



Product	Product name	Product code
Particle filter P3	VP3	40350
Combine filter A1P3	VA1P3	40250
Combine filter AB1P3	VABE1P3	40251
Combine filter A1B2E2K1P3	VA1B2E2K1P3	40253

## Product Description

V series filters are designed for use with all of Shigematsu Powered Air Purifying Respirator (PAPR) masks and obtain protection against solid and liquid particles and gases.

## Applicable Particle, Gas and Colour

Colour	Filter Type	Application
Brown	A	Organic gases and vapour (boiling point > 65°C)
Grey	B	Inorganic gases and vapours
Yellow	E	Sulphur dioxide and other acidic gases and vapours
Green	K	Amonia and organic ammonia derivatives
White	P	Solid and Liquid particles

## Class Type of Gas Filters

Class	Max. Permissible Concentration
1	1,000 ppm (0.1 vol.%)
2	5,000 ppm (0.5 vol.%)
3	10,000 ppm (1.0 vol.%)

## Technical specification

Series	V series			
	Particle filter and Combine filters			
Type	VP3	VA1P3	VABE1P3	VA1B2E2K1P3
Product name	VP3	VA1P3	VABE1P3	VA1B2E2K1P3
Product code	40350	40250	40251	40253
Approval	EN 14387:2004+A1:2008			
Dia.(mm)	96	110	110	110
Height. (mm)	28	62	65	65
Weight (g)	≤32	≤165	≤205	≤215
Storage Temperature	5°C~40°C	5°C~40°C	0°C~50°C	0°C~50°C
Humidity	≤65%	≤65%	≤75%	≤75%
Compatible mask	Sync01 Sync11 Sync09	Sync01 Sync11 Sync09	Sync01 Sync11 Sync09	Sync11 Sync09



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## Material List

Component	Material Type	Filter
Case A	Polystyrene	VP3
Case B	Polyamide, Rayon	VP3
Filter	Glass microfibers	VP3, VA1P3, VABE1P3, VA1B2E2K1P3
	Glass microfibers	
	Binder	
Label	Paper	VP3, VA1P3, VABE1P3, VA1B2E2K1P3
Filter cover	Polystyrene	VA1P3, VABE1P3, VA1B2E2K1P3
Panel	Polystyrene	VA1P3, VABE1P3, VA1B2E2K1P3
Backup Filter (Panel)	Nylon, Rayon	VA1P3, VABE1P3, VA1B2E2K1P3
Case	Polystyrene	VA1P3
Backup Filter (Case)	Nylon, Rayon	VA1P3
Acivated carbon	Acivated carbon	VA1P3, VABE1P3, VA1B2E2K1P3
Backup Filter A(Case)	Nylon, Rayon	VABE1P3, VA1B2E2K1P3
Backup Filter B(Case)	Polypropylene, Acrylics	VABE1P3, VA1B2E2K1P3
Backup Filter C(Case)	Nylon, Rayon	VABE1P3