

# FT2 350mm deep self-supported air filter

## Description:

Filterfit's FT2 deep bed air filter, is a 2 pocket self supportive bag filter which provides economical medium efficiency filtration. FT2 deep bed filters are easily constructed in banks of multiple filters to suit any given air capacity.

## Construction:

FT2 deep bed filters consist of a self-supportive, replaceable filter bag, galvanised steel permanent mounting frame and a removable galvanised inner wire. Permanent mounting frames are nominally 50 mm in depth. Filter bags are firmly held in place by the removable inner wire, which clips into the mounting frame and provides a positive seal between the filter media and the mounting frame.

Standard FT2 deep Bed filters are constructed whereas service access is on the dirty air side of the filter. Reverse access filters are also available on request. 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:

FT2 deep bed filters can be supplied with a range of filter media to suit each application. Filter media available include medium efficiency washable type BR16 and 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 FT2 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.

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;  
FT2663 610 x 610 x 350 mm

FT2633 610 x 305 x 350 mm  
Custom sizes are available on request.

## Installation:

Filterfit 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 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 pre filter, 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 of the existing original filter, as 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 toward 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 any 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:

Part no. (bag only)	Dimensions (mm) W x H x D	Filter Class	Media Type	Face velocity m/sec	Air capacity l/sec	Initial resistance Pa	Min. eff.	Avg. eff.	Avg arrestance %
1-7003	610 x 610 x 350	F5	BR10 disp.	2.5	944	40	21	40	90
1-7103	610 x 305 x 350	F5	BR10 disp.	2.5	471	40	21	40	90
1-7007	610 x 610 x 350	G3	BR16 wash.	2.5	944	31	*	*	85.5
1-7107	610 x 305 x 350	G3	BR16 wash.	2.5	471	31	*	*	85.5
1-6003	610 x 610 x 600	F5	BR10 disp.	2.5	944	*	*	*	*
1-6103	610 x 305 x 600	F5	BR10 disp.	2.5	471	*	*	*	*
1-6007	610 x 610 x 600	G3	BR16 wash.	2.5	944	*	*	*	*
1-6107	610 x 305 x 600	G3	BR16 wash.	2.5	471	*	*	*	*

## Specifications:

Part no. bag & cage complete assy.	Description	Size mm W x H x D
2-2007	Full cage assembly complete with BR16 media bag	610 x 610 x 350
2-2107	Half cage assembly complete with BR16 media bag	610 x 305 x 350
2-2003	Full cage assembly complete with BR10 media bag	610 x 610 x 350
2-2103	Half cage assembly complete with BR10 media bag	610 x 305 x 350
2-0007	Full cage assembly complete with BR16 media bag	610 x 610 x 600
2-1007	Half cage assembly complete with BR16 media bag	610 x 305 x 600
2-0003	Full cage assembly complete with BR10 media bag	610 x 610 x 600
2-1003	Half cage assembly complete with BR10 media bag	610 x 305 x 600

Other media grades available on request.

Filter cages available separately on request.



Due to on-going product development, Filterfit reserves the right to change design and specifications without notice