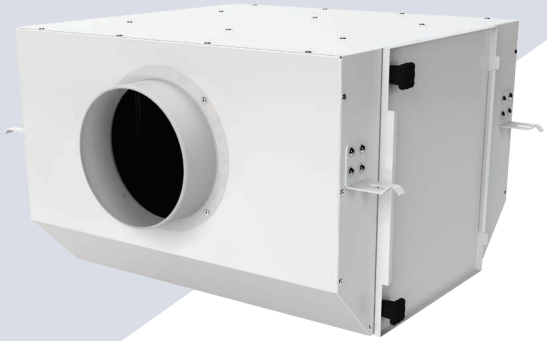


FILTER BOX

Sound-insulated centrifugal fans with filters

VENTS-US

The best ventilation solution for premises with high requirements to clean air and the noise level.

VENTS KSV SERIES

Sound-insulated centrifugal fans with filters

Air flow: up to 371 CFM

Power:: from 32 W

Noise level: 0.25 Sones

FEATURES

- Designed for integration into supply and exhaust, ventilation systems requiring high cleaning of intake air, low-noise operation and limited mounting space.
- Compatible with Ø 4" up to 8" round air ducts.

DESIGN

- The casing is made of polymer coated steel, internally lined with sound-insulating layer. Power is supplied through the terminal box inside of the casing. The fan design provides convenient maintenance access to the internal parts and filter replacement.

MOTOR

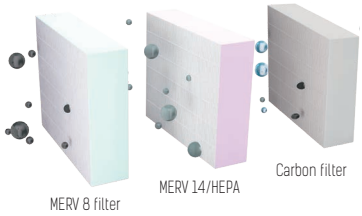
- The single-speed models are equipped with a fourpole asynchronous electric external rotor motors and centrifugal impellers with forward curved blades. The impellers are dynamically balanced. The motors are compatible with power mains frequency 60 Hz. The double-speed models (Duo) are equipped with asynchronous electric external rotor motors and centrifugal impellers with forward curved blades. Double-speed control. The ball bearings enable a long operating life. The motors are equipped with an integrated overheating protection with automatic restart. The motor protection class is IP44.

AIR FILTRATION

- Built-in filters provide efficient air filtration. Up to three filters can be installed into the casing.
- MERV8 filter provides primary filtration. At the second stage, the secondary filter MERV14 or HEPA filter H13 (HEPA type C) can be installed. MERV14 filter arrests up to 98 % of PM 2.5 dust particles. HEPA Filter H13 (HEPA type C) arrest up to 99 % of PM 2.5 dust particles, pollen and bacteria. For additional removal of unwanted odours and gases, it is possible to install a carbon filter. The casing incorporates a service panel for quick access to the filters.

MOUNTING

- The fans are compatible with round air ducts. The use of flexible connectors requires fixation of the fan on the building structure by means of the supplied mounting brackets. The fan can be installed in any position (including suspended ceiling mounting), taking into account the air flow direction indicated by the arrow on the fan casing.



Modifications
KSV DUO: two-speed motor **KSV Q:** low noise and low-powered motor

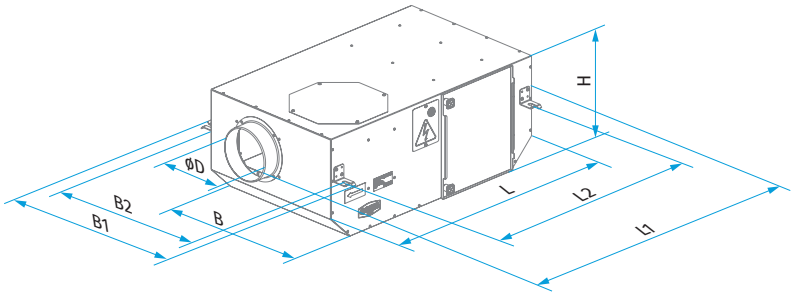
Speed control
Single-speed models: smooth speed control with the external speed controller RS-1-400 (specially ordered accessory). **Two-speed models:** smooth speed control with the external speed switch P2-10 (specially ordered accessory).

DESIGNATION KEY

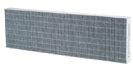
Series	Spigot diameter	Motor modification	Filters	Options
VENTS KSV	100 - 4' 150 - 6' 200 - 8'	**Duo:** two-speed motor **Q:** low noise and low-powered motor	**G4: Only MERV8** **G4/F8: MERV8 + MERV14** **G4/F8/C: MERV8 + MERV 14+ coal filter** **G4/H13: MERV8 + HEPA type C** **G4/H13/C: MERV8 + HEPA type C+ Coal filter**	**R:** 15 inch long power cable with a C14 plug **R1:** 15 inch long power cable with a standard electric plug

OVERALL DIMENSIONS [IN]

Model	ØD	L	H	B	L1	B1	L2	B2	Weight [lb]
KSV 100 (DUO) G4	4	27 3/4	9 7/8	16 3/8	31 5/8	20	25 5/8	18	30.8
KSV 100 (DUO) G4/F8									31.2
KSV 100 (DUO) G4/F8/C									32.8
KSV 100 (DUO) G4/H13									31.2
KSV 100 (DUO) G4/H13/C									32.8
KSV 150 (DUO) G4	5 7/8	27 3/4	9 7/8	16 3/8	31 5/8	20	25 5/8	18	35.1
KSV 150 (DUO) G4/F8									35.6
KSV 150 (DUO) G4/F8/C									37.7
KSV 150 (DUO) G4/H13									35.6
KSV 150 (DUO) G4/H13/C									37.7
KSV 150 (DUO) Q G4	5 7/8	29	11 3/4	17 3/8	32 7/8	21	26 3/4	19	30.8
KSV 150 (DUO) Q G4/F8									31.2
KSV 150 (DUO) Q G4/F8/C									32.8
KSV 150 (DUO) Q G4/H13									31.2
KSV 150 (DUO) Q G4/H13/C									32.8
KSV 200 (DUO) G4	7 7/8	29	11 3/4	23 3/4	32 7/8	27 1/2	26 3/4	25 1/2	41.3
KSV 200 (DUO) G4/F8									42.1
KSV 200 (DUO) G4/F8/C									32.7
KSV 200 (DUO) G4/H13									42.1
KSV 200 (DUO) G4/H13/C									32.8



ACCESSORIES

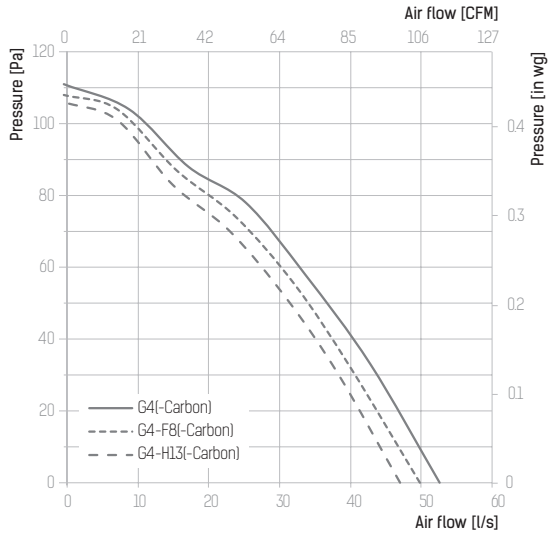
Name	Image	KSV 100	KSV 150 Q	KSV 150	KSV 200	KSV 100 DUO	KSV 150 DUO Q	KSV 150 DUO	KSV 200 DUO
Panel filter MERV8		SF 220x400x47-G4		SF 270x425x47-G4	SF 270x590x47-G4	SF 220x400x47-G4		SF 270x425x47-G4	SF 270x590x47-G4
Panel filter MERV14		SF 220x400x47-F8		SF 270x425x47-F8	SF 270x590x47-F8	SF 220x400x47-F8		SF 270x425x47-F8	SF 270x590x47-F8
HEPA type C Panel filter		SF 220x400x47-H13		SF 270x425x47-H13	SF 270x590x47-H13	SF 220x400x47-H13		SF 270x425x47-H13	SF 270x590x47-H13
Carbon panel filter		SF 220x400x47-S		SF 270x425x47-S	SF 270x590x47-S	SF 220x400x47-S		SF 270x425x47-S	SF 270x590x47-S
Speed controller		PS-1-400				P2-10			

TECHNICAL DATA

Parameters	KSV 100 G4 KSV 100 G4/C	KSV 100 G4/F8 KSV 100 G4/F8/C	KSV 100 G4/H13 KSV 100 G4/H13/C
Voltage [V/50 (60) Hz]	1~ 230	1~ 230	1~ 230
Power [W]	53	53	52
Current [A]	0.27	0.27	0.27
Maximum air flow [CFM (l/s)]	112 (53)	106 (50)	100 (47)
RPM [min^{-1}]	1300	1300	1300
Sound pressure at 10 ft [Sones (dBA)]	0.4 (23)	0.4 (23)	0.4 (23)
Transported air temperature [°F]	-13...+104	-13...+104	-13...+104
Ingress protection rating	IPX4	IPX4	IPX4
PM 2.5 Ratio [%]	36	93	98

