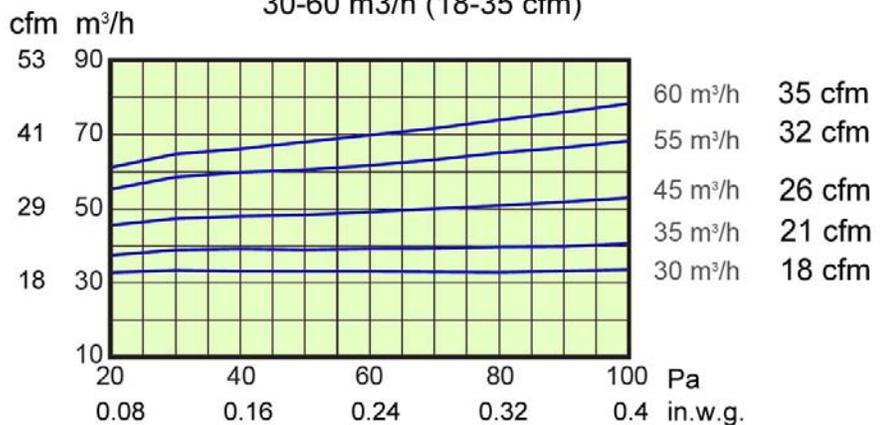
SKP-LP 04 18 (Low Pressure, 4 in. diameter, up to 18 cfm)

10-30 m³/h (6-18 cfm)



SKP-LP 04 35 (Low Pressure, 4 in. diameter, up to 35 cfm)

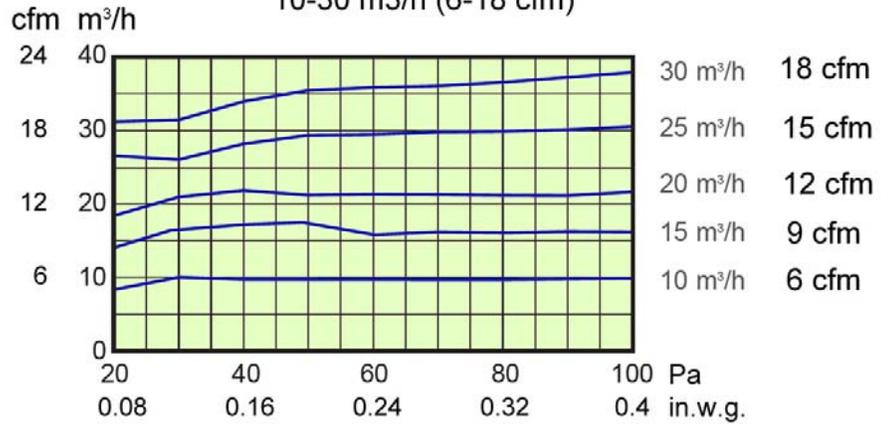
30-60 m³/h (18-35 cfm)



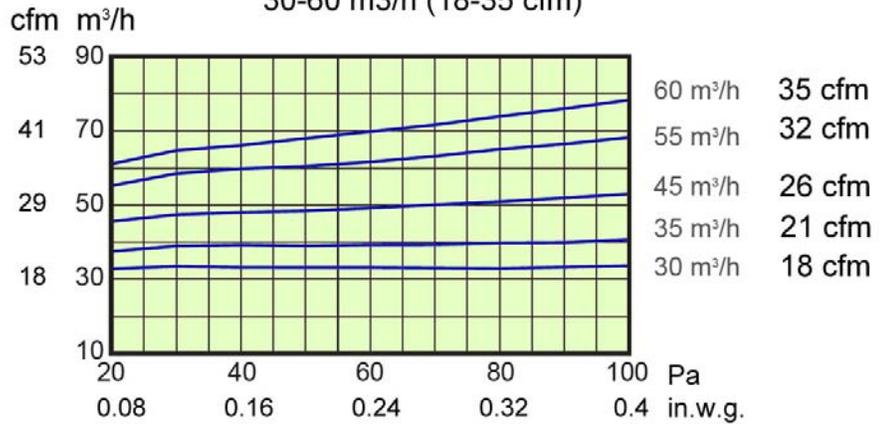
SKP-LP 5" Performance Data



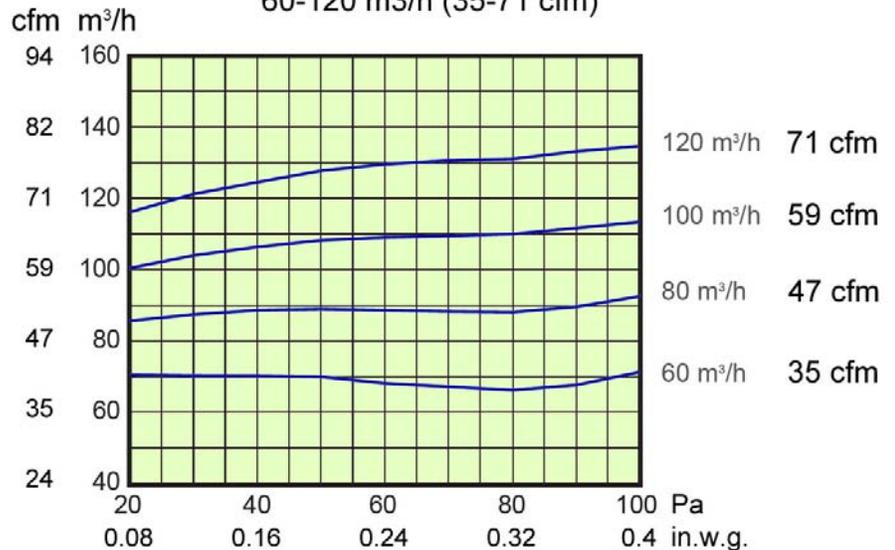
SKP-LP 05 18 (Low Pressure, 5 in. diameter, up to 18 cfm)
10-30 m³/h (6-18 cfm)



SKP-LP 05 35 (Low Pressure, 5 in. diameter, up to 35 cfm)
30-60 m³/h (18-35 cfm)



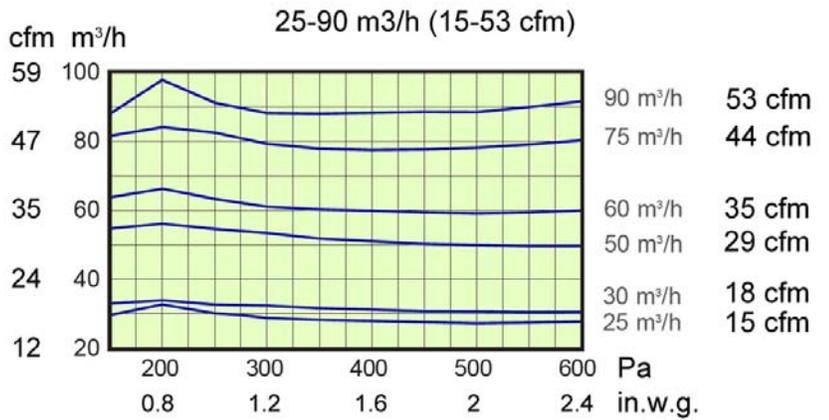
SKP-LP 05 71 (Low Pressure, 5 in. diameter, up to 71 cfm)
60-120 m³/h (35-71 cfm)



