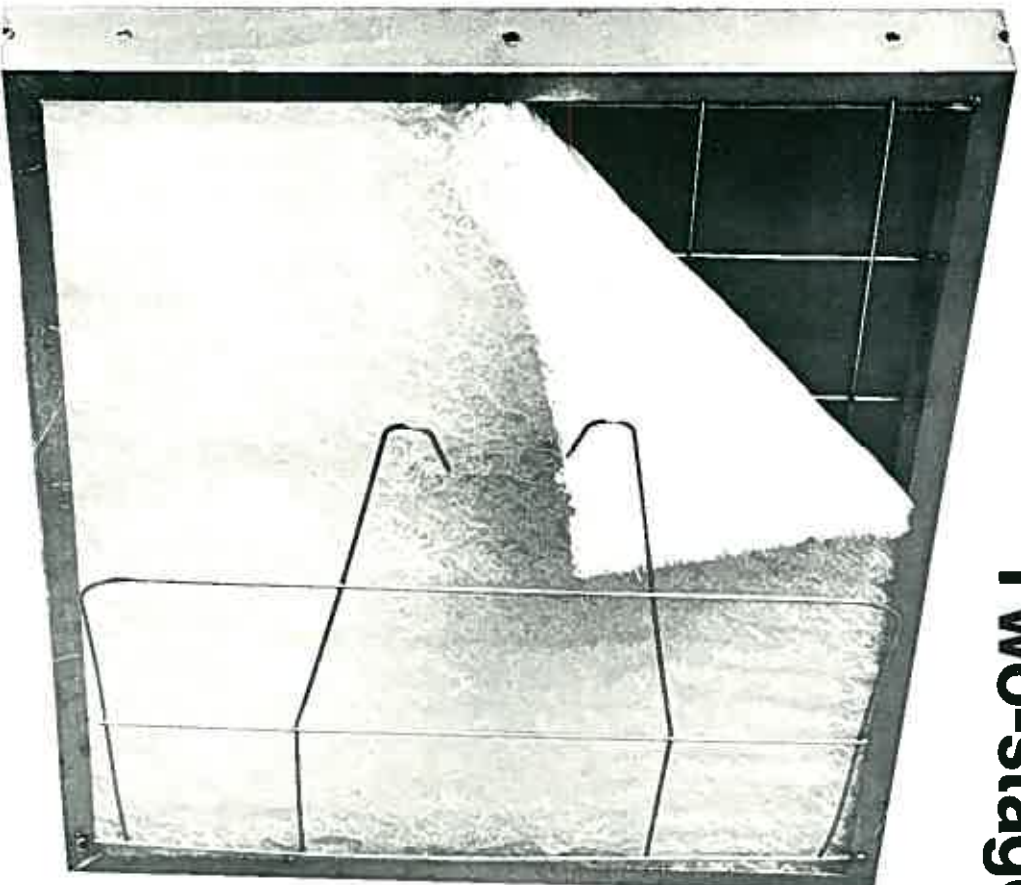


## Two-stage air filter



DCE Vokes "Super Pad" filters are available in various standard panel sizes catering for a range of air flow capacities and applications.

The filters consist of a metal outer frame surround complete with fixed rear support grid and hinged frontal retainer into which disposable Vee-Glass type media is fitted.

All metal components are plated to resist corrosion.

The filter frame is provided with bolting holes around all four sides, in order to facilitate attachment within ducting systems etc. and also to permit multiple filter arrangements to be built-up, catering for a wide range of air capacity requirements.

To ensure correct orientation of the Vee-Glass media within the filter frame, the inlet face of the media is colour coded blue.

The media is coated with a specially formulated oil-type adhesive to increase filtration efficiency, and eliminate dust migration tendencies.

All media is hygienised to kill bacteria, as well as being vermin and moisture proof and complies with the most stringent fire-proofing standards.

## TWO-STAGE MEDIA (VG2)

### Types Available:--

- (a) Medium Duty (VG2-M)  
25 mm (1 in.) Deep
- (b) Heavy Duty (VG2-H)  
50 mm (2 in.) Deep

Standard glass filter media, used as a prefilter in high arrestance efficiency systems. Installed in central heating and ventilating systems, paint finishing plants, textile plants, chemical laboratories, electronic computer systems, automatic telephone exchanges, distilleries, hospitals and wherever there is a need for high-standard filtration.