KSV 100

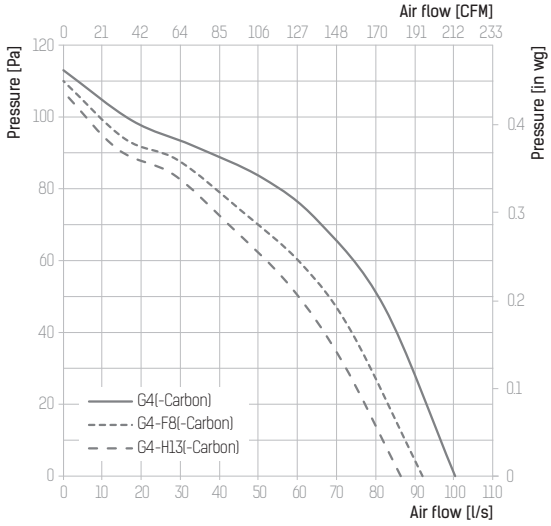
Sound power level, A-weighted	General	Octave frequency band [Hz]								LpA 10 ft [dBA]	LpA 3 ft [dBA]
		63	125	250	500	1000	2000	4000	8000		
L_{WA} to inlet [dBA]	48	32	34	40	42	43	40	34	26	27	37
L_{WA} to outlet [dBA]	51	27	42	47	45	44	32	24	13	30	40
L_{WA} to environment [dBA]	43	31	34	35	38	36	34	31	26	23	33



Parameters	KSV 150 Q G4 KSV 150 Q G4/C	KSV 150 Q G4/F8 KSV 150 Q G4/F8/C	KSV 150 Q G4/H13 KSV 150 Q G4/H13/C
Voltage [V/50 (60) Hz]	1~ 230	1~ 230	1~ 230
Power [W]	63	61	59
Current [A]	0.29	0.25	0.28
Maximum air flow [CFM (l/s)]	212 (100)	194 (92)	182 (86)
RPM [min^{-1}]	1300	1300	1300
Sound pressure at 10 ft [Sones (dBA)]	0.5 (25)	0.5 (25)	0.5 (25)
Transported air temperature [°F]	-13...+104	-13...+104	-13...+104
Ingress protection rating	IPX4	IPX4	IPX4
PM 2.5 Ratio [%]	31	92	98

KSV 150 Q

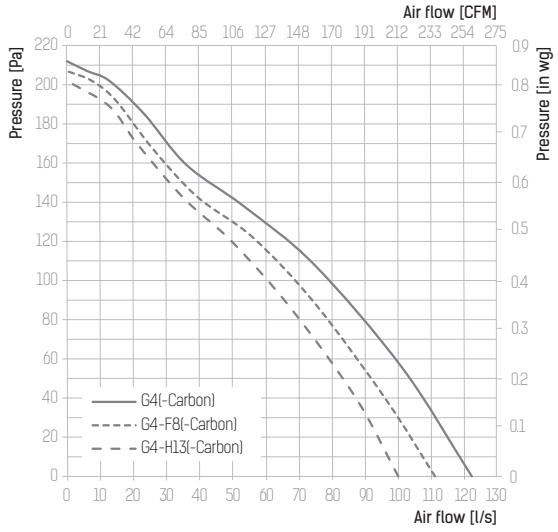
Sound power level, A-weighted	General	Octave frequency band [Hz]								LpA 10 ft [dBA]	LpA 3 ft [dBA]
		63	125	250	500	1000	2000	4000	8000		
L_{WA} to inlet [dBA]	53	28	44	49	47	46	34	25	14	33	43
L_{WA} to outlet [dBA]	56	39	41	48	51	52	48	41	32	36	46
L_{WA} to environment [dBA]	45	26	35	41	39	37	34	30	23	25	35



Parameters	KSV 150 G4 KSV 150 G4/C	KSV 150 G4/F8 KSV 150 G4/F8/C	KSV 150 G4/H13 KSV 150 G4/H13/C
Voltage [V/50 (60) Hz]	1~ 230	1~ 230	1~ 230
Power [W]	107	104	102
Current [A]	0.49	0.48	0.48
Maximum air flow [CFM (l/s)]	259 (122)	235 (111)	212 (100)
RPM [min^{-1}]	1250	1250	1250
Sound pressure at 10 ft [Sones (dBA)]	0.6 (27)	0.6 (27)	0.6 (27)
Transported air temperature [°F]	-13...+104	-13...+104	-13...+104
Ingress protection rating	IPX4	IPX4	IPX4
PM 2.5 Ratio [%]	39	92	98

KSV 150

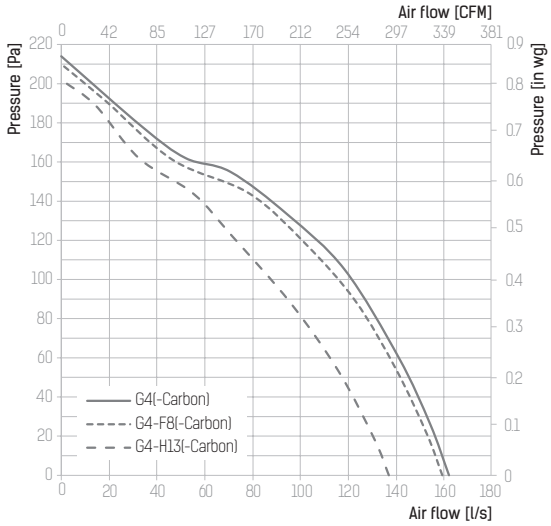
Sound power level, A-weighted	General	Octave frequency band [Hz]								LpA 10 ft [dBA]	LpA 3 ft [dBA]
		63	125	250	500	1000	2000	4000	8000		
L_{WA} to inlet [dBA]	53	39	40	47	50	41	40	38	27	33	43
L_{WA} to outlet [dBA]	58	42	39	47	54	50	51	45	35	37	47
L_{WA} to environment [dBA]	48	38	40	41	44	36	29	28	24	27	37



Parameters	KSV 200 G4 KSV 200 G4/C	KSV 200 G4/F8 KSV 200 G4/F8/C	KSV G4/H13 KSV G4/H13/C
Voltage [V/50 (60) Hz]	1~ 230	1~ 230	1~ 230
Power [W]	123	120	115
Current [A]	0.56	0.56	0.52
Maximum air flow [CFM (l/s)]	341 (161)	335 (158)	212 (136)
RPM [min^{-1}]	1250	1250	1250
Sound pressure at 10 ft [Sones (dBA)]	1.8 (38)	1.8 (38)	1.8 (38)
Transported air temperature [°F]	-13...+104	-13...+104	-13...+104
Ingress protection rating	IPX4	IPX4	IPX4
PM 2.5 Ratio [%]	40	93	98
SEC class	C	C	C
ErP	2016; 2018	2016; 2018	2016; 2018

KSV 200

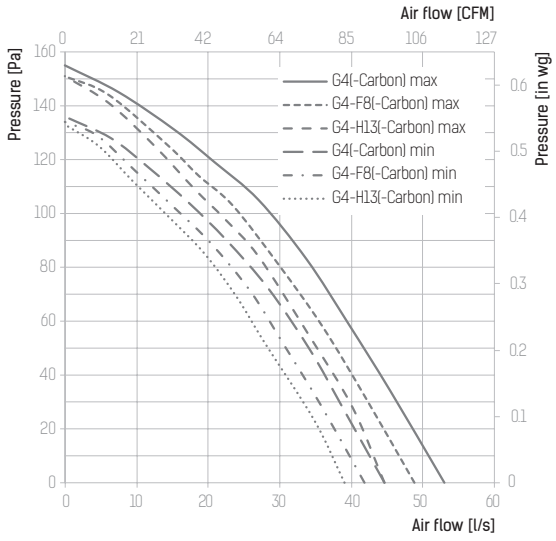
Sound power level, A-weighted	General	Octave frequency band [Hz]								LpA 10 ft [dBA]	LpA 3 ft [dBA]
		63	125	250	500	1000	2000	4000	8000		
L_{WA} to inlet [dBA]	67	55	56	58	60	58	59	57	55	46	56
L_{WA} to outlet [dBA]	71	58	56	68	63	61	59	55	47	50	60
L_{WA} to environment [dBA]	58	44	48	54	55	40	34	30	36	38	48



Parameters	KSV 100 Duo G4		KSV 100 Duo G4/F8 KSV 100 Duo G4/F8/C		KSV 100 Duo G4/H13 KSV 100 Duo G4/H13/C	
Speed	min	max	min	max	min	max
Voltage [V/50 (60) Hz]	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230
Power [W]	34	42	33	41	32	41
Current [A]	0.15	0.19	0.15	0.19	0.15	0.19
Maximum air flow [CFM (l/s)]	94 (44)	112 (53)	88 (42)	103 (49)	82 (39)	94 (44)
RPM [min^{-1}]	700	1200	700	1200	700	1200
Sound pressure at 10 ft [Sones (dBA)]	0.25 (14)	0.4 (23)	0.25 (14)	0.4 (23)	0.25 (14)	0.4 (23)
Transported air temperature [°F]	-13...+104	-13...+104	-13...+104	-13...+104	-13...+104	-13...+104
Ingress protection rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
PM 2.5 Ratio [%]	35	31	94	93	99	98