SKP-HP 3" Performance Data



SKP-HP 03 53 (High Pressure, 3 in. diameter, up to 53 cfm)



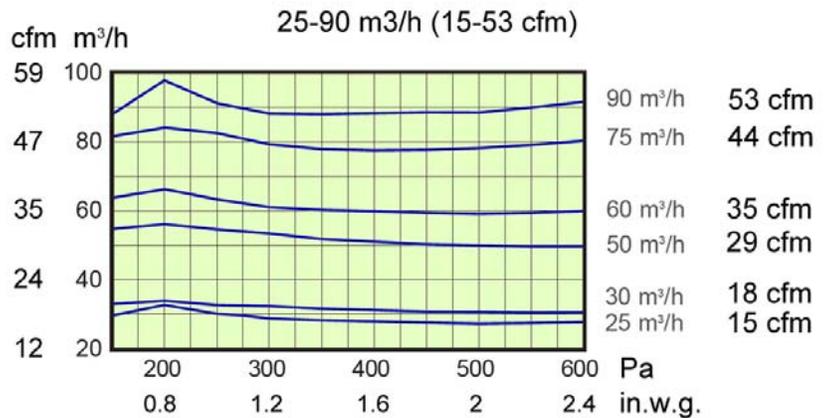
Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
15	25	41	50	53	56
29	50	45	53	58	61
44	75	47	54	58	61
53	90	51	55	59	61

SKP-HP 4" Performance Data



SKP-HP 04 53 (High Pressure, 4 in. diameter, up to 53 cfm)

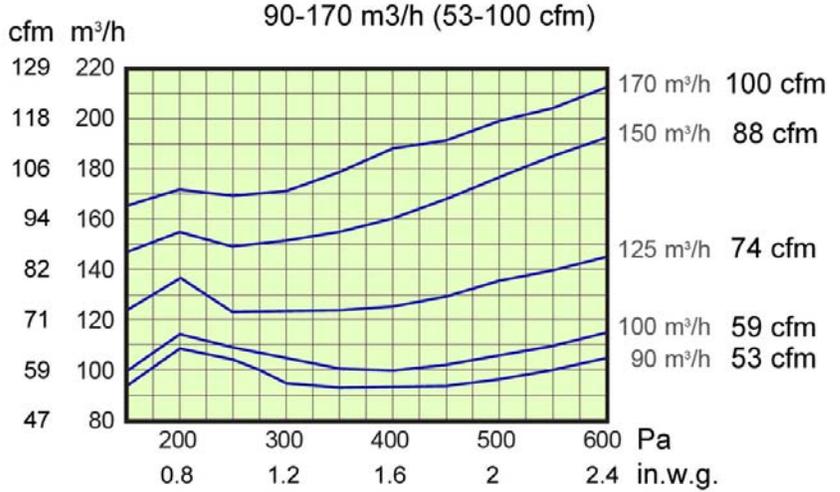


Acoustic Power Level Lw in dB(A)

cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
15	25	41	50	53	56
29	50	45	53	58	61
44	75	47	54	58	61
53	90	51	55	59	61



SKP-HP 04 100 (High Pressure, 4 in. diameter, up to 100 cfm)



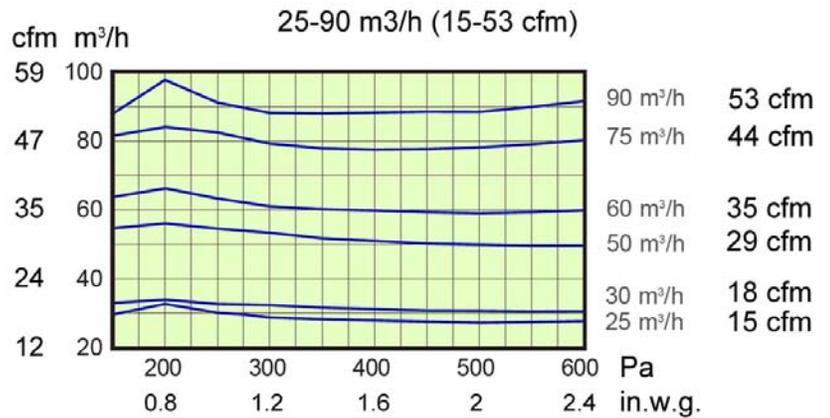
cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
53	90	45	52	56	59
59	100	46	52	56	59
74	125	48	53	57	59
88	150	50	54	58	61
100	170	51	54	58	61

Acoustic Power Level Lw in dB(A)

SKP-HP 5" Performance Data



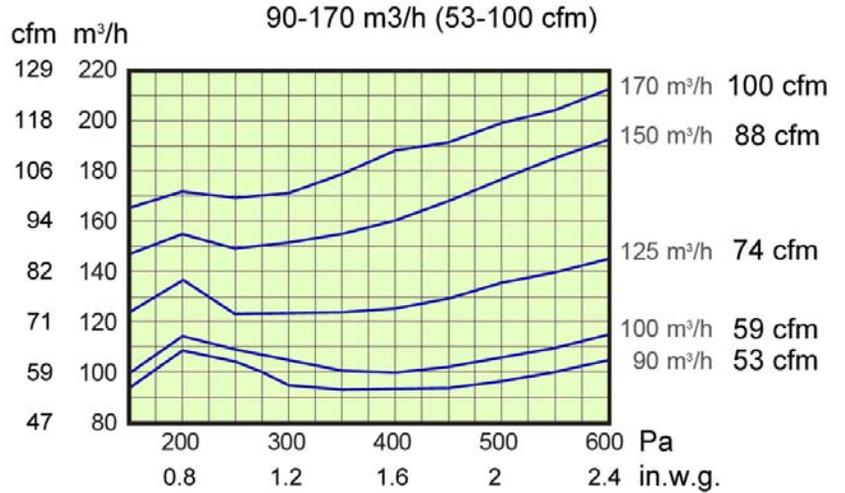
SKP-HP 05 53 (High Pressure, 5 in. diameter, up to 53 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
15	25	41	50	53	56
29	50	45	53	58	61
44	75	47	54	58	61
53	90	51	55	59	61

Acoustic Power Level Lw in dB(A)

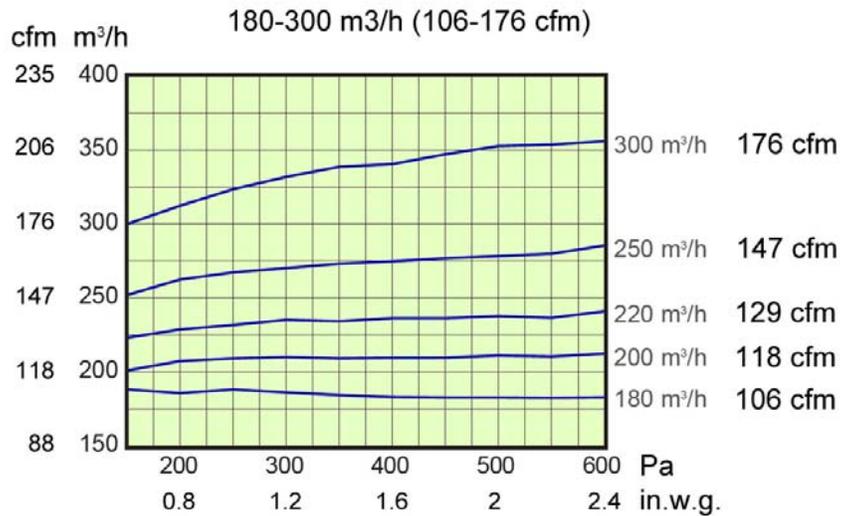
SKP-HP 05 100 (High Pressure, 5 in. diameter, up to 100 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
53	90	45	52	56	59
59	100	46	52	56	59
74	125	48	53	57	59
88	150	50	54	58	61
100	170	51	54	58	61

