

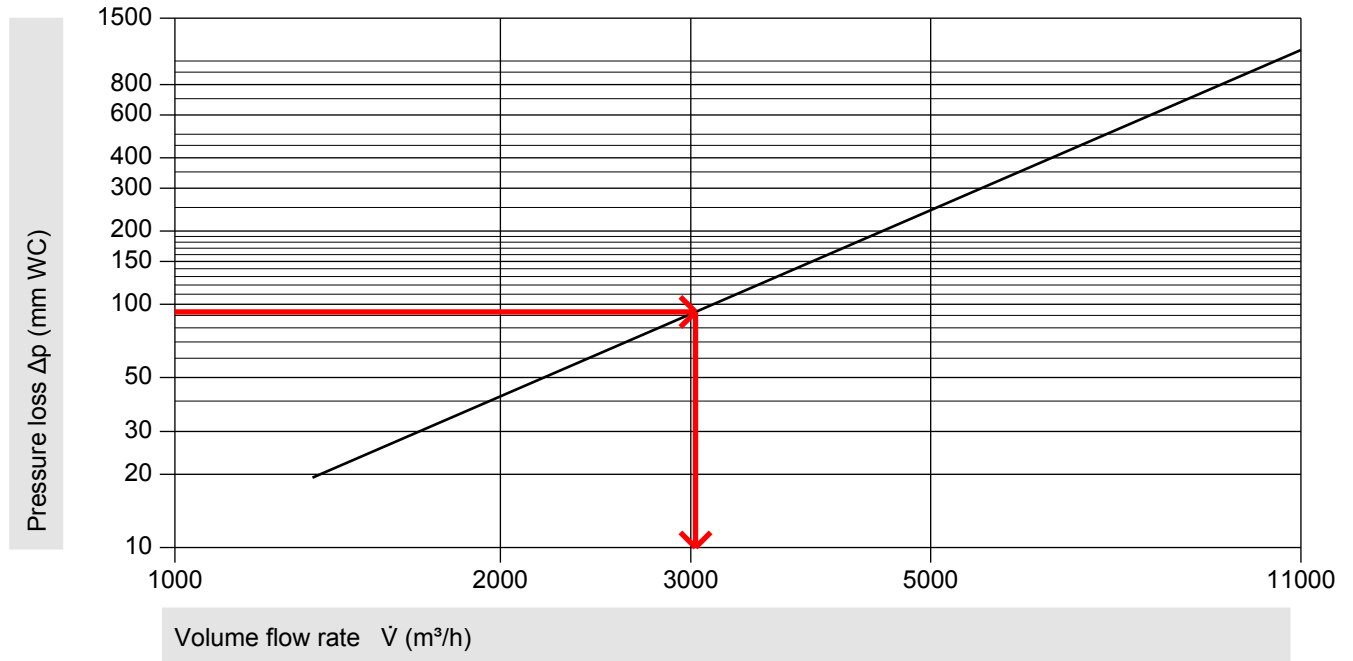


Project Data					
TAG Number	PVSV-4031~4035,PVSV-4041~4045,PVSV-4051~4055				
Device					
Model	VD/TS-300-IIB3				
Manufacturer	Braunschweiger Flammenfilter GmbH				
Notes:					
Product data					
Product	VOCs				
Molar mass	29.000	kg/kmol			
Compressibility factor	1.0				
Operating temperature	30.0°C				
Requirements					
Set pressure	42.0	mmWC-g	Set vacuum	-22.0	mmWC-g
Relieving pressure	93.0	mmWC-g	Relieving vacuum	-88.0	mmWC-g
Required flow capacity (P)	4335.0	m³/h	Required flow capacity (V)	6030.0	m³/h
Capacity Gas at Normal conditions (0.00 °C, 101.325 kPa-a) P			Capacity Air at Normal conditions (0.00 °C, 101.325 kPa-a) V		
Results		Pressure		Vacuum	
Required flow capacity per device in gas at normal condition	2168	m³/h	-		
Required flow capacity per device in air at normal condition	-		3015	m³/h	
Required air capacity as per PROTEGO® diagram (20°C, 1 bar)	2383	m³/h	3279	m³/h	
Relieving pressure	93.0	mmWC-g	-88.0	mmWC-g	
Resulting flow capacity per device for relieving pressure minus back pressure (Air as per PROTEGO® diagram)	3030	m³/h	3680	m³/h	
Resulting flow capacity per device in gas at normal condition	2756	m³/h	-		
Resulting flow capacity per device in air at normal condition	-		3384	m³/h	
Number of required devices	2				