KSV 100 DUO

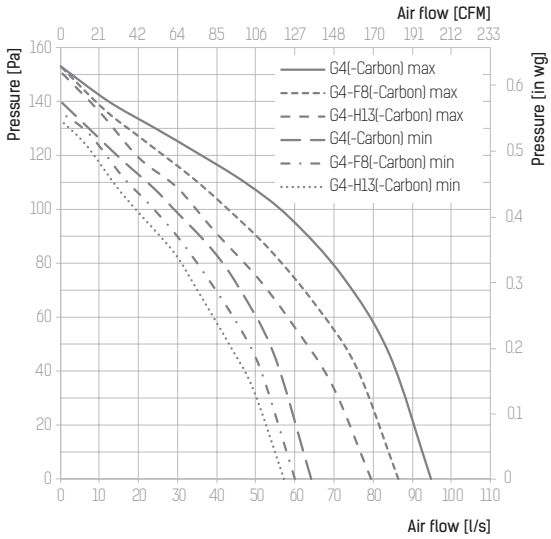
Sound power level, A-weighted		General	Octave frequency band [Hz]								LpA 10 ft [dBA]	LpA 3 ft [dBA]
			63	125	250	500	1000	2000	4000	8000		
min	L_{WA} to inlet [dBA]	41	26	28	33	35	36	33	28	22	20	30
	L_{WA} to outlet [dBA]	43	22	35	39	37	37	27	20	11	23	33
	L_{WA} to environment [dBA]	35	23	26	26	29	27	26	23	20	14	24
max	L_{WA} to inlet [dBA]	48	32	34	40	42	43	40	34	26	27	37
	L_{WA} to outlet [dBA]	51	27	42	47	45	44	32	24	13	30	40
	L_{WA} to environment [dBA]	43	31	34	35	38	36	34	31	26	23	33



Parameters	KSV 150 Duo Q G4 KSV 150 Duo Q G4/C		KSV 150 Duo Q G4/F8 KSV 150 Duo Q G4/F8/C		KSV 150 Duo Q G4/H13 KSV 150 Duo Q G4/H13/C	
Speed	min	max	min	max	min	max
Voltage [V/50 (60) Hz]	1~ 230	1~ 230	1~ 230	1~ 230	1~ 230	1~ 230
Power [W]	44	52	41	50	40	48
Current [A]	0.19	0.23	0.18	0.22	0.18	0.21
Maximum air flow [CFM (l/s)]	135 (64)	200 (94)	127 (60)	182 (86)	121 (57)	168 (79)
RPM [min^{-1}]	700	1200	700	1200	700	1200
Sound pressure at 10 ft [Sones (dBA)]	0.27 (15)	0.5 (25)	0.27 (15)	0.5 (25)	0.27 (15)	0.5 (25)
Transported air temperature [°F]	-13...+104	-13...+104	-13...+104	-13...+104	-13...+104	-13...+104
Ingress protection rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
PM 2.5 Ratio [%]	31	23	90	87	93	92

KSV 150 DUO Q

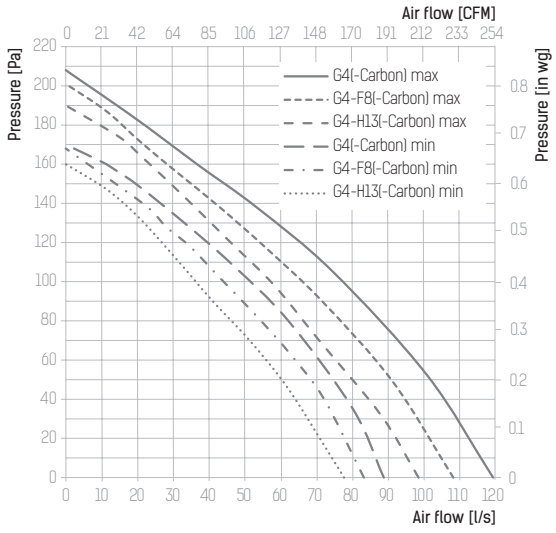
Sound power level, A-weighted		General	Octave frequency band [Hz]								LpA 10 ft [dBA]	LpA 3 ft [dBA]
			63	125	250	500	1000	2000	4000	8000		
min	L_{WA} to inlet [dBA]	45	24	37	41	39	38	28	21	11	25	35
	L_{WA} to outlet [dBA]	48	32	34	40	42	43	40	34	26	27	37
	L_{WA} to environment [dBA]	36	20	26	31	29	28	26	23	17	15	25
max	L_{WA} to inlet [dBA]	53	28	44	49	47	46	34	25	14	33	43
	L_{WA} to outlet [dBA]	56	39	41	48	51	52	48	41	32	36	46
	L_{WA} to environment [dBA]	45	26	35	41	39	37	34	30	23	25	35



Parameters	KSV 150 Duo G4 KSV 150 Duo G4/C		KSV 150 Duo G4/F8 KSV 150 Duo G4/F8/C		KSV 150 Duo G4/H13 KSV 150 Duo G4/H13/C	
Speed	min	max	min	max	min	max
Voltage [V/50 (60) Hz]	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230
Power [W]	92	117	89	115	85	114
Current [A]	0.41	0.55	0.41	0.55	0.38	0.54
Maximum air flow [CFM (l/s)]	188 (89)	253 (119)	177 (83)	230 (108)	165 (78)	209 (99)
RPM [min^{-1}]	700	1200	700	1200	700	1200
Sound pressure at 10 ft [Sones (dBA)]	0.29 (16)	0.6 (27)	0.29 (16)	0.6 (27)	0.29 (16)	0.6 (27)
Transported air temperature [°F]	-13...+104	-13...+104	-13...+104	-13...+104	-13...+104	-13...+104
Ingress protection rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
PM 2.5 Ratio [%]	47	41	95	94	98	96

KSV 150 DUO

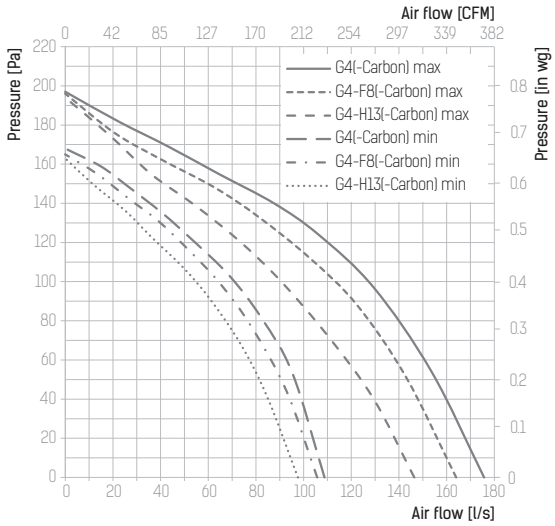
Sound power level, A-weighted		General	Octave frequency band [Hz]								LpA 10 ft [dBA]	LpA 3 ft [dBA]
			63	125	250	500	1000	2000	4000	8000		
min	L_{WA} to inlet [dBA]	44	31	32	38	41	33	32	31	22	24	34
	L_{WA} to outlet [dBA]	48	34	32	38	44	41	41	36	28	28	38
	L_{WA} to environment [dBA]	36	27	29	30	32	26	21	20	17	16	26
max	L_{WA} to inlet [dBA]	53	39	40	47	50	41	40	38	27	33	43
	L_{WA} to outlet [dBA]	58	42	39	47	54	50	51	45	35	37	47
	L_{WA} to environment [dBA]	48	38	40	41	44	36	29	28	24	27	37



Parameters	KSV 200 Duo G4 KSV 200 Duo G4/C		KSV 200 Duo G4/F8 KSV 200 Duo G4/F8/C		KSV 200 Duo G4/H13 KSV 200 Duo G4/H13/C	
Speed	min	max	min	max	min	max
Voltage [V/50 (60) Hz]	1~ 230	1~ 230	1~ 230	1~ 230	1~ 230	1~ 230
Power [W]	106	123	103	121	97	119
Current [A]	0.47	0.59	0.45	0.57	0.43	0.55
Maximum air flow [CFM (l/s)]	230 (108)	371 (175)	224 (106)	347 (164)	206 (97)	309 (146)
RPM [min^{-1}]	700	1200	700	1200	700	1200
Sound pressure at 10 ft [Sones (dBA)]	0.4 (22)	1.8 (38)	0.4 (22)	1.8 (38)	0.4 (22)	1.8 (38)
Transported air temperature [°F]	-13...+104	-13...+104	-13...+104	-13...+104	-13...+104	-13...+104
Ingress protection rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
PM 2.5 Ratio [%]	37	28	98	97	99	98

KSV 200 DUO

Sound power level, A-weighted		General	Octave frequency band [Hz]								LpA 10 ft [dBA]	LpA 3 ft [dBA]
			63	125	250	500	1000	2000	4000	8000		
min	L_{WA} to inlet [dBA]	55	44	45	47	48	47	48	46	44	35	45
	L_{WA} to outlet [dBA]	58	46	45	54	51	49	47	44	38	37	47
	L_{WA} to environment [dBA]	43	31	34	38	39	28	24	21	25	22	32
max	L_{WA} to inlet [dBA]	67	55	56	58	60	58	59	57	55	46	56
	L_{WA} to outlet [dBA]	71	58	56	68	63	61	59	55	47	50	60
	L_{WA} to environment [dBA]	58	44	48	54	55	40	34	30	36	38	48



VENTS FB K2 SERIES

Sound-insulated centrifugal fans with filters

FEATURES

- The best ventilation solution for premises with high requirements to clean air and the noise level. Filters are designed for use in supply ventilation and conditioning systems.
- Compatible with Ø 4" up to 8" round air ducts.
- Suitable for limited mounting space.