Acoustic Power Level Lw in dB(A)

SKP-HP 05 176 (High Pressure, 5 in. diameter, up to 176 cfm)

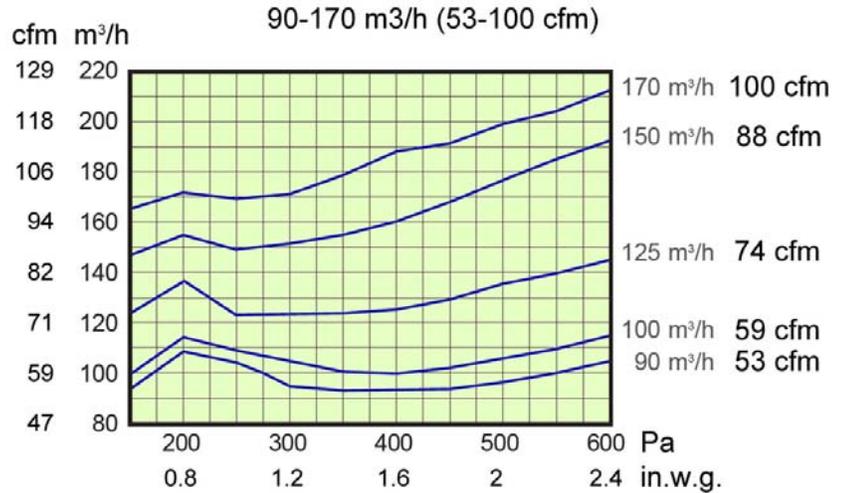


cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
106	180	48	55	58	59
118	200	49	55	59	61
129	220	50	56	59	61
147	250	50	56	59	61
176	300	52	56	59	61

Acoustic Power Level Lw in dB(A)

SKP-HP 6" Performance Data

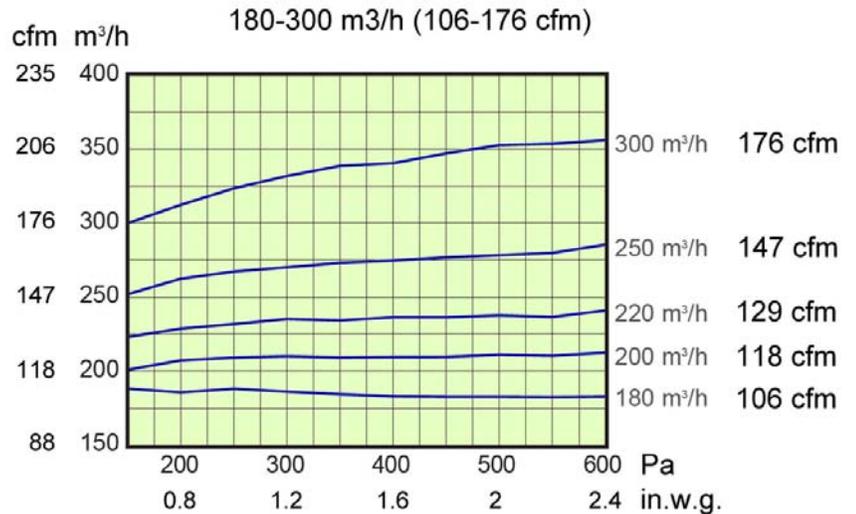
SKP-HP 06 100 (High Pressure, 6 in. diameter, up to 100 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
53	90	45	52	56	59
59	100	46	52	56	59
74	125	48	53	57	59
88	150	50	54	58	61
100	170	51	54	58	61

Acoustic Power Level Lw in dB(A)

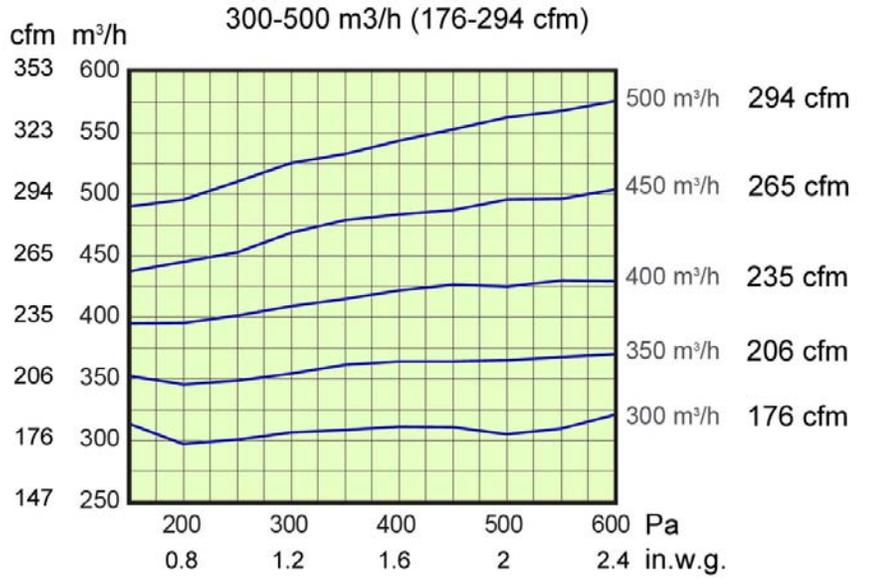
SKP-HP 06 176 (High Pressure, 6 in. diameter, up to 176 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
106	180	48	55	58	59
118	200	49	55	59	61
147	250	50	56	59	61
176	300	52	56	59	61

Acoustic Power Level Lw in dB(A)

SKP-HP 06 294 (High Pressure, 6 in. diameter, up to 294 cfm)



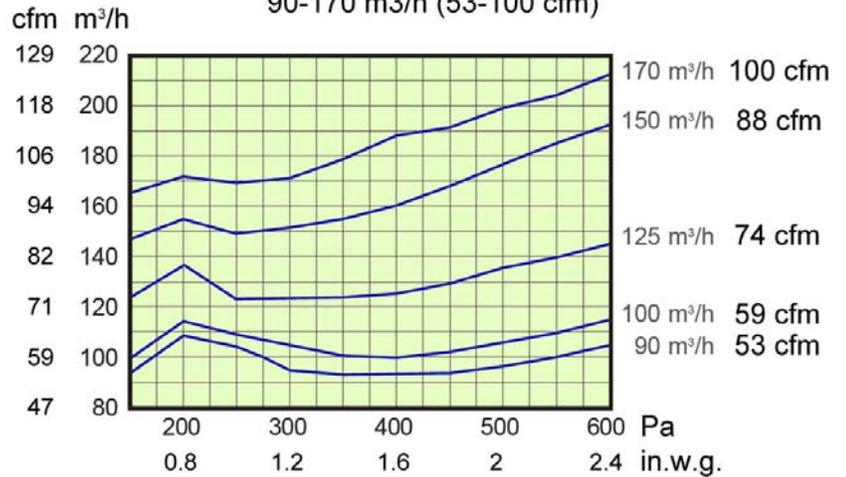
cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
176	300	53	57	59	61
206	350	54	58	60	62
235	400	54	58	61	64
265	450	55	59	63	64
294	500	56	60	63	65

