

## INTRODUCTION

The Univee 3 range of multipocket bag filters combine a high dust holding capacity with long service life, to provide an economic solution to high efficiency air filtration in commercial applications. Fully performance tested for efficiency in VOKES laboratories to BS 6540 Pt. 1 (EUROVENT 4/5, ASHRAE 52-76) and confirmed by the results of independent test authorities, they are graded EU8–EU5 within their respective Rated Air Flow Range. Univee 3 bag filters are designed for use in air handling units and air conditioning systems, which have separate pre-filters or where multi-layer type bags are not suitable.

## CONSTRUCTION

Each bag is manufactured from a layer of media to the specified filtration performance and a backing material. The first provides fine filtration, while the second prevents fibre migration.

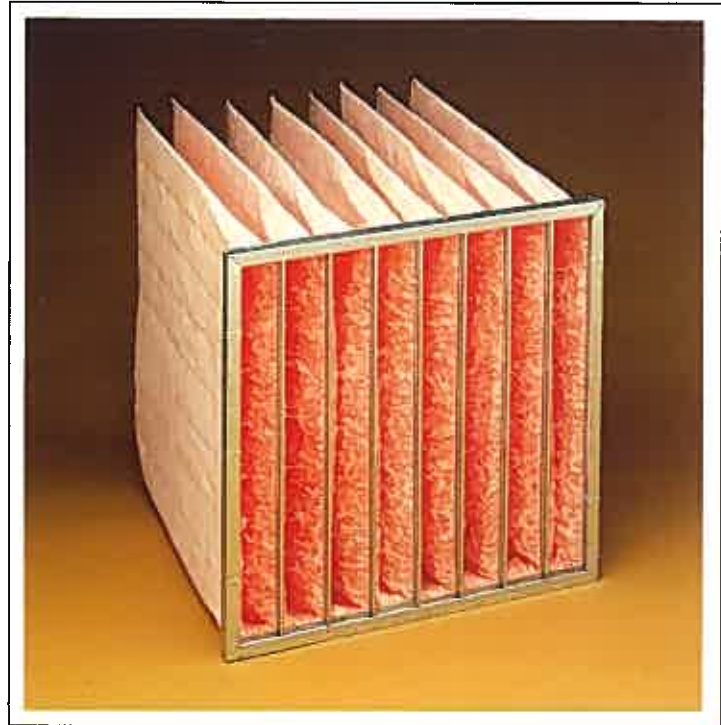
The Univee 3 pocket is designed for the efficient flow of air through the pocket, providing minimal resistance, while optimising the dust holding capacity. This is achieved by using a specially designed stitching pattern which controls the inflation of the pocket, maximising the media area exposed to the air flow and ensuring an even dust loading. To avoid the risk of leakage, the stitching pattern across the pocket is sealed with an adhesive and particular care is given to the over edge stitching.

Each pocket is attached to a supporting frame which is held to adjacent pockets with locking strips. Assembled into a 'U' form galvanised steel header, the assembled pockets provide a rigid and robust filter.

**Fire Resistant Bags**—Univee 320 filters have been tested and approved by London Scientific Services for compliance with the flammability requirements of BS 5588 Part 9: 1989 (supersedes CP 413 Appendix A) Code of Practice for Ventilation and Air Conditioning Ductwork. These filters are inherently non-flammable and if ignited will generate minimal smoke and toxic gases.

## RANGE

Univee 3 bags are available in four grades 90/95%, 80/85%, 60/65% and 40/45% which can be operated at Grades EU8, 7, 6 and 5 respectively. Each grade is available in three sizes to fit 610 x 610, 610 x 508 and 610 x 305 mm frames with either 25 or 20 mm headers. For new installations where filter frames are required, Univee 3 bags with 25 mm headers are recommended, to suit the VOKES range of filter frames. Depending on the specified air flow and the space available, bags can be provided with different combinations of pocket length and number of pockets.



## FILTER FRAMES

VOKES has a comprehensive range of front and side withdrawal frames for Univee 3 bag filters, with 25 mm deep headers. Modular in design, bag filter installations of various sizes and configurations can be assembled, based on standard filter sizes.

## KEY FEATURES

- Univee 3, a range of multipocket bag filters for high efficiency applications
- Available in 4 grades—90-95%, 80-85%, 60-65% and 40-45%
- Efficiency is laboratory tested to BS 6540 Pt.1 (EUROVENT 4/5, ASHRAE 52-76)
- Graded EU8–EU5 within their respective Rated Air Flow Range
- Univee 320 Fire Bags tested by LSS for compliance with BS 5588 Pt.9
- A wide range of different frame sizes, bag lengths and number of pockets
- Comprehensive range of front and side withdrawal frames available
- VOKES is quality assessed to BS 5750 Pt.1 and AQAP-1 registered