MOUNTING

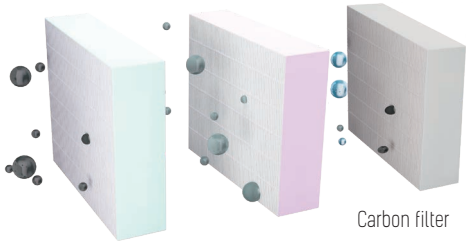
- The compact design offers the ideal mounting solutions for limited mounting space, including suspended ceiling mounting. Wall or ceiling mounting is performed by means of the supplied mounting brackets. Filters can be installed in any position.

AIR FILTRATION

- Built-in filters provide efficient air filtration. Up to three filters can be installed into the casing.
- MERV8 filter provides primary filtration. At the second stage, the secondary filter MERV14 or HEPA filter H13 (HEPA type C) can be installed. MERV14 filter arrests up to 98 % of PM 2.5 dust particles. HEPA Filter H13 (HEPA type C) arrest up to 99 % of PM 2.5 dust particles, pollen and bacteria. For additional removal of unwanted odours and gases, it is possible to install a carbon filter. The casing incorporates a service panel for quick access to the filters.

DESIGN

- Corrosion resistant casing made of polymer coated steel. Easy access for filter replacement.

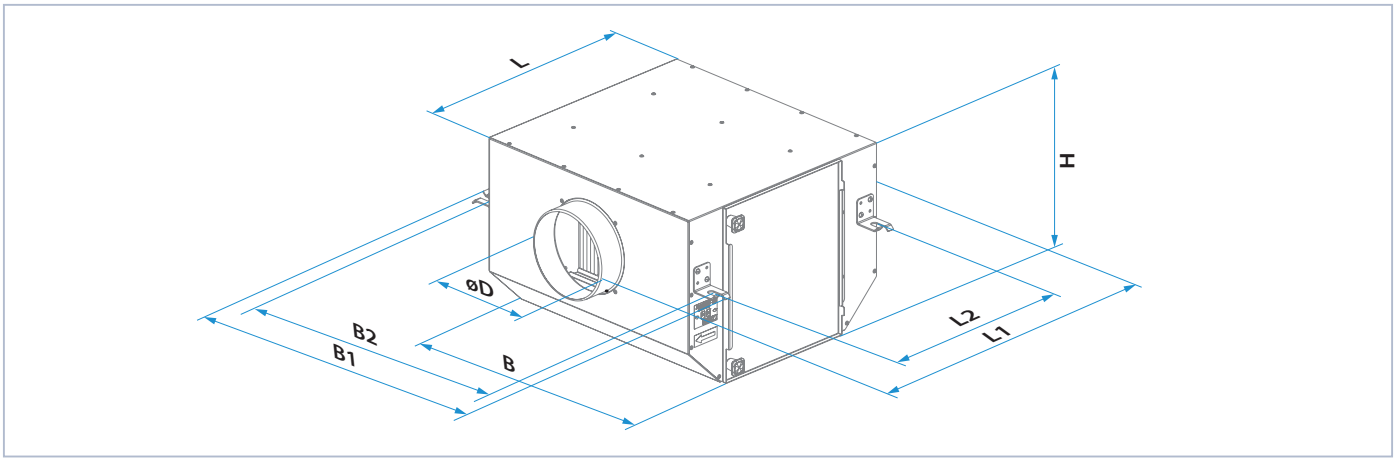


DESIGNATION KEY

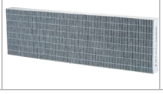
Series	Spigot diameter	Filters
FB K2	100 - 4' 125 - 5' 150 - 6' 200 - 8'	**G4/F8: MERV8 + MERV14** **G4/F8/C: MERV8 + CARBON + MERV 14** **G4/H13: MERV8 + HEPA type C** **G4/H13/C: MERV8 + HEPA type C+ Carbon**

OVERALL DIMENSIONS [IN]

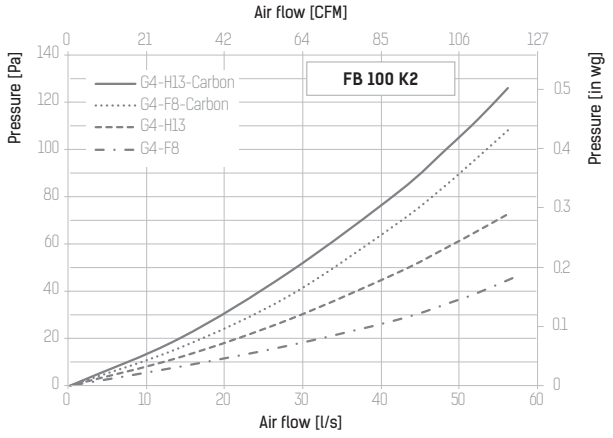
Model	ØD	L	H	B	L1	B1	L2	B2	Weight [lb]
FB 100 K2 (G4/F8)	4		9 3/4	16 1/4		20		18	16,5
FB 100 K2 (G4/F8/C)									18
FB 100 K2 (G4/H13)									16,5
FB 100 K2 (G4/H13/C)									18
FB 125 K2 (G4/F8)	4 7/8		9 3/4	16 1/4		20		18	16,5
FB 125 K2 (G4/F8/C)									18
FB 125 K2 (G4/H13)									16,5
FB 125 K2 (G4/H13/C)									18
FB 150 K2 (G4/F8)	5 7/8	16 1/4	11 3/4	17 3/8	20 1/4	21	14 1/6	19	18,7
FB 150 K2 (G4/F8/C)									19,9
FB 150 K2 (G4/H13)									18,7
FB 150 K2 (G4/H13/C)									19,9
FB 200 K2 (G4/F8)	7 7/8		11 3/4	23 7/8		27 1/2		25 1/2	23,4
FB 200 K2 (G4/F8/C)									26,1
FB 200 K2 (G4/H13)									23,4
FB 200 K2 (G4/H13/C)									26,1

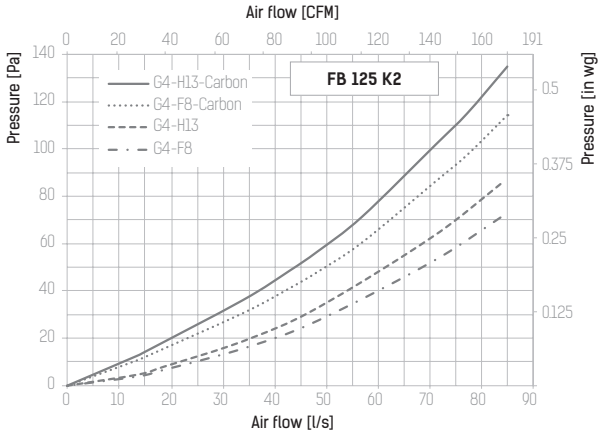


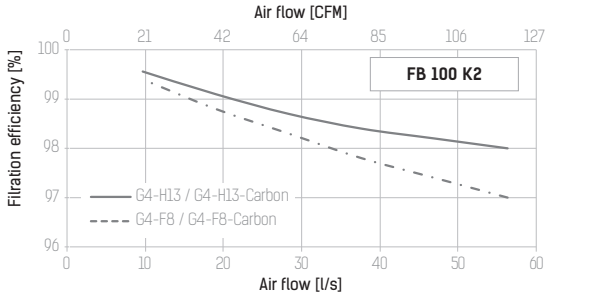
ACCESSORIES

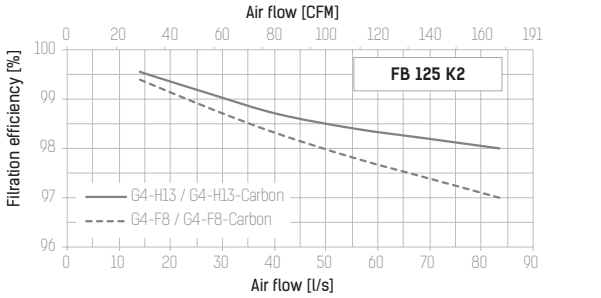
Name	Image	FB 100 K2	FB 125 K2	FB 150 K2	FB 200 K2
Panel filter MERV8		FP 220x400x47 G4	FP 220x400x47 G4	FP 270x425x47 G4	FP 270x590x47 G4
Panel filter MERV14		FP 220x400x47 F8	FP 220x400x47 F8	FP 270x425x47 F8	FP 270x590x47 F8
HEPA type C Panel filter		FP 220x400x47 H13	FP 220x400x47 H13	FP 270x425x47 H13	FP 270x590x47 H13
Carbon panel filter		FP 220x400x47 C	FP 220x400x47 C	FP 270x425x47 C	FP 270x590x47 C