Acoustic Power Level Lw in dB(A)

SKP-HP 8" Performance Data



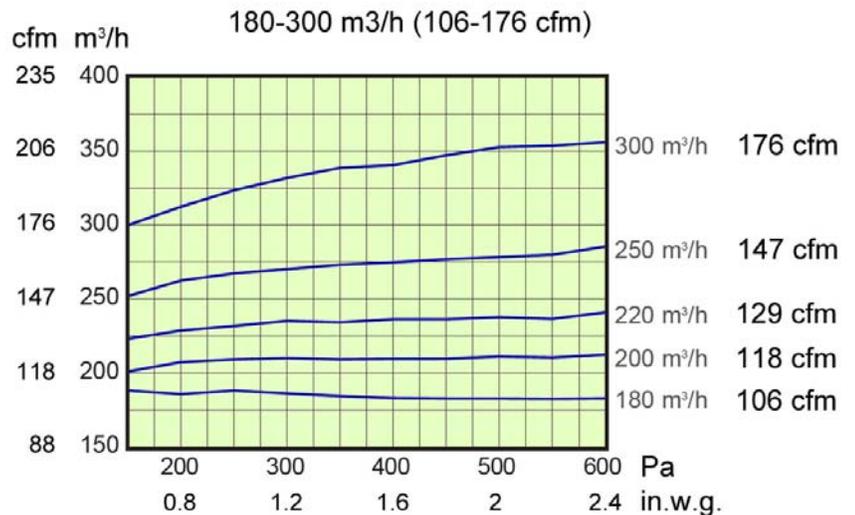
SKP-HP 08 100 (High Pressure, 8 in. diameter, up to 100 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
53	90	45	52	56	59
59	100	46	52	56	59
74	125	48	53	57	59
88	150	50	54	58	61
100	170	51	54	58	61

Acoustic Power Level Lw in dB(A)

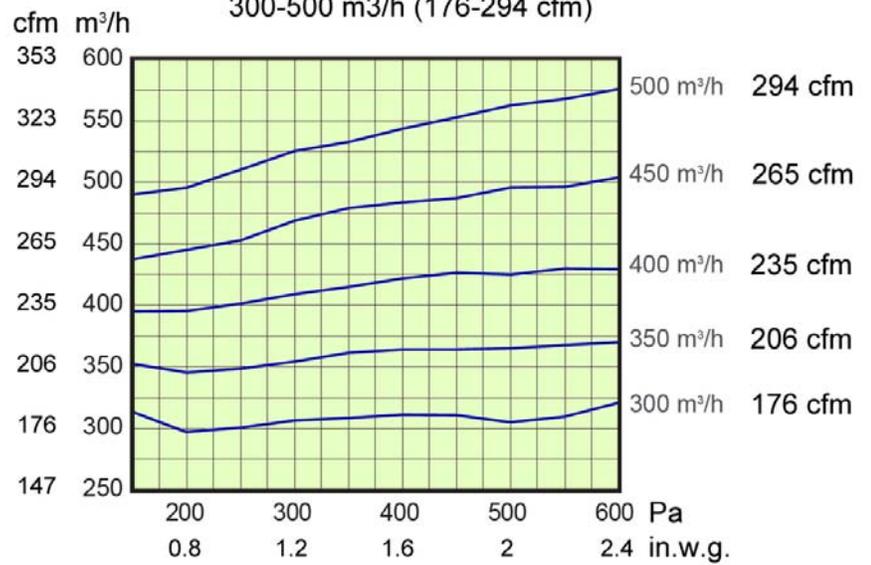
SKP-HP 08 176 (High Pressure, 8 in. diameter, up to 176 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
106	180	48	55	58	59
118	200	49	55	59	61
147	250	50	56	59	61
176	300	52	56	59	61

Acoustic Power Level Lw in dB(A)

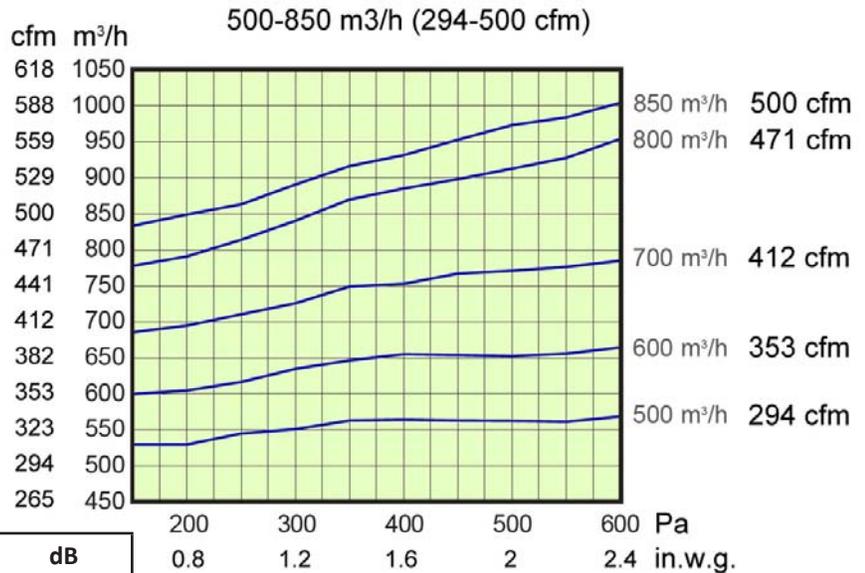
SKP-HP 08 294 (High Pressure, 8 in. diameter, up to 294 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
176	300	53	57	59	61
206	350	54	58	60	62
235	400	54	58	61	64
265	450	55	59	63	64
294	500	56	60	63	65

Acoustic Power Level Lw in dB(A)

SKP-HP 08 500 (High Pressure, 8 in. diameter, up to 500 cfm)



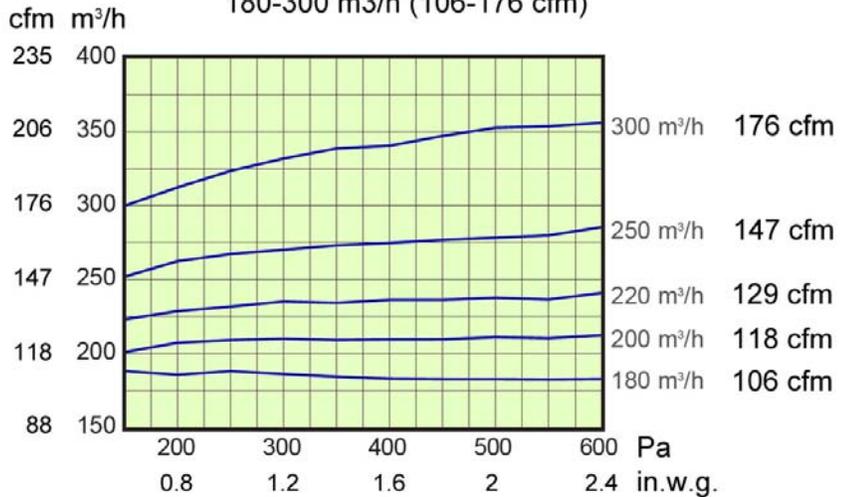
cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
294	500	54	58	61	63
353	600	54	57	61	63
412	700	55	59	62	64
471	800	56	61	65	66
500	850	57	62	65	67