Stage 1. An open structure inlet face woven from a continuous filament of 100% fibreglass, graduating in density to laminate backing on downstream side.

Stage 2. Laminate bonded to Stage 1. Provides media strength and rigidity, prevents slipping or sagging and acts as ultimate fine strainer. Media is self-supporting dirt is trapped at all levels.

## THREE-STAGE MEDIA

Heavy Duty (VG3-H)  
50 mm (2 in.) Deep Only.

Vokes V.G.3 media fills the gap between the economic two-stage filter and more expensive high arrestance efficiency filter. V.G.3 retains all advantages of two-stage filtration plus greater dust-holding capacity and higher arrestance efficiency. Suitable for more critical applications.

Stage 1. Continuous filament of 100% spun fibreglass. Stage 2. Laminate formed by fibreglass dense pack bonded to Stage 1.

Stage 3. Specially woven fine mesh air strainer bonded to Stage 2.

V.G.3 captures the finest dirt particles — adds only negligible static pressures.

## SCHEDULE OF PERFORMANCES

A.S.1132 Test Dusts Nos. 2 & 4.  
Effective Face Velocity 2.05 m/s (400 fpm)

Filter Type	Resistance		No. 2 Test Dust		No. 4 Test Dust	
	Initial	Final	Average Arrestance Efficiency	Dust Holding Capacity	Average Arrestance Efficiency	Dust Holding Capacity
Two-Stage Medium Duty (VG2-M)	50 Pa (0.2 in. wg)	175 Pa (0.7 in. wg)	90%	2368 g/m <sup>2</sup> (220 g/ft <sup>2</sup> )	80%	323 g/m <sup>2</sup> (30 g/ft <sup>2</sup> )
Two-Stage Medium Duty (VG2-H)	50 Pa (0.2 in. wg)	175 Pa (0.7 in. wg)	92%	4090 g/m <sup>2</sup> (380 g/ft <sup>2</sup> )	82%	538 g/m <sup>2</sup> (50 g/ft <sup>2</sup> )
Three-Stage Heavy Duty (VG3-H)	62 Pa (0.25 in. wg)	187 Pa (0.75 in. wg)	96%	3444 g/m <sup>2</sup> (320 g/ft <sup>2</sup> )	83%	430 g/m <sup>2</sup> (40 g/ft <sup>2</sup> )

## STANDARD PANEL SIZES

Dimensions	Rated Airflow (See Note *)	Effective Face Area	Drawing Number					
			Two Stage			Three Stage		
			Medium Duty	Filter Pad	Complete Filter	Heavy Duty	Filter Pad	Complete Filter
406 x 508 mm (16 x 20 in.)	378 l/s (800 cfm)	.0173 m <sup>2</sup> (1.86 ft <sup>2</sup> )	P7732-1	M7733-1	P7703-1	M7706-1	P7730-1	M7731-1
406 x 635 mm (16 x 25 in.)	472 l/s (1000 cfm)	.22 m <sup>2</sup> (2.37 ft <sup>2</sup> )	P7732-2	M7733-2	P7703-2	M7706-2	P7730-2	M7731-2
508 x 508 mm (20 x 20 in.)	472 l/s (1000 cfm)	.221 m <sup>2</sup> (2.38 ft <sup>2</sup> )	P7732-3	M7733-3	P7703-3	M7706-3	P7730-3	M7731-3
508 x 635 mm (20 x 25 in.)	590 l/s (1250 cfm)	.281 m <sup>2</sup> (3.02 ft <sup>2</sup> )	P7732-4	M7733-4	P7703-4	M7706-4	P7730-4	M7731-4
610 x 610 mm (24 x 24 in.)	708 l/s (1500 cfm)	.326 m <sup>2</sup> (3.51 ft <sup>2</sup> )	P7732-5	M7733-5	P7703-5	M7706-5	P7730-5	M7731-5
508 x 762 mm (20 x 30 in.)	755 l/s (1600 cfm)	.340 m <sup>2</sup> (3.66 ft <sup>2</sup> )	P7732-8	M7733-8	P7703-8	M7706-8	P7730-8	M7731-8

\* Effective Face Velocity = 2.05 m/s (400 fpm)



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