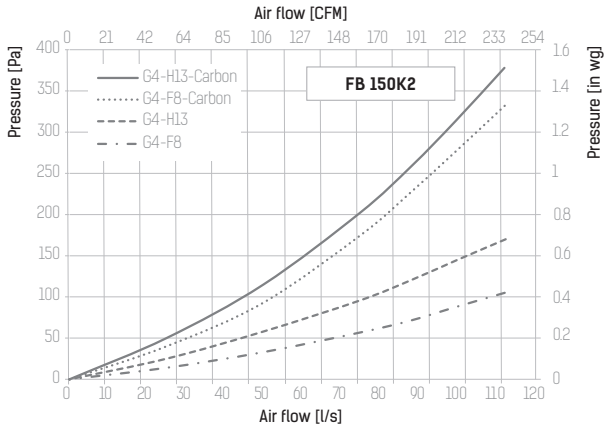
TECHNICAL DATA

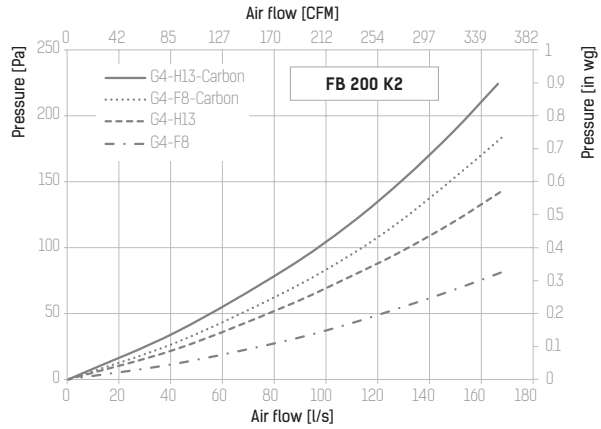


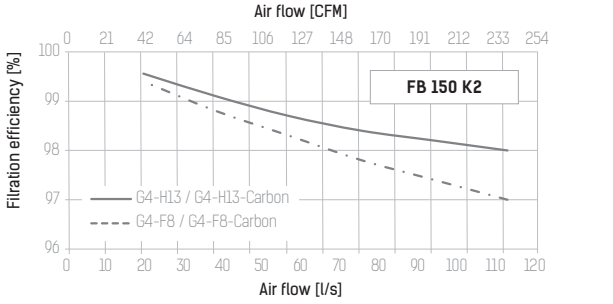


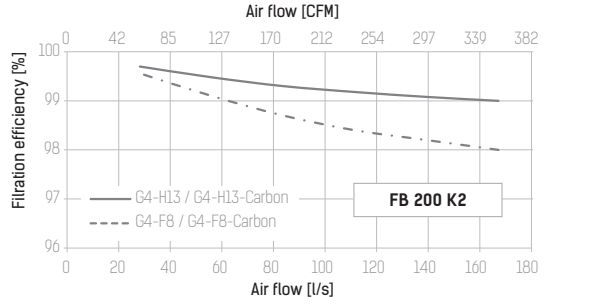












APPLICATION

FB K2

A 150 VRF DISK VALVE

KSV

VENTILATION HOOD
MV 150 VK

FLEXIVENT SEMI-RIGID
DUCT SYSTEM

MV 150 BVS

APPLICATION

FB SERIES FBV SERIES

Panel filters

MOUNTING

- The filter design ensures its mounting on the round ducts by means of clamps with respect to air flow direction indicated with the pointer on the casing. Access for the fan maintenance shall be provided for the filter cleaning or replacement.

DESIGNATION KEY

Series	Flange diameter [in]
FB **FBV** **SF** **SFV**	100 - 4' 125 - 5' 150 - 6' 200 - 8' 250 - 10' 315 - 12'

FEATURES

- Panel type air filters are applied for supply air and sometimes exhaust air purification in round duct ventilating and conditioning systems. Designed for protection of the air ducts, heat exchangers, control equipment and other ventilating equipment against dusting. The filters minimize wall and ceiling pollution near the air diffuser. Coarse filters can be used as first stage purification filters before more efficient filters.

DESIGN

- The casing is made of galvanized steel. The filtering box has connecting flanges with rubber seals for airtight connection to the air ducts. The swing-out access door equipped with lever locks provides easy and quick access to the replaceable filtering element. The filtering element is made of non-woven fabric from synthetic fibers and is fixed on the steel frame.
- **FB filter** with flat filtering element (filtering class MERV 8)
- **FBV filter** with V-filtering element with increased filtering area (filtering class MERV 8).

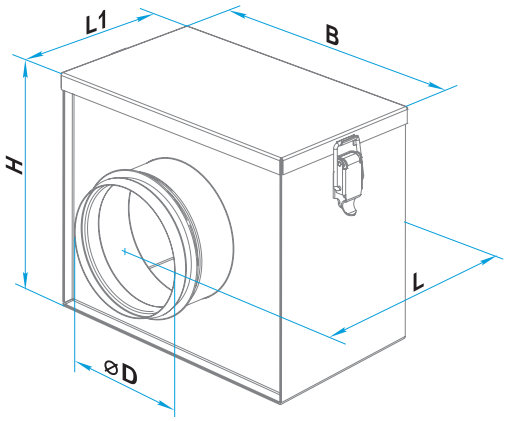
Replaceable filter SF

Replaceable filter SFV

OVERALL DIMENSIONS [IN]

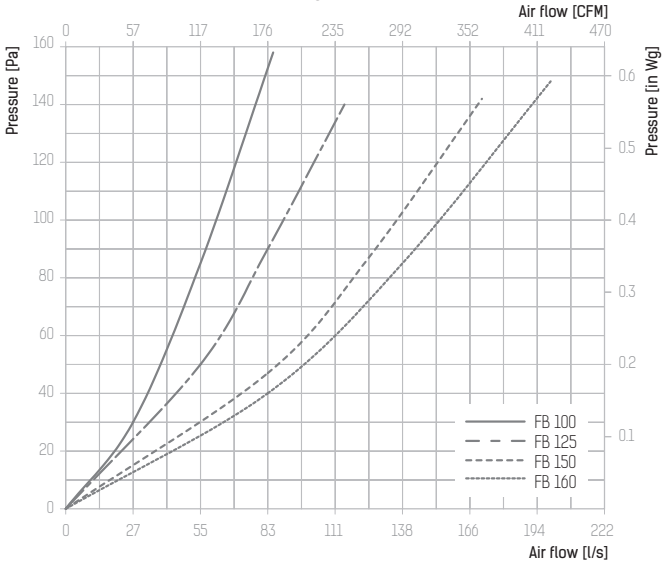
Model	ØD	B	H	L	L1	Weight [lb]
FB 100	3 7/8	8 1/4	6 7/8	8 1/2	4 7/8	3.08
FB 125	4 7/8	8 5/8	8 1/4	9 1/4	5 5/8	3.7
FB 150	5 7/8	10 5/8	9 3/8	9 7/8	6 1/4	4.8
FB 160	6 1/4	10 5/8	9 3/8	9 7/8	6 1/4	4.8
FB 200	7 7/8	12 5/8	11	10 7/8	7 1/4	6.8
FB 250	9 7/8	14 5/8	12 7/8	12 3/4	9 1/8	9.2
FB 315	12 3/8	16 7/8	15 3/8	16 3/4	13 1/8	13.9

Model	ØD	B	H	L	L1	Weight [lb]
FBV 100	3 7/8	9 1/8	6 7/8	8 1/2	4 7/8	3.08
FBV 125	4 7/8	9 5/8	8 1/4	9 1/4	5 5/8	3.7
FBV 150	5 7/8	11 1/2	9 3/8	9 7/8	6 1/4	4.8
FBV 160	6 1/4	11 1/2	9 3/8	9 7/8	6 1/4	4.8
FBV 200	7 7/8	13 1/2	11	10 7/8	7 1/4	6.8
FBV 250	9 7/8	15 1/2	12 7/8	12 3/4	9 1/8	9.2
FBV 315	12 3/8	17 7/8	15 3/8	16 3/4	13 1/8	13.8