Acoustic Power Level Lw in dB(A)

SKP-HP 10" Performance Data



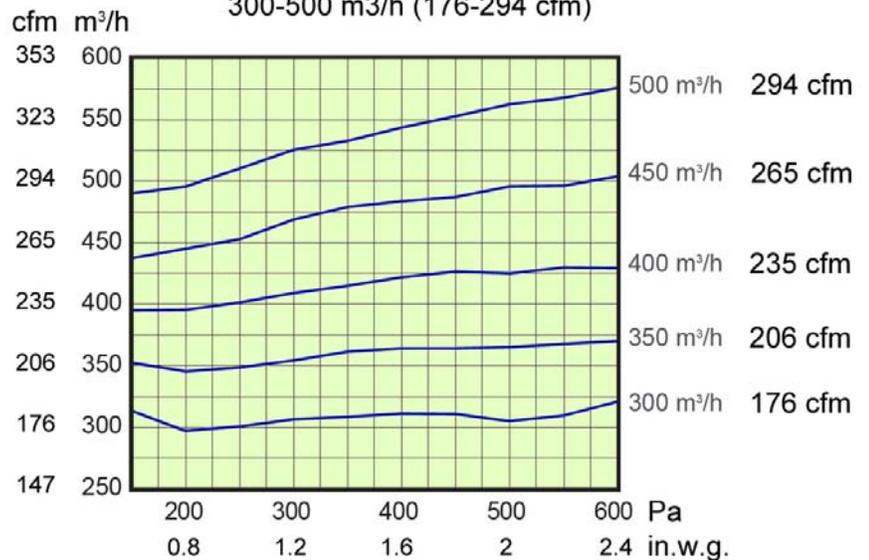
SKP-HP 10 176 (High Pressure, 10 in. diameter, up to 176
180-300 m³/h (106-176 cfm))



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
106	180	48	55	58	59
118	200	49	55	59	61
147	250	50	56	59	61
176	300	52	56	59	61

Acoustic Power Level Lw in dB(A)

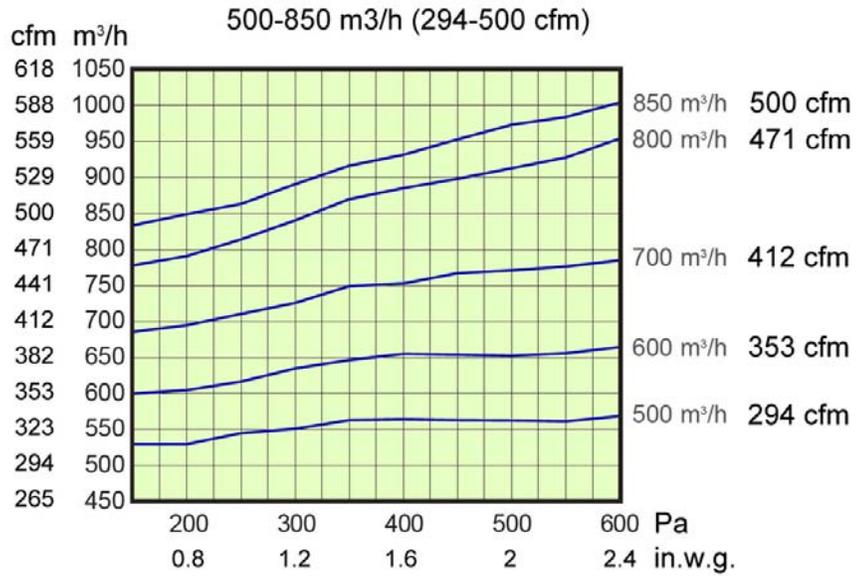
SKP-HP 10 294 (High Pressure, 10 in. diameter, up to 294
300-500 m³/h (176-294 cfm))



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
176	300	53	57	59	61
206	350	54	58	60	62
235	400	54	58	61	64
265	450	55	59	63	64
294	500	56	60	63	65

Acoustic Power Level Lw in dB(A)

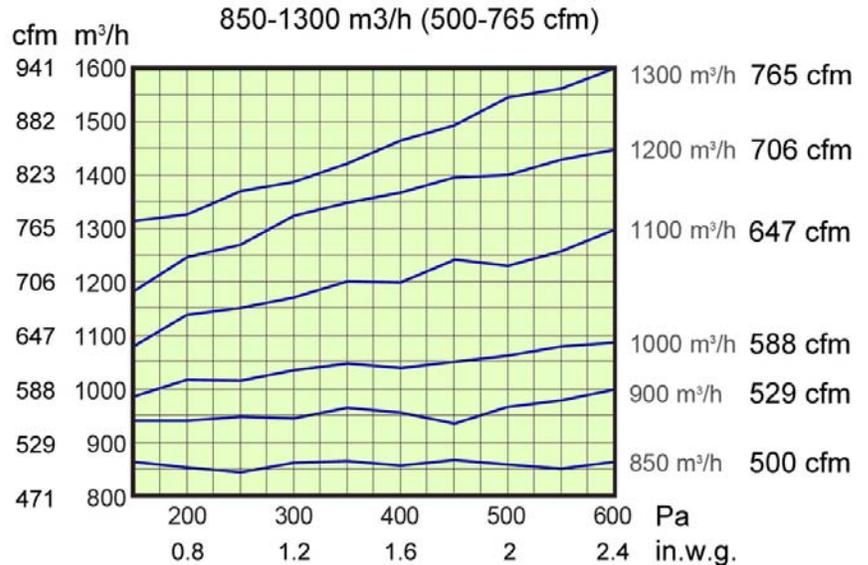
SKP-HP 10 500 (High Pressure, 10 in. diameter, up to 500 cfm)



cfm	m ³ /h	dB 0.6 in.w.g.	dB 1.2 in.w.g.	dB 1.8 in.w.g.	dB 2.4 in.w.g.
294	500	54	58	61	63
353	600	54	57	61	63
412	700	55	59	62	64
471	800	56	61	65	66
500	850	57	62	65	67

Acoustic Power Level L_w in dB(A)

SKP-HP 10 765 (High Pressure, 10 in. diameter, up to 765 cfm)



How to Specify SKP

Supply and mounting of SKP Constant Air Volume Damper/Regulator, self-adjustable to maintain desired volume of air in pressure conditions varying between 0.2 and 1 in.w.g. (50 Pa and 250 Pa). Constructed from plastic and certified UL 2043. By EffectiV HVAC.

How to Specify SKP-LP

Supply and mounting of SKP Low Pressure Constant Air Volume Damper/Regulator, self-adjustable to maintain desired volume of air in pressure conditions varying between 0.08 and 0.4 in.w.g. (20 Pa and 100 Pa). Constructed from plastic and certified UL 2043. By EffectiV HVAC.

How to Specify SKP-HP

Supply and mounting of SKP High Pressure Constant Air Volume Damper/Regulator, self-adjustable to maintain desired volume of air in pressure conditions varying between 0.6 and 2.4 in.w.g. (150 Pa and 600 Pa). Constructed from plastic and certified UL 2043. By EffectiV HVAC.