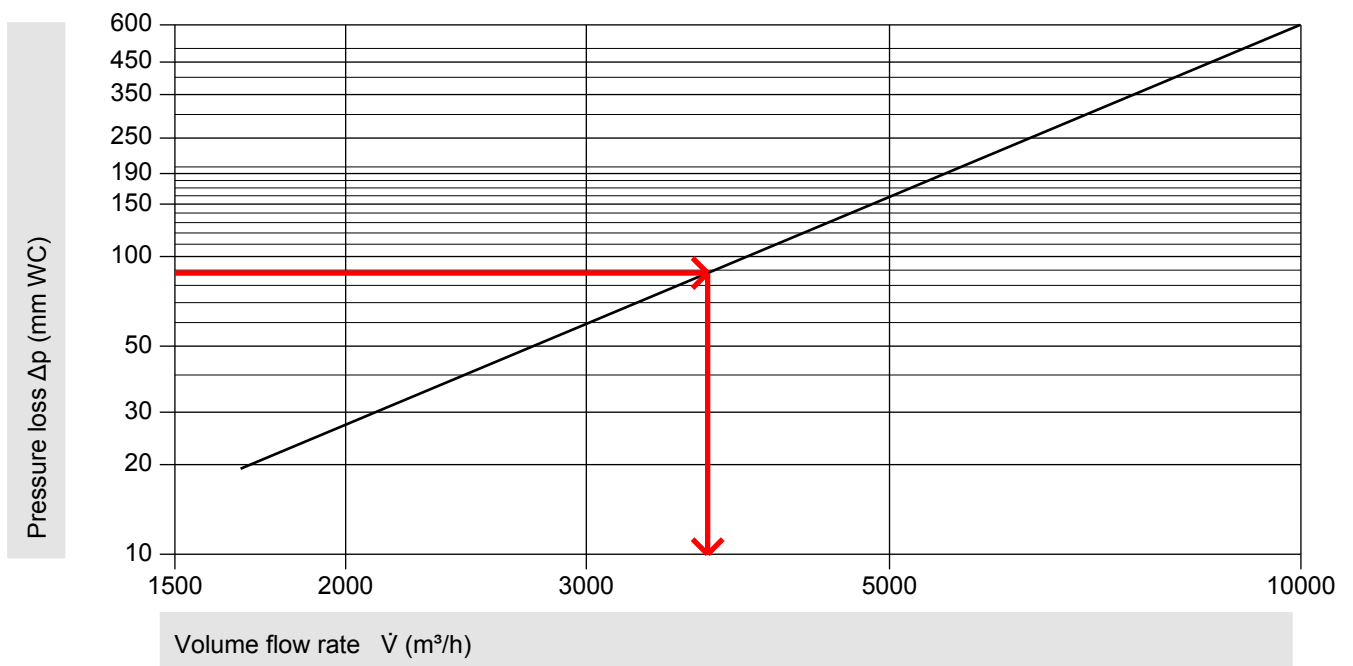
PROTEGO® capacity diagram

VD/TS-300-IIB3, Pressure



Capacity loads as per PROTEGO Diagrams refer to air as per ISO 6358 at 20°C, 1 bar
 The capacity curve is measured with a clean flame arrester.

VD/TS-300-IIB3, Vacuum



Capacity loads as per PROTEGO Diagrams refer to air as per ISO 6358 at 20°C, 1 bar
 The capacity curve is measured with a clean flame arrester.

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