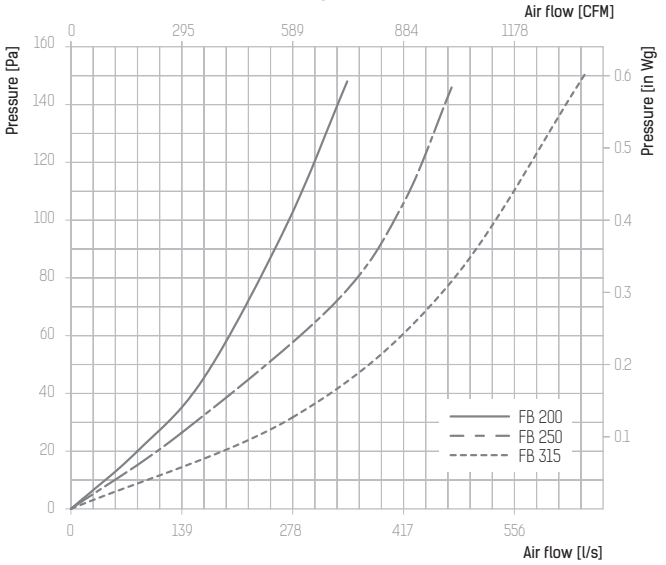


TECHNICAL DATA

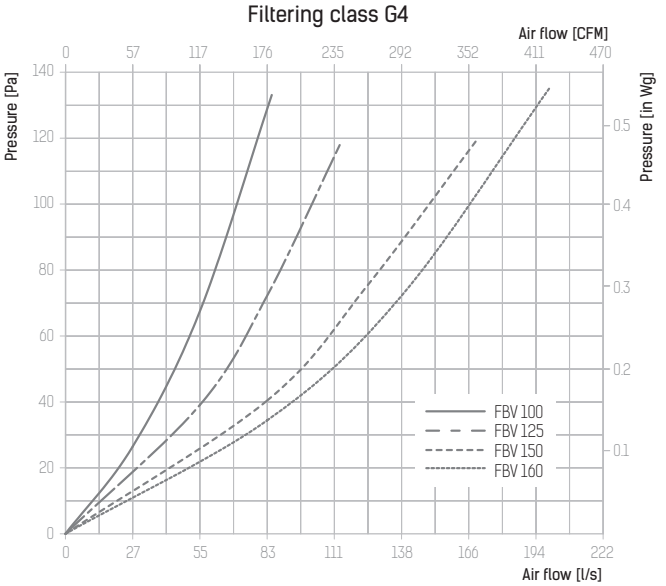
Filtering class G4



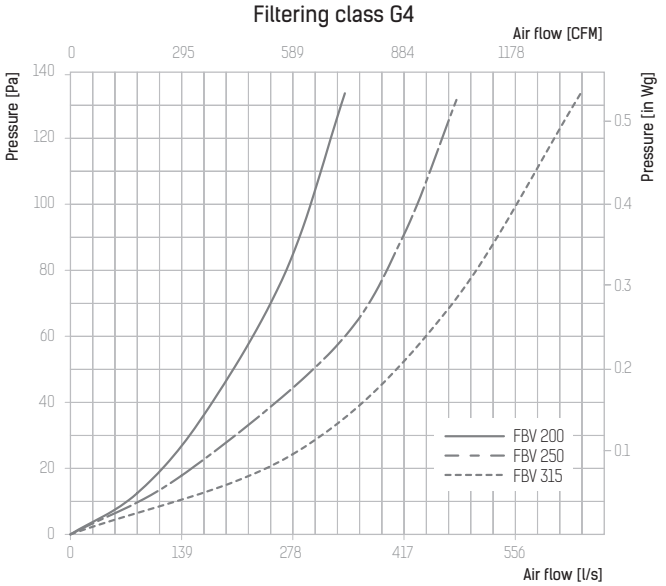
Filtering class G4



Filtering class G4



Filtering class G4



FB SERIES

Panel filters

FEATURES

- Panel type air filters are applied for supply air and sometimes extract air purification in rectangular duct ventilating and conditioning systems. Designed for protection of the air ducts, heat exchangers, control equipment and other ventilating equipment against dusting. The filters minimize wall and ceiling pollution near the air diffuser. Coarse filters can be used as first stage purification filters before more efficient filters.

MOUNTING

- The filters are installed at heater and fan inlet along the air flow direction. The air flow direction shall match the designation on the filter. Access for the fan maintenance shall be provided for the filter cleaning or replacement.

DESIGN

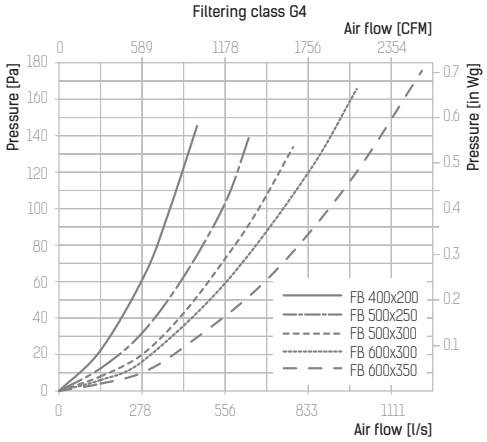
- The casing is made of galvanized steel. V-shaped form ensures filtering surface increase. The filtering element is made of non-woven fabric from synthetic fibers and has protecting metal mesh against deformation caused by air flow. Removable cover equipped with lever locks provides easy and quick access to the replaceable filtering element. The filters are small-sized and are suitable even for limited space.
- Filtering class MERV 8.

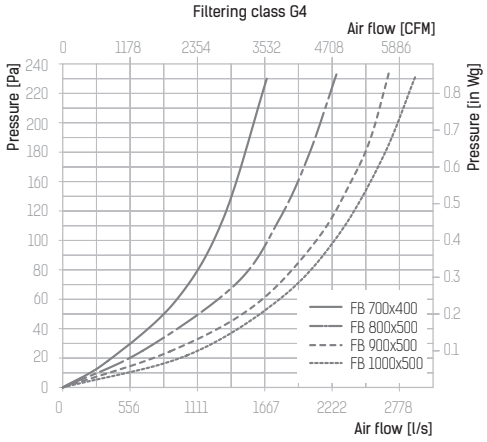
DESIGNATION KEY

Series	Flange dimensions (WxH) [mm]
FB SF	400x200; 500x250; 500x300; 600x300; 600x350; 700x400; 800x500; 900x500; 1000x500

Replaceable filter SF

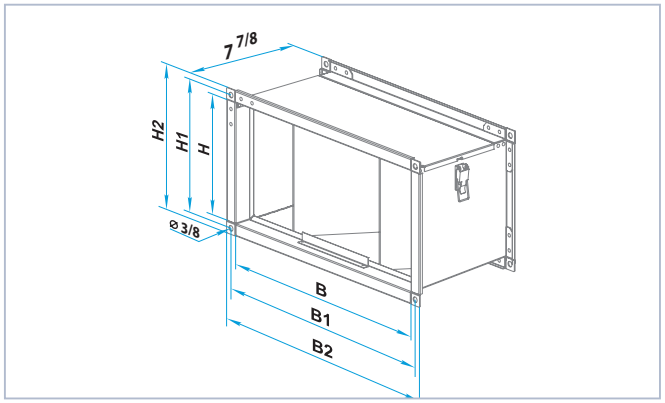
TECHNICAL DATA





OVERALL DIMENSIONS [IN]

Model	B	B1	B2	H	H1	H2	Weight [lb]
FB 400x200	15 3/4	16 1/2	17 3/8	7 7/8	8 5/8	9 1/2	5.3
FB 500x250	19 3/4	20 1/2	21 1/4	9 7/8	10 5/8	11 3/8	9.03
FB 500x300	19 3/4	20 1/2	21 1/4	11 3/4	12 5/8	13 3/8	9.7
FB 600x300	23 5/8	24 3/8	25 1/4	11 3/4	12 5/8	13 3/8	11.4
FB 600x350	23 5/8	24 3/8	25 1/4	13 3/4	14 5/8	15 3/8	12.7
FB 700x400	27 1/2	28 3/2	29 1/8	15 3/4	16 1/2	17 3/8	14.7
FB 800x500	31 1/2	32 1/4	33 1/8	19 3/4	20 1/2	21 1/4	17.4
FB 900x500	35 3/8	36 1/4	37	19 3/4	20 1/2	21 1/4	18.5
FB 1000x500	39 3/8	40 5/32	41	19 3/4	20 1/2	21 1/4	19.6



FBK SERIES

Bag filters

FEATURES

- Bag type air filters are applied for supply air and sometimes extract air purification in round duct ventilating and conditioning systems. Designed for protection of the air ducts, heat exchangers, control equipment and other ventilating equipment against dusting. The filters minimize wall and ceiling pollution near the air diffuser. Coarse filters can be used as first stage purification filters before more efficient filters.

MOUNTING

- The filter design ensures its mounting on the round ducts in any position by means of clamps. The air flow direction shall match the pointer direction on the filter. Both horizontal and vertical mounting is possible. In case of vertical installation the air shall be streamed downwards in such a way as to avoid the bag crumpling. Access fior the filter cleaning or replacement shall be provided.

DESIGN

- The casing is made of galvanized steel. The filtering box has connecting flanges with rubber seals for airtight connection to the air ducts. The swing-out door equipped with lever locks provides easy and quick access to the replaceable filtering element. The filtering element is made of non-woven fabric from synthetic fibers and is fixed on the galvanized steel frame.
- The filters are available in MERV 8, MERV 10, MERV 13 filtering class.