SUBMITTAL DRAWINGS

AIR BALANCING



SKC-C Series Constant Air Volume Damper For Circular Duct

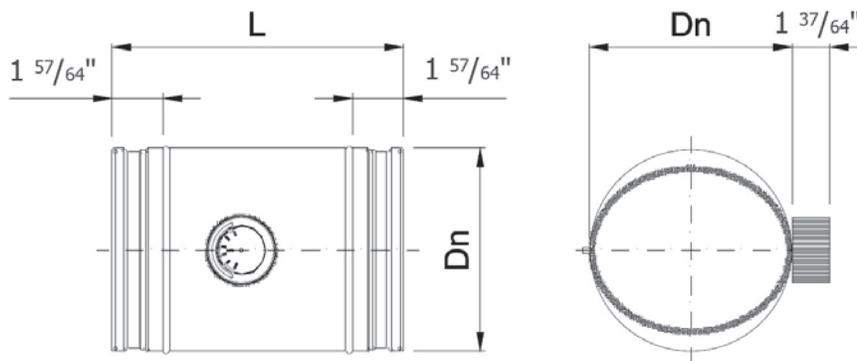
Material | Galvanized Steel

Pressure | 0.2 - 4 in.w.g. (50 - 1000 Pa)

Ajustment | manually pre-set, self-adjustable



SKC-C



Select Model

✓	Model	Dn	L	cfm	Min Pressure (in.w.g.)	Max Pressure (in.w.g.)
	SKC-C 04	3 55/64"	8 55/64"	59 - 147	0.201 - 0.442	4.019
	SKC-C 05	4 27/32"	10 5/8"	59 - 206	0.201 - 0.321	4.019
	SKC-C 06	6 7/32"	11 39/64"	106 - 353	0.201 - 0.402	4.019
	SKC-C 08	7 51/64"	11 39/64"	147 - 529	0.201 - 0.502	4.019
	SKC-C 10	9 49/64"	13 3/16"	265 - 706	0.201 - 0.543	4.019
	SKC-C 12	12 21/64"	13 25/64"	412 - 1235	0.201 - 0.884	4.019
	SKC-C 14	13 57/64"	14 61/64"	529 - 1529	0.201 - 0.884	4.019
	SKC-C 16	15 43/64"	16 17/32"	588 - 2000	0.201 - 0.884	4.019

<p>Project:</p> <p>Engineer:</p> <p>Architect:</p> <p>Contractor:</p>

SKC-C Series Constant Air Volume Damper For Circular Duct

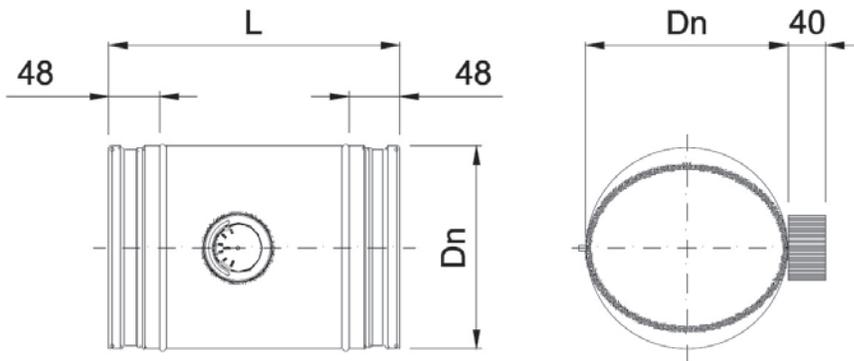
Material | Galvanized Steel

Pressure | between 50 Pa and 1000 Pa

Ajustment | manually pre-set, self-adjustable



SKC-C



Select Model

✓	Model	Dn	L	m3/h	Min Pressure (Pa)	Max Pressure (Pa)
	SKC-C 80	78 mm	225 mm	60 - 150	50 - 115	1000
	SKC-C 100	98 mm	270 mm	100 - 250	50 - 110	1000
	SKC-C 125	123 mm	270 mm	100 - 350	50 - 80	1000
	SKC-C 160	158 mm	295 mm	180 - 600	50 - 100	1000
	SKC-C 200	198 mm	295 mm	250 - 900	50 - 125	1000
	SKC-C 250	248 mm	335 mm	450 - 1200	50 - 135	1000
	SKC-C 315	313 mm	340 mm	700 - 2100	50 - 220	1000
	SKC-C 355	353 mm	380 mm	900 - 2600	50 - 220	1000
	SKC-C 400	398 mm	420 mm	1000 - 3400	50 - 220	1000

Project:

Engineer:

Architect:

Contractor:

SKC-R Series Constant Air Volume Damper For Rectangular Duct

Material | Galvanized Steel

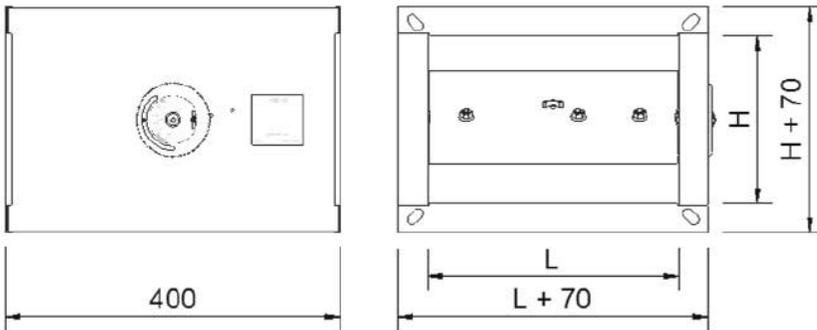
Pressure | between 50 Pa and 1000 Pa

Adjustment | manually pre-set, self-adjustable

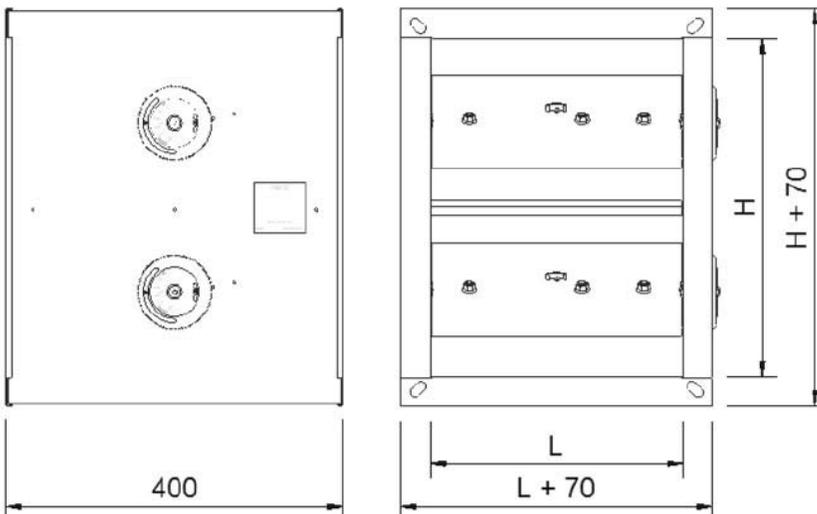


SKC-R

H ≤ 300



H > 400



Select Model			
✓	Model	L	H
	SKC-R		

Project:
Engineer:
Architect:
Contractor:

SKP Series Constant Air Volume Damper/Regulator

Material | Plastic (Rated UL 2043)

