



- 55% Dust spot efficiency
- Synthetic product fitted with aerodynamic spacers
- Low replacement cost
- Robust construction
- Available in standard and bespoke sizes
- Made in Britain

**Standard Sizes and Capacities**

**Applications**

The F6 Synthetic Bag filter is a fine grade synthetic bag filter ideal for use in ventilation systems when a medium standard of cleanliness & protection is required or the product is used as a pre-filter to a more elaborate filtration array. It may be used as part of a multi-stage filtration system and is particularly suitable where fibre shedding is unacceptable.

**Construction**

The pockets are produced from synthetic micro-fibres specifically designed for use in air filtration and provided with a scrim support backing bonded to the exit side of the media. The pockets are provided with inflation spacers to prevent over inflation when in use. Each pocket is fitted with a U profile capping strip to ensure no leakage between pockets. The sets of pockets are retained in a rigid galvanised steel channel, which features a specially roll formed safety edge.

| Header HxW (mm) | No. Pockets | Pocket length | Capacity (m <sup>3</sup> /hr) | Initial Resistance (Pa) |
|-----------------|-------------|---------------|-------------------------------|-------------------------|
| 592x592         | 6           | 305           | 1,275                         | 57                      |
| 592x592         | 7           | 305           | 1,488                         | 57                      |
| 592x592         | 8           | 305           | 1,700                         | 57                      |
| 592x592         | 6           | 381           | 1,913                         | 57                      |
| 592x592         | 7           | 381           | 2,231                         | 57                      |
| 592x592         | 8           | 381           | 2,550                         | 57                      |
| 592x592         | 6           | 508           | 2,125                         | 57                      |
| 592x592         | 7           | 508           | 2,479                         | 57                      |
| 592x592         | 8           | 508           | 2,833                         | 57                      |
| 592x592         | 6           | 610           | 2,550                         | 57                      |
| 592x592         | 7           | 610           | 2,975                         | 57                      |
| 592x592         | 8           | 610           | 3,400                         | 57                      |
| 592x592         | 6           | 762           | 3,188                         | 57                      |
| 592x592         | 7           | 762           | 3,719                         | 57                      |
| 592x592         | 8           | 762           | 4,250                         | 57                      |
| 592x490         | 5           | 305           | 1,063                         | 57                      |
| 592x490         | 6           | 305           | 1,275                         | 57                      |
| 592x490         | 5           | 381           | 1,594                         | 57                      |
| 592x490         | 6           | 381           | 1,913                         | 57                      |
| 592x490         | 5           | 508           | 1,771                         | 57                      |
| 592x490         | 6           | 508           | 2,125                         | 57                      |
| 592x490         | 5           | 610           | 2,125                         | 57                      |
| 592x490         | 6           | 610           | 2,550                         | 57                      |
| 592x490         | 5           | 762           | 2,657                         | 57                      |
| 592x490         | 6           | 762           | 3,188                         | 57                      |
| 592x292         | 3           | 305           | 638                           | 57                      |
| 592x292         | 4           | 305           | 850                           | 57                      |
| 592x292         | 3           | 381           | 956                           | 57                      |
| 592x292         | 4           | 381           | 1,275                         | 57                      |
| 592x292         | 3           | 508           | 1,063                         | 57                      |
| 592x292         | 4           | 508           | 1,417                         | 57                      |
| 592x292         | 3           | 610           | 1,275                         | 57                      |
| 592x292         | 4           | 610           | 1,700                         | 57                      |
| 592x292         | 3           | 762           | 1,594                         | 57                      |
| 592x292         | 4           | 762           | 2,125                         | 57                      |

| Filter Reference                 | Rated Velocity m/s         | ASHRAE Efficiency             | Max Temp °C | Max Humidity | Initial Resistance at RV (pa) | Rated Final Resistance (pa) |
|----------------------------------|----------------------------|-------------------------------|-------------|--------------|-------------------------------|-----------------------------|
| Reliance S55                     | Dependent on pocket length | 55%                           | 60          | 100%RH       | 60                            | 230                         |
| Standard Header Dimensions (HxW) | Standard Pocket No.s       | Standard Pocket lengths       |             |              | Standard Header Depths        |                             |
| 592x592mm                        | 6,7 or 8                   | 305mm 381mm 508mm 610mm 762mm |             |              | 20, 25 or 30mm                |                             |
| 592x492mm                        | 5 or 6                     |                               |             |              |                               |                             |
| 592x287mm                        | 3 or 4                     |                               |             |              |                               |                             |