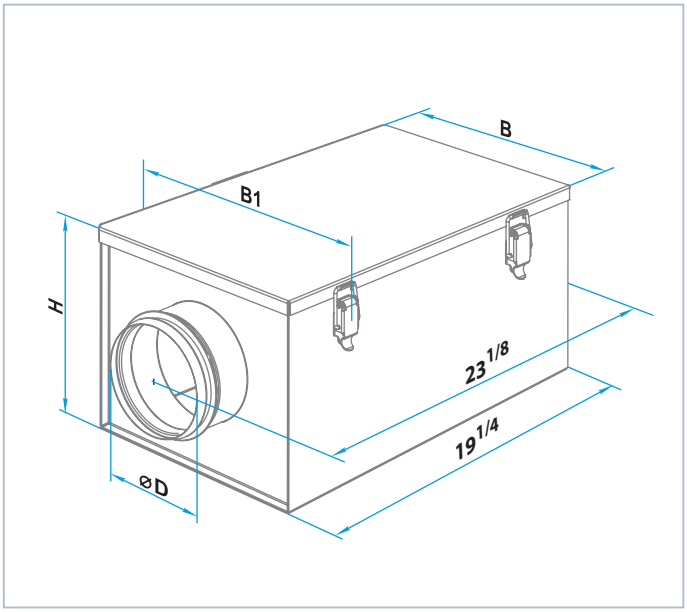
DESIGNATION KEY

Series	Flange dimensions (WxH) [mm]	Filtering class
FBK **SFK**	100 - 4' 125 - 5' 150 - 6' 200 - 8' 250 - 10' 315 - 12'	4 – MERV 8 5 – MERV 10 7 – MERV 13

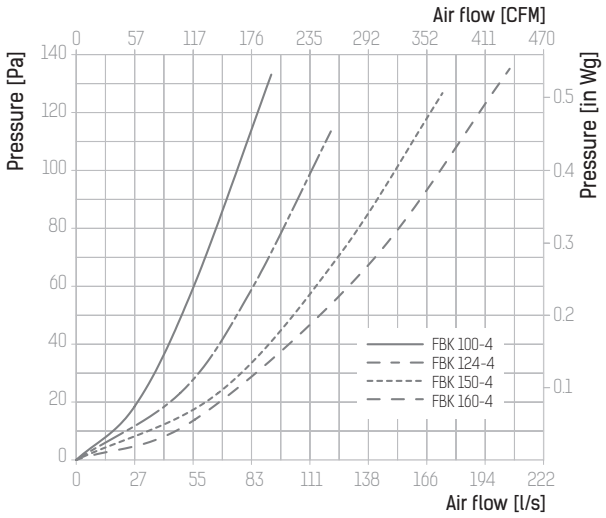
Replaceable filter SFK

OVERALL DIMENSIONS [IN]

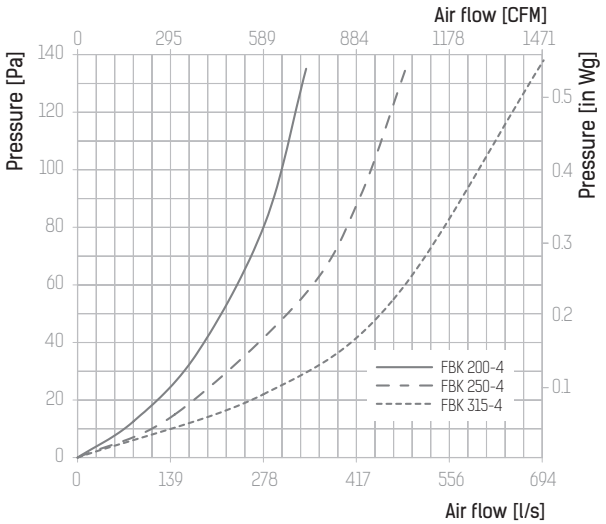
Model	ØD	B	B1	H	Weight [lb]
FBK 100	3 7/8	8 1/4	9	6 3/4	5.3
FBK 125	4 7/8	8 5/8	9 1/2	8 1/8	5.9
FBK 150	5 7/8	10 5/8	11 3/8	9 1/4	7.05
FBK 160	6 1/4	10 5/8	11 3/8	9 1/4	7.18
FBK 200	7 7/8	12 5/8	13 3/8	10 7/8	8.28
FBK 250	9 3/4	14 5/8	15 3/8	15 1/4	9.67
FBK 315	12 3/8	16 7/8	17 3/4	15 3/8	11.39



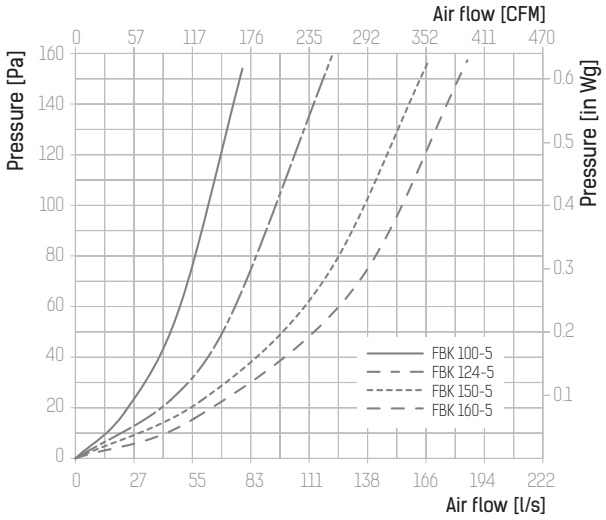
Filtering class G4



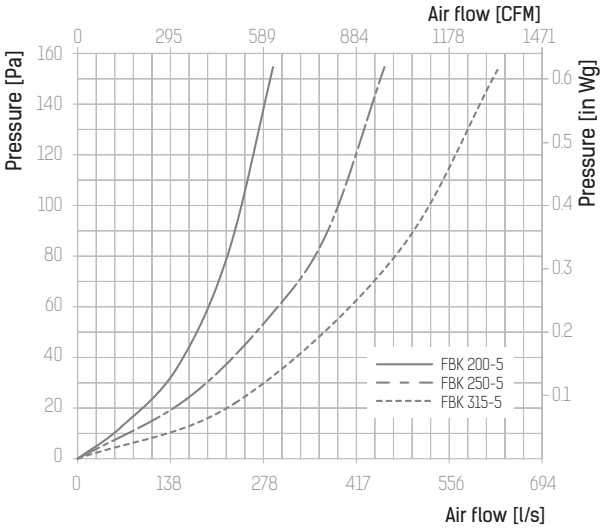
Filtering class G4



Filtering class F5



Filtering class F5



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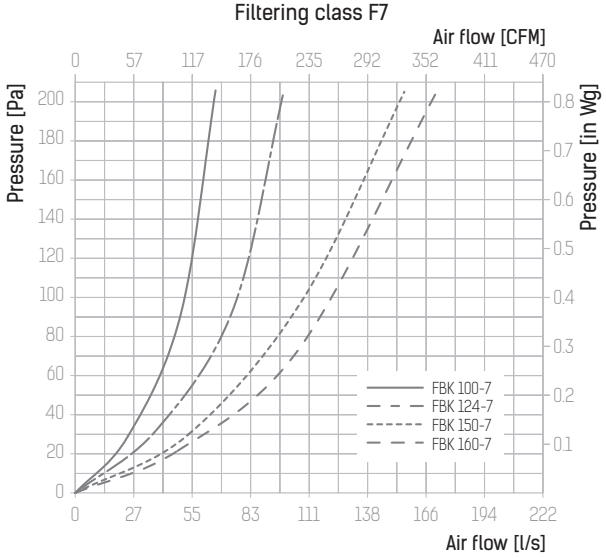
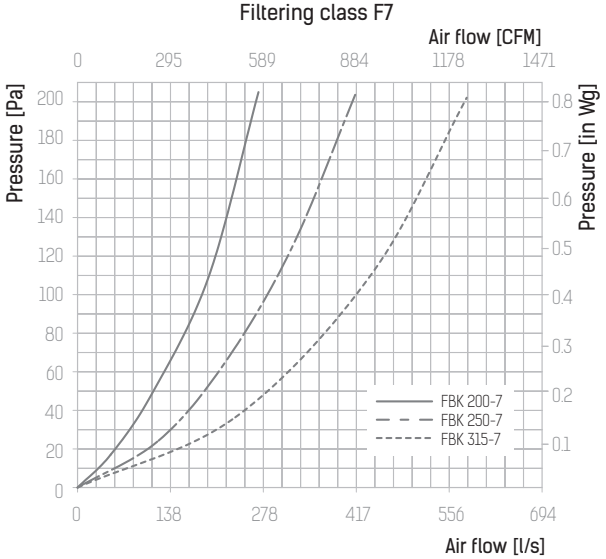


Filtering class F7



FBK SERIES

Bag filters

FEATURES

- Bag type air filters are applied for supply air and sometimes for exhaust air purification in rectangular duct ventilating and conditioning systems. They serve to protect air ducts, heat exchangers, control equipment and other ventilating equipment against dusting. The filters minimize wall and ceiling pollution near the air diffuser. Coarse filters can be used as first stage purification filters before more efficient filters.

MOUNTING

- Mounting is performed by means of flange connection. The air flow direction shall match the pointer direction on the filter. Both horizontal and vertical installation is possible. In case of vertical installation the air shall be streamed downwards in such a way as to avoid the bag crumpling. Access for the fan maintenance shall be provided for the filter cleaning or replacement.

DESIGN

- The casing is made of galvanized steel. The swingout cover equipped with lever locks provides easy and quick access to the replaceable filtering element. The pocket-type filtering element is made of non-woven synthetic fibrous fabric and is fixed on the steel frame.
- The filters are available in MERV 8, MERV 10, MERV 13 filtering classes.

