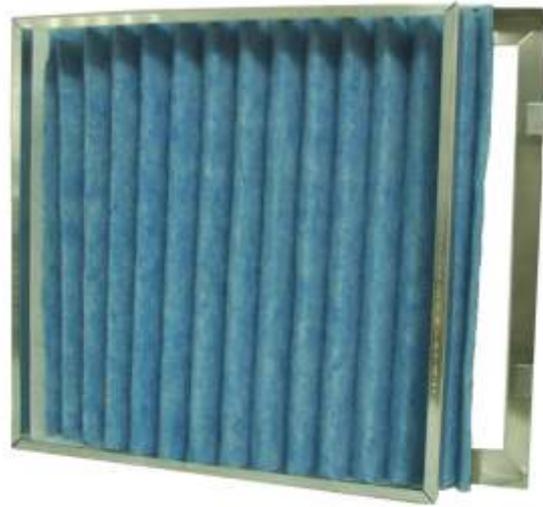


# Replaceable disposable insert (D2P) panel filters



## **Description:**

Filterfit model D2P filters incorporate a disposable, pleated media insert fitted into a two-piece frame, which is easily dismantled for removal and replacement of the insert. This means that the disposable filter insert can be easily replaced on site, without the need of tools and that the replacement cost of the filters is reduced to a minimum, as the replacement inserts are less expensive than a complete disposable filter.

D2P panel filters can be installed in a slide arrangement (model D2PS), or can also be permanently mounted into a plenum without the need of separate mounting frames (model D2PM).

## **Construction:**

The filters frames are manufactured from light gauge aluminum. The filter media is manufactured from a blend of synthetic fibers, which do not support combustion and is bonded to a 25mm x 25mm wire mesh grid on the air leaving side of the filter to provide media support. The filter media insert is pleated in a V form

configuration to provide lower resistance and higher dust holding capacity to that of a flat panel filter, ensuring extended service life.

Model D2PS incorporate angle fasteners to hold the frames together and are used in applications where filters are slide mounted. Model D2PM incorporate turn clip fasteners to hold the frames together and are used in applications where the filter frame is permanently mounted into a filter plenum. (There is no requirement for separate filter mounting frames.)

## **Filter media types:**

Filterfit's D2P disposable panel filters are available standard with G4 rated disposable media type BR4. Higher efficiency F5 media type BR5 is also available on request.

## **Dimensions:**

Filters are available in a standard depth of 45. *90 mm available on request.* Filters can be manufactured at any dimension up to 700 x 1200 mm.

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## Maintenance:

Filters are disposable and should not be washed or re-used.

When replacing filters it is recommended that the fan be 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 replacement filters 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.

To replace the disposable filter insert, firstly remove inner frame by releasing spring clips ( model D2PM) or by sliding inner frame towards one end to remove from holding lugs (model D2PS).

Remove dirty filter insert and fit new filter insert by placing upturned end of media under edge of inner frame (ensuring wire mesh is on the clean air side of the filter). Insert inner frame and media into outer frame and fasten with spring clips or by sliding inner frame under locking lugs.

## Performance data:

Panel part no.	Repl. insert part no.	Filter class	Media type	Face velocity m/sec	Initial res. Pa	Avg arrestance %
7-7001	7-7201	G4	BR4 (disposable)	1.8	25	85.2
7-7002	7-7202	G4	BR9 (disposable)	1.8	42	74
7-7004	7-7204	G4	BR10 (disposable)	1.8	50	90
7-7005	7-7205	G4	BR12 (disposable)	1.8	50	*
7-7007	7-7207	G3	BR16 (washable)	1.8	50	85

Arrestance relates to AS1324 No. 4 Test