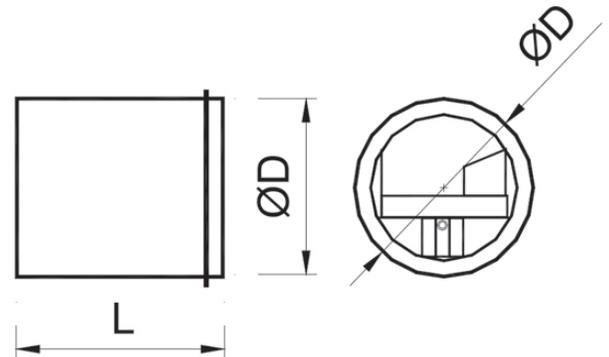
Pressure | 0.2 - 1 in.w.g. (50 - 250 Pa)

Ajustment | manually pre-set, self-adjustable



SKP

Select Model				
✓	Model	D	L	cfm
	SKP 03 29	2 63/64"	2 1/4"	9 - 29
	SKP 04 29	3 25/32"	2 43/64"	9 - 29
	SKP 04 59	3 25/32"	2 43/64"	29 - 59
	SKP 05 29	4 23/32"	2 43/64"	9 - 29
	SKP 05 59	4 23/32"	2 43/64"	29 - 59
	SKP 05 106	4 23/32"	3 25/64"	59 - 106
	SKP 06 59	5 53/64"	3 11/32"	29 - 59
	SKP 06 106	5 53/64"	3 11/32"	59 - 106
	SKP 06 176	5 53/64"	3 11/32"	106- 176
	SKP 08 106	7 43/64"	3 37/64"	59 - 106
	SKP 08 176	7 43/64"	3 37/64"	106- 176
	SKP 08 294	7 43/64"	3 37/64"	176 - 294
	SKP 10 106	9 41/64"	4 23/32"	59 - 106
	SKP 10 176	9 41/64"	4 23/32"	106- 176
	SKP 10 294	9 41/64"	4 23/32"	176 - 294
	SKP 10 470	9 41/64"	4 23/32"	265-470



<p>Project:</p> <p>Engineer:</p> <p>Architect:</p> <p>Contractor:</p>

SKP-LP Series Low Pressure Constant Air Volume Damper/Regulator

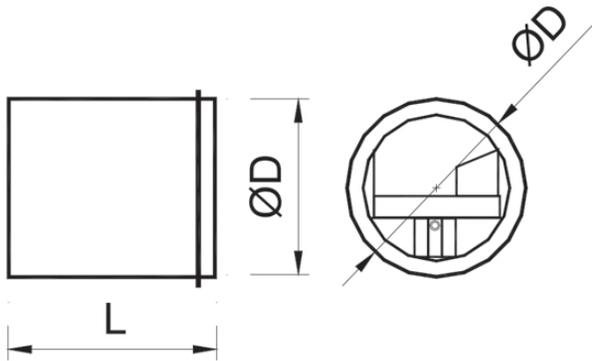
Material | Plastic (Rated UL 2043)

Pressure | 0.08 - 0.4 in.w.g. (20 - 100 Pa)

Adjustment | manually pre-set, self-adjustable



SKP-LP



Select Model				
✓	Model	D	L	cfm
	SKP-LP 03 18	2 63/64"	2 11/64"	6 - 18
	SKP-LP 04 18	3 25/32"	2 3/4"	6 - 18
	SKP-LP 04 35	3 25/32"	2 3/4"	18 - 35
	SKP-LP 05 18	4 23/32"	3 25/64"	6 - 18
	SKP-LP 05 35	4 23/32"	3 25/64"	18 - 35
	SKP-LP 05 71	4 23/32"	3 25/64"	35 - 71

Project:
Engineer:
Architect:
Contractor:

SKP-HP Series

High Pressure Constant Air Volume Damper/Regulator

Material | Plastic (Rated UL 2043)

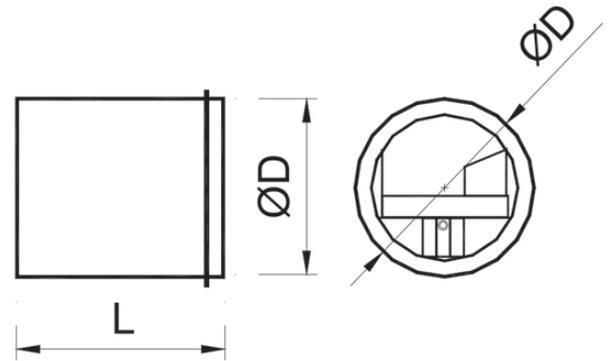
Pressure | 0.6 - 2.4 in.w.g. (150 - 600 Pa)

Adjustment | manually pre-set, self-adjustable



SKP-HP

Select Model				
✓	Model	D	L	cfm
	SKP-HP 03 53	2 63/64"	2 11/64"	9 - 29
	SKP-HP 04 53	3 25/32"	2 3/4"	9 - 29
	SKP-HP 04 100	3 25/32"	2 3/4"	29 - 59
	SKP-HP 05 53	4 23/32"	3 25/64"	9 - 29
	SKP-HP 05 100	4 23/32"	3 25/64"	29 - 59
	SKP-HP 05 176	4 23/32"	3 25/64"	59 - 106
	SKP-HP 06 53	5 53/64"	3 37/64"	29 - 59
	SKP-HP 06 100	5 53/64"	3 37/64"	59 - 106
	SKP-HP 06 176	5 53/64"	3 37/64"	106- 176
	SKP-HP 06 294	5 53/64"	3 37/64"	59 - 106
	SKP-HP 08 100	7 43/64"	3 37/64"	106- 176
	SKP-HP 08 176	7 43/64"	3 37/64"	176 - 294
	SKP-HP 08 294	7 43/64"	3 37/64"	59 - 106
	SKP-HP 08 500	7 43/64"	3 37/64"	106- 176
	SKP-HP 10 176	9 41/64"	4 23/32"	176 - 294
	SKP-HP 10 294	9 41/64"	4 23/32"	265-470
	SKP-HP 10 500	9 41/64"	4 23/32"	176 - 294
	SKP-HP 10 765	9 41/64"	4 23/32"	265-470



Project:
Engineer:
Architect:
Contractor:

SKP Series Low Pressure Constant Air Volume Damper

Material | Plastic (Rated UL 2043)

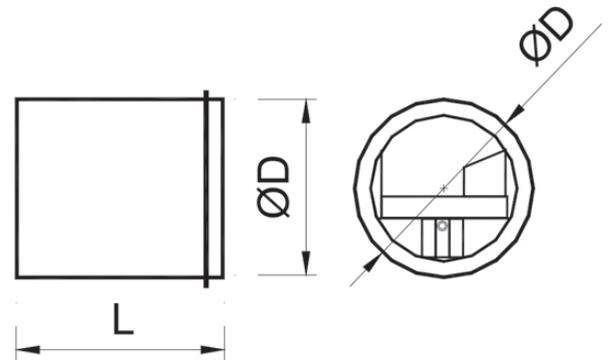
Pressure | between 50 Pa and 250 Pa

Adjustment | manually pre-set, self-adjustable



SKP

Select Model				
✓	Model	D	L	m3/h
	SKP 80-30	76 mm	55 mm	15 - 50
	SKP 100-30	96 mm	70 mm	15 - 50
	SKP 100-60	96 mm	70 mm	50 - 100
	SKP 125-30	120 mm	86 mm	15 - 50
	SKP 125-60	120 mm	86 mm	50 - 100
	SKP 125-120	120 mm	86 mm	100 - 180
	SKP 150-150	148 mm	91 mm	100 - 180
	SKP 150-210	148 mm	91 mm	180 - 300
	SKP 160-150	148 mm	91 mm	100 - 180
	SKP 160-210	148 mm	91 mm	180 - 300
	SKP 200-300	195 mm	91 mm	180 - 300
	SKP 200-350	195 mm	91 mm	300 - 500
	SKP 250-500	245 mm	91 mm	300 - 500
	SKP 250-600	245 mm	91 mm	500 - 700