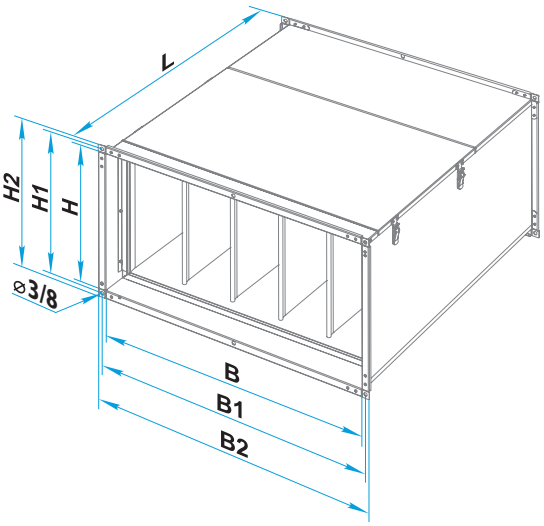
DESIGNATION KEY

Series	Flange dimensions (WxH) [mm]	Filtering class
FBK SF	400x200; 500x250; 500x300; 600x300; 600x350; 700x400; 800x500; 900x500; 1000x500	4 – MERV 8 5 – MERV 10 7 – MERV 13

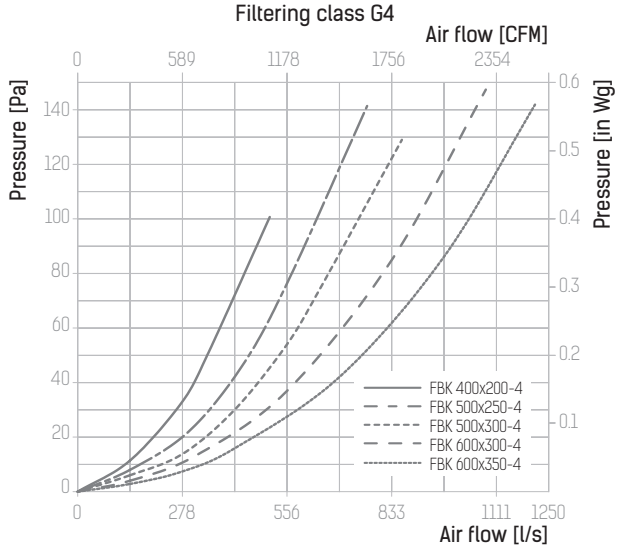
Replaceable filter SFK

OVERALL DIMENSIONS [IN]

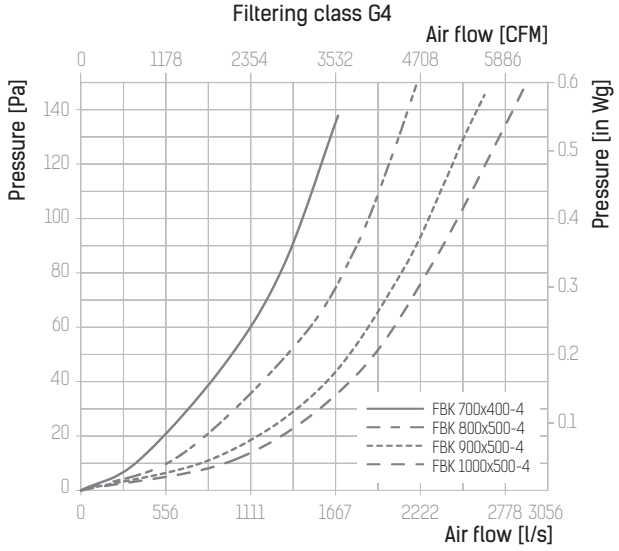
Model	B	B1	B2	H	H1	H2	L	Weight [lb]
FBK 400x200	15 3/4	16 1/2	17 3/8	7 7/8	8 5/8	9 1/2	19 3/4	13.6
FBK 500x250	19 3/4	20 1/2	21 1/4	9 7/8	10 5/8	11 3/8	23 5/8	17.19
FBK 500x300	19 3/4	20 1/2	21 1/4	11 3/4	12 5/8	13 3/8	23 5/8	18.29
FBK 600x300	23 5/8	24 3/8	25 1/4	11 3/4	12 5/8	13 3/8	23 5/8	19.62
FBK 600x350	23 5/8	24 3/8	25 1/4	13 3/4	14 5/8	15 3/8	23 5/8	20.94
FBK 700x400	27 1/2	28 3/8	29 1/8	15 3/4	16 1/2	17 3/8	28 3/8	35.71
FBK 800x500	31 1/2	32 1/4	33 1/8	19 3/4	20 1/2	21 1/4	31 1/2	44.97
FBK 900x500	35 3/8	36 1/4	37	19 3/4	20 1/2	21 1/4	31 1/2	47.84
FBK 1000x500	39 3/8	40 1/8	41	19 3/4	22 1/2	21 1/4	31 1/2	51.8



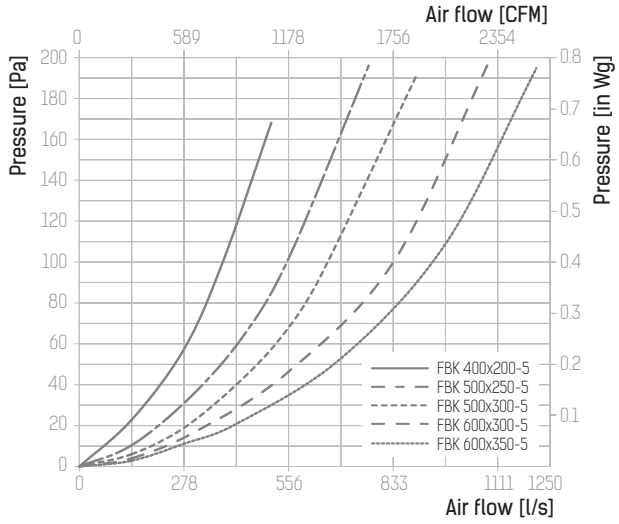
Filtering class G4



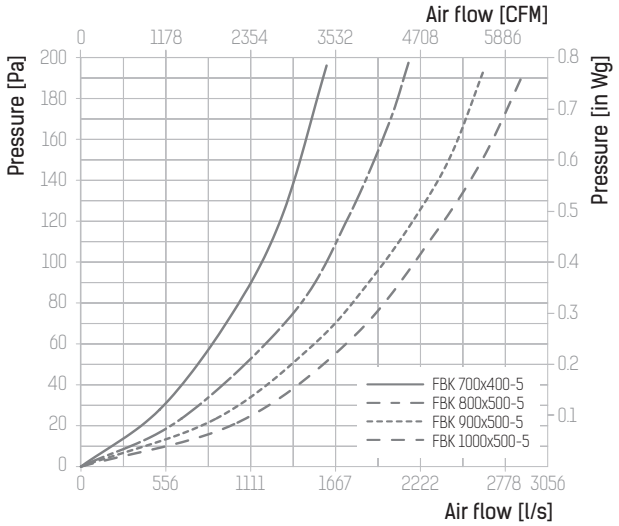
Filtering class G4



Filtering class F5



Filtering class F5



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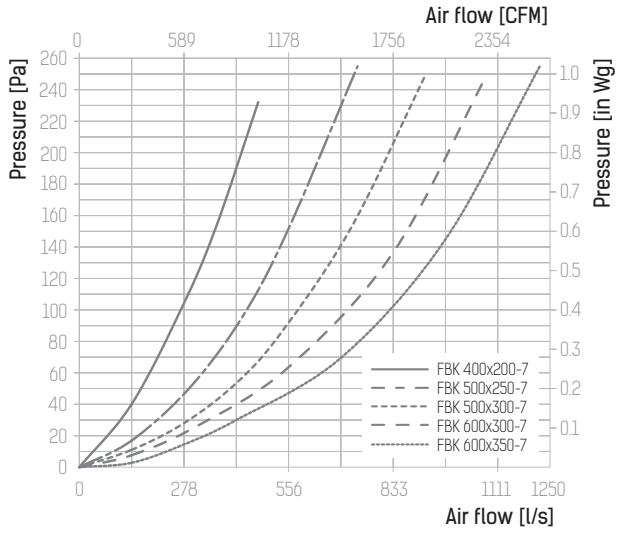

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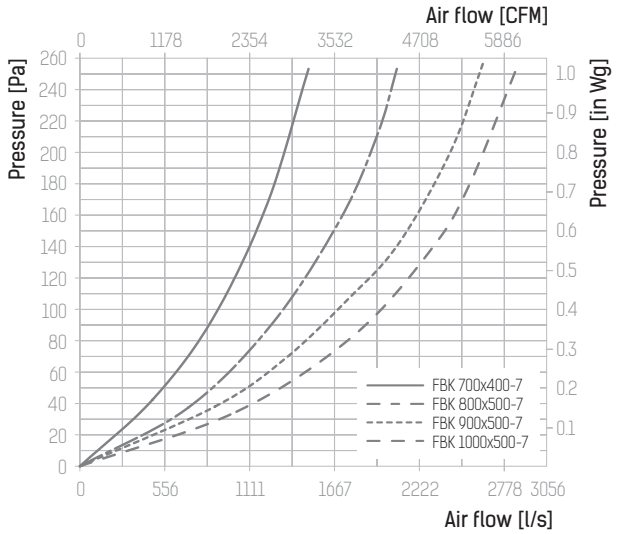

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2020-06