



**VOKES**

## Veeglass VG2 & VG3 Panel Air Filters

### Applications

BTR Environmental's Vokes Veeglass VG2 panels are designed to give a high dust holding capacity in general air conditioning and ventilating systems. They can also be used as prefilters in high efficiency installations.

BTR Environmental's Vokes Veeglass VG3 panels meet the needs of more

critical applications by providing increased levels of dust arrestance.

### Construction

#### VG2 Panels

A pad of graduated density Veeglass media, impregnated with a viscous agent and retained in a rigid cardboard frame.

#### VG3 Panels

Similar to VG2 panels but employing a pad of three-stage Veeglass media.

#### Direction of air flow

Panels must be installed with the air flow in the direction indicated by the arrow on the panel side. The air inlet face is coloured blue for ease of identification.

### Range

Panel Sizes Dimensions Actual mm	VG2 Panels				VG3 Panels		Nominal Air Flow m <sup>3</sup> /h
	Depth – 25mm		Depth – 50mm		Depth – 50mm		
	Type Designation	Order Part No.	Type Designation	Order Part No.	Type Designation	Order Part No.	
250 x 250	VG2/1/B	C96124/1/B	VG2/1/E	C96124/1/E	VG3/1/E	C96125/1/E	425
250 x 500	VG2/2/B	C96124/2/B	VG2/2/E	C96124/2/E	VG3/2/E	C96125/2/E	850
378 x 378	VG2/3/B	C96124/3/B	VG2/3/E	C96124/3/E	VG3/3/E	C96125/3/E	935
375 x 498	VG2/4/B	C96124/4/B	VG2/4/E	C96124/4/E	VG3/4/E	C96125/4/E	1280
450 x 450	VG2/5/B	C96124/5/B	VG2/5/E	C96124/5/E	VG3/5/E	C96125/5/E	1360
399 x 498	VG2/6/B	C96124/6/B	VG2/6/E	C96124/6/E	VG3/6/E	C96125/6/E	1360
399 x 625	VG2/7/B	C96124/7/B	VG2/7/E	C96124/7/E	VG3/7/E	C96125/7/E	1700
492 x 492	VG2/8/B	C96124/8/B	VG2/8/E	C96124/8/E	VG3/8/E	C96125/8/E	1700
500 x 500	VG2/1/8/B	D95481/8/B	VG2/2/8/E	D95481/8/E	VG3/2/8/E	D95486/8/E	1700
500 x 627	VG2/9/B	C96124/9/B	VG2/9/E	C96124/9/E	VG3/9/E	C96125/9/E	2130
594 x 594	VG2/10/B	C96124/10/B	VG2/10/E	C96124/10/E	VG3/10/E	C96125/10/E	2380
602 x 602	VG2/1/10/B	D95481/10/B	VG2/2/10/E	D95481/10/E	VG3/2/10/E	D95486/10/E	2380
302 x 302	VG2/11/B	C96124/11/B	VG2/11/E	C96124/11/E	VG3/11/E	C96125/11/E	595
594 x 296	VG2/12/B	C96124/12/B	VG2/12/E	C96124/12/E	VG3/12/E	C96125/12/E	1190
594 x 492	–	–	VG2/87/E	C96124/87/E	VG3/87/E	C96125/87/E	2150
602 x 302	VG2/1/12/B	D95481/12/B	VG2/2/12/E	D95481/12/E	VG3/12/E	D95486/12/E	1190

**Other Panel Sizes** – Available from BTR Environmental Ltd. on request.

### VOKES Air Filtration Pty Ltd

Contact tel: 1300 550 116

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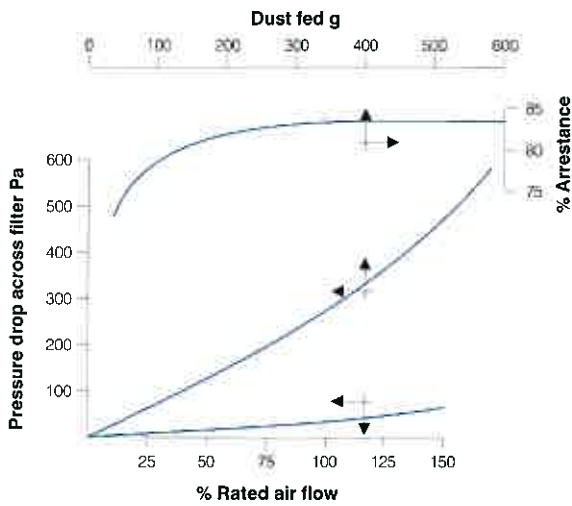
PO BOX 111 MINTO NSW 2566



## Performance

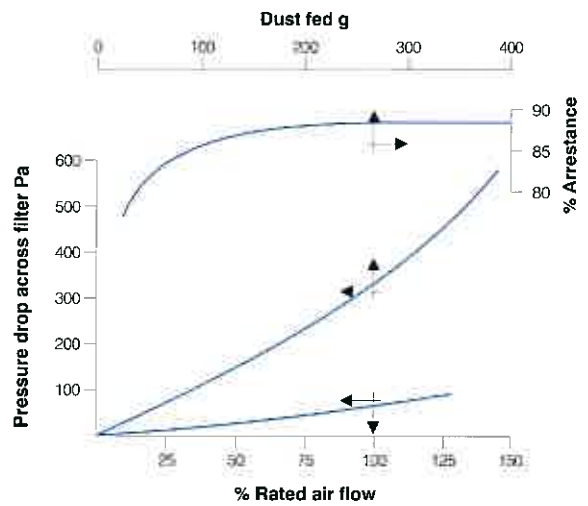
### Veeglass Panel Filters tested to EUROVENT 4/5 - (BS EN779 - ASHRAE 52.1-92)

**VG2 Panel Filter**



Air Flow: 2380m<sup>3</sup>/h (0.66m<sup>3</sup>/s)  
Panel Size (Nominal): 600 x 600 x 50mm

**VG3 Panel Filter**



Air Flow: 2380m<sup>3</sup>/h (0.66m<sup>3</sup>/s)  
Panel Size (Nominal): 600 x 600 x 50mm

Grade and Type	Nominal Face Velocity	Initial Pressure Drop	EUROVENT 4/5 (BS EN779 ASHRAE 52.1-29)		EUROVENT BS EN779 Rating
	m/s	Pa	Average † Arrestance %	Arrestance Load g/m <sup>2</sup>	EU No
VG2 25mm thick	2.0	22	82	800	EU3/G3
	1.5	15			
VG2 50mm thick	2.0	45	82	1500	EU3/G3
	1.5	35			
VG3 50mm thick	2.0	65	84	1100	EU3/G3
	1.5	50			

**TEMPERATURE AND HUMIDITY** Maximum working temperature 100°C Maximum relative humidity 80%

† At final  $\Delta P$  of 500 Pa

BTR Environmental Ltd. recommends that filters are changed when there is a rise of 125 Pa over the clean resistance.



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