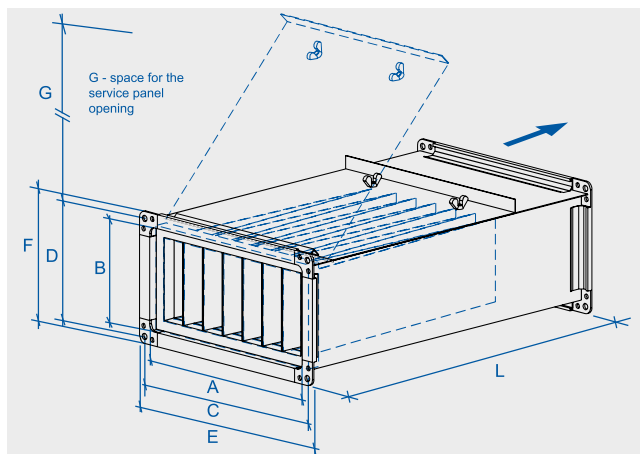
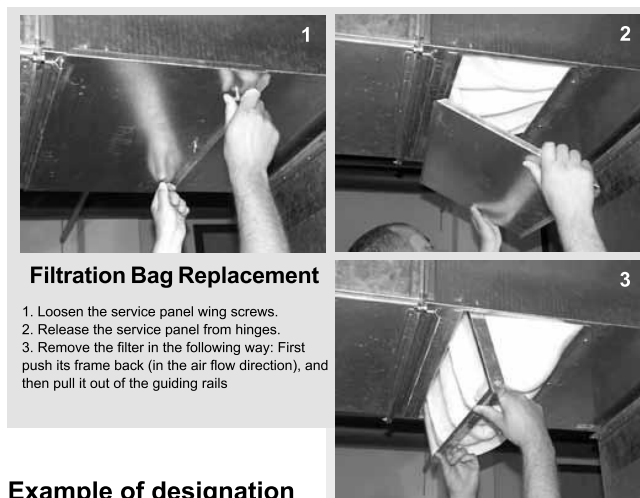
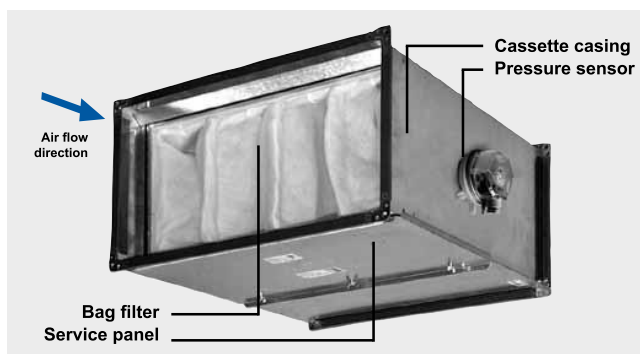


KFD Bag Filter Cassette

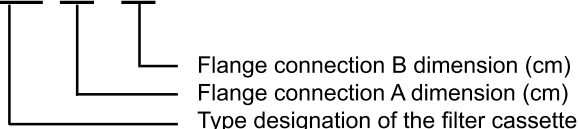


	A (mm)	B (mm)	C (mm)	D (mm)	G (mm)	L (mm)	m ±10% (kg)
KFD 30-15	300	150	320	170	310	550	6,5
KFD 40-20	400	200	420	220	410	550	8
KFD 50-25	500	250	520	270	410	650	11
KFD 50-30	500	300	520	320	410	650	12
KFD 60-30	600	300	620	320	410	650	13
KFD 60-35	600	350	620	370	410	650	14
KFD 70-40	700	400	720	420	410	720	18
KFD 80-50	800	500	820	520	410	800	21
KFD 90-50	900	500	930	530	405	800	24
KFD 100-50	1000	500	1030	530	410	800	27



Example of designation

KFD 60 - 35



Application

After inserting the required filter insert, the bag filter cassette is intended for trapping solid and fibre particles from the transported (outdoor or circulating) air. The bag filter protects the environment of the ventilated rooms and air-handling components (fans, heaters, coolers, and heat exchangers).

Operating Conditions and Position

The KFD bag filter cassette should be installed in the air-handling duct at the beginning of the assembly (always in front of the exchangers, heat exchanger, and fan). The horizontal or vertical (the air flow direction downward) positions are recommended. The filters are designed for indoor use. When installed outside, they must be protected against water by a cover. Transported air must be free of corrosive substances or chemicals aggressive to zinc and rubber. Acceptable temperature of transported air can range from -30 °C to +70 °C.

Dimensional and Type Range

The back filter cassettes are manufactured in all ten dimensional ranges, from 30-15 to 100-50.

Materials

The external casing and connecting flanges are made of galvanized steel sheets. The connecting bar flanges are 20 mm (KFD 30-15 to KFD 80-50) or 30 mm (KFD 90-50 and 100-50) high. Perfect tightness of the filter insert and service panel is ensured by rubber sealing.

Installation, Maintenance and Service

The KFD bag filter cassettes must be installed in the air-handling duct so that the air-flow direction through the filter will follow the arrow on the casing. Before installation, paste self-adhesive sealing onto the connecting flange face. To connect the filter flanges, use galvanized M8 screws and nuts (M10 only for KFD 100-50). It is necessary to ensure conductive connection of the flange using fan-washers placed on both sides at least on one flange connection. To brace the flanges with a side longer than 40 cm, it is advisable to connect them in the middle with another screw clamp which prevents flange bar gapping. The removable inspection panel must be easily accessible. If installed into a ceiling, space for the service panel opening and filter replacement must be taken into account. This service space is specified by the G dimension, see the table.

Accessories

A bag filter of the corresponding size and required filtration class is an essential accessory of the KFD filter cassette, while the P33N differential pressure sensor is a recommended accessory

- KF3 – G3 class bag filter
- KF5 – F5 class bag filter
- KF7 – F7 class bag filter
- P33N – differential pressure sensor

Service

The filters require regular inspection for fouling and replacement, if necessary. Inspection and filter replacement can be performed after loosening the wing screws and removing the service panel from the cassette casing. The filter can be removed in the following way: First push its frame back (in the air flow direction), and then pull it out of the guiding rails. Install the new filter following the reverse way.