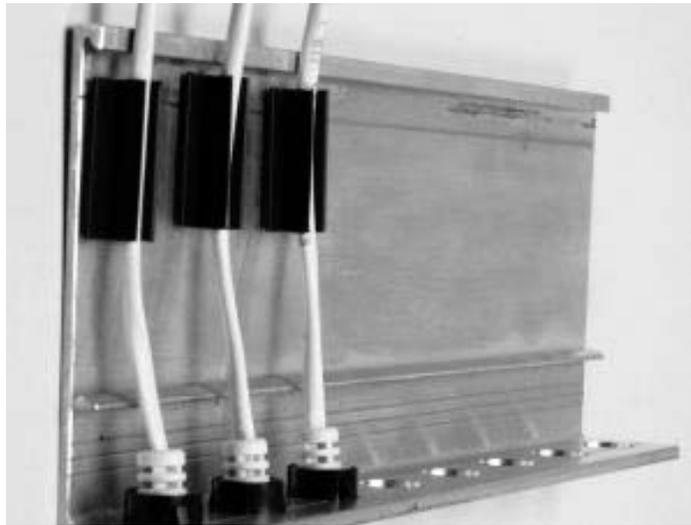


<p>Project:</p> <p>Engineer:</p> <p>Architect:</p> <p>Contractor:</p>

EB-AB8

Eight Connector Wall Bracket for EB Dampers

Material | Extruded Aluminum



Select Model	
✓	Model
	EB-AB8

Project:
Engineer:
Architect:
Contractor:

EB-REMOTE

Battery Powered Remote Control for EB Dampers



Select Model	
✓	Model
	EB-REMOTE

Project:
Engineer:
Architect:
Contractor:

EB-SP Series Drywall Termination Fixtures for EB Dampers

Material | UL 94-V0 flammability rated white nylon



EB-SP1



EB-SP8

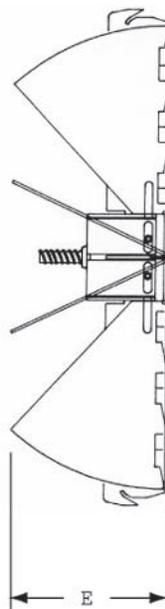
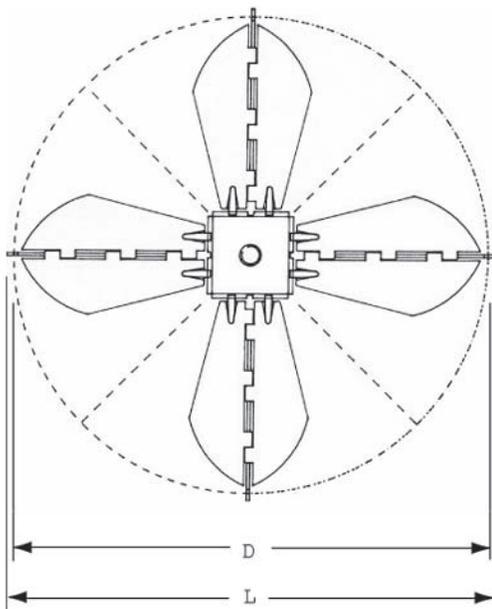
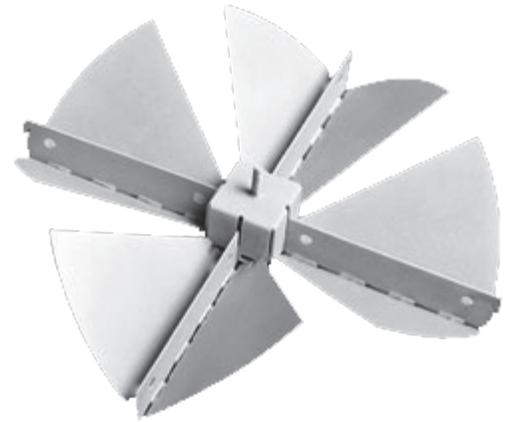
Select Model		
✓	Model	
	EB-SP1	Single Connector Panel
	EB-SP8	Eight Connector Panel

Project:
Engineer:
Architect:
Contractor:

OBD Series Radial Opposed Blade Dampers

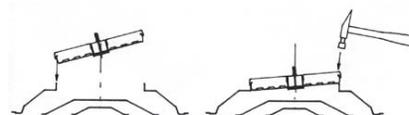
Material | heavy gauge galvanized steel.

Matching Products | DCG 6" and 12", TWIST 6", 8", 10" and 12".



Vertical operator accepts standard screwdriver for slotted or hex head thru diffuser face.

Installation



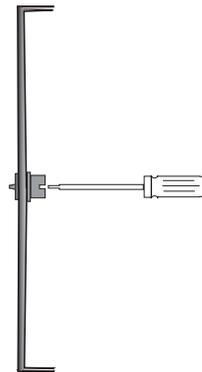
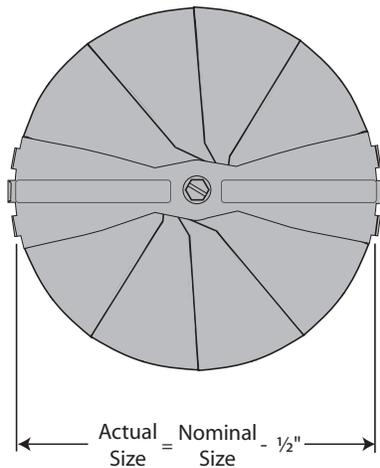
Select Model				
✓	Model	L	D	E
	OBD 06	6"	5 3/4"	2 3/8"
	OBD 08	8"	7 3/4"	3 1/8"
	OBD 10	10"	9 3/4"	3 3/4"
	OBD 12	12"	11 3/4"	4 1/2"

<p>Project:</p> <p>Engineer:</p> <p>Architect:</p> <p>Contractor:</p>

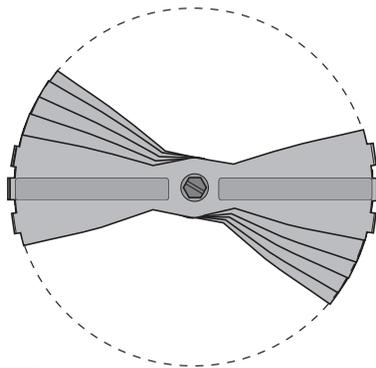
RSBD Series Radial Sliding Blade Dampers

Material | heavy gauge galvanized steel.

Matching Products | DCG 6" and 12", TWIST 6", 8", 10" and 12".



Vertical operator accepts standard screwdriver for slotted or hex head thru diffuser face.



Select Model		
✓	Model	L
	RSBD 06	6"
	RSBD 08	8"
	RSBD 10	10"
	RSBD 12	12"

Project:
Engineer:
Architect:
Contractor:



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