

# FFP663 & 633 self-supported 350mm deep bed air filters

## Description:

Filterfit's FFP deep bed air filter provides economical medium efficiency filtration. FFP deep bed filters are easily constructed in banks of multiple filters to suit any given air capacity.

## Construction:

FFP deep bed filters consist of a replaceable filter bag, galvanised steel permanent mounting frame and a removable galvanised inner wire media support basket. Permanent mounting frames are nominally 50 mm in depth. Filter bags are firmly held in place by the removable inner wire basket, which clips into the mounting frame and provides a positive seal between the filter media and the mounting frame.

Standard FFP deep bed filters are constructed assuming service access is on the dirty air side of the filter. Reverse access filters are also available on request should filters need to be accessed from the clean-air side due to space restrictions. Filter mounting frames and inner wire support frames can be supplied with a powder-coated finish or can be manufactured from stainless steel if required.

## Filter Media Types:

FFP deep bed filters can be supplied with a range of filter media to suit each application. Filter media available include activated carbon impregnated media type BR23, which is effective at removing certain odours or fumes.

## Applications:

Due to the comparatively low cost and extended service life of the FFP deep bed filter, the filter is suited to a wide range of applications including general air conditioning and ventilation systems, process air systems, industrial applications and as pre filtration to odour removal filters and high efficiency filters.



FFP663



FFP633

Where space is sufficient to install deeper filters, models FT2 and FT3 600mm deep filters should be considered as the superior dust holding capacity will reduce service frequency.

## Dimensions:

Filters are available in standard sizes;  
663: 610 x 610 x 350 mm  
633: 610 x 305 x 350 mm  
Custom sizes are available on request.

## Installation:

Filterfit's deep bed filters are easily installed by fixing permanent mounting frames to filter plenums and can be made up into banks by riveting or bolting mounting frames together. It is recommended that an approved sealant be applied between mounting frames and plenum walls to prevent air by-pass.

Where bank sizes exceed 2.0 metres stiffeners should be installed to prevent distortion of filter frames. Standard filters are installed where service access is on the dirty air side of the filter. Reverse access frames are available and are ideally suited for applications where the filters are used as a prefilter, so that only one access door is required to service both filter arrangements.

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## Maintenance and service:

To achieve optimum filter life, it is recommended that a manometer be installed across the filter bank. When replacing filters, it is recommended that the fan is switched off so as no dust, which may dislodge from the dirty filter, is drawn through the system.

Care should be taken to ensure new filter bags are of the same efficiency and performance as the original filter. Replacing with filters of lesser performance may be in breach of local building codes.

When airflow is restricted due to build-up of dust, removal and replacement of the

dirty filter bag is easily carried out. The inner wire is removed by pushing the handles towards each other and withdrawing the inner from the clips. The contaminated filter bag is then easily removed and should be placed immediately in a sealed bag to prevent and contaminate from spilling out.

Insert the inner wire into the front of the replacement bag. Insert both the filter bag and inner frame into the mounting frame ensuring a seal is formed between the media and the mounting frame and that the handles are firmly fastened into the mounting frame.

## Performance data:

### Performance data: replacement media

Repl bag part no.	Size (mm)	Filter class	Media type	Face velocity m/sec	Air capacity L/sec	Initial res. Pa	Min eff.	Avg. eff.	Avg arrestance %
1-0002	610 x 610 x 350	G4	BR9 (disp)	2.5	944	40	22	24	95.3
1-0003	610 x 610 x 350	F5	BR10 (disp)	2.5	944	40	21	-	90
1-0004	610 x 610 x 350	F5	BR12 (disp)	2.5	944	44	28	50	91.5
1-0007	610 x 610 x 350	G3	BR16 (wash)	2.5	944	31	-	-	85.5
1-0102	610 x 305 x 350	G4	BR9 (disp)	2.5	472	40	22	24	95.3
1-0103	610 x 305 x 350	F5	BR10 (disp)	2.5	472	40	21	-	90
1-0104	610 x 305 x 350	F5	BR12 (disp)	2.5	472	44	28	50	91.5
1-0107	610 x 305 x 350	G3	BR16 (wash)	2.5	472	31	-	-	85.5

Efficiency relates to AS1324 No. 1 Test

Arrestance relates to AS1324 No. 4 Test

## FFP filter cages only:

Cage part no.	Description	Size (mm)
3-0055	FFP663 std. flow outer frame	610 x 610 x 50
3-0075	FFP663 std. flow inner frame	595 x 595 x 350
3-0065	FFP663 rev. flow outer frame	610 x 610 x 350
3-0085	FFP663 rev. flow inner frame	595 x 595 x 8
3-0060	FFP633 2 std. flow outer frame	610 x 305 x 50
3-0080	FFP633 2 std. flow inner frame	595 x 297 x 350
3-0070	FFP633 2 rev. flow outer frame	610 x 305 x 350
3-0090	FFP633 2 rev. flow inner frame	595 x 297 x 8