



## Filter Range

Introducing the F1100 Filter Range. Our Filters are available in nine different industrial combinations, with ultra-low breathing resistance, optimised capacity and patented connection technology.

### High Protection, Low Resistance

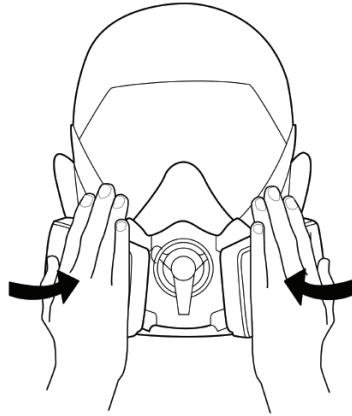
With a minimised pressure drop across the filter media and optimised flow geometry, our F1100 filter range offers an ultra-low breathing resistance, lowering the challenge on the face seal. Performance and comfort at their core.

### Fit Check with Confidence

We've built confidence into the design of our filters. When covered, our filters allow negative fit checks to be performed by users before entering hazardous environments. Better fit, better protection.

### Secure Fit, Any Rotation

Our filters have been designed around ease of use. Our patented 'Easy-On' filter mechanism helps users to securely mount filters onto their masks from any orientation with ease. Better by design.



P3 R

A1

A2

ABE1

ABEK1

A1P3 R D

A2P3 R D

ABE1P3 R D

ABEK1P3 R D

**CE 2797** EN 143:2000  
EN 14387:2004+A1:2008

AS/NZS 1716:2012

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The F1100 Filter Range - For use with both the FFM1600 and HM1400 masks										
		Particulate Only Filter	Gas Only Filter				Combined Filter			
										
EN Requirement		P3 R	A1	A2	ABE1	ABEK1	A1P3 R D	A2P3 R D	ABE1P3 R D	ABEK1P3 R D
Weight per filter pair	Actual	125 g	210 g	210 g	230 g	230 g	250 g	250 g	280 g	280 g
	EN140	< 300 g								
	EN136	< 500 g								
Pressure Drop (Measurement at 95 litres per minute)	Actual	0.9 mbar	0.9 mbar	1.2 mbar	1.0 mbar	1.0 mbar	1.7 mbar	1.9 mbar	1.8 mbar	1.8 mbar
	EN	4.2 mbar	4.0 mbar	5.6 mbar	4.0 mbar	4.0 mbar	8.2 mbar	9.8 mbar	8.2 mbar	8.2 mbar
Efficiency	Actual	> 99.99 %				> 99.99 %				
	EN	> 99.95 %				> 99.95 %				
Penetration	Actual	< 0.01 %				< 0.01 %				
	EN	< 0.05 %				< 0.05 %				
Cyclohexane	Actual	NA	200 min	50 min	150 min	150 min	200 min	50 min	150 min	150 min
	EN	NA	70 min	35 min	70 min	70 min	70 min	35 min	70 min	70 min
Hydrogen Cyanide	Actual	NA			> 100 min	> 100 min	NA	NA	> 100 min	> 100 min
	EN	NA			25 min	25 min	NA	NA	25 min	25 min
Hydrogen Sulphide	Actual	NA			> 100 min	> 100 min	NA	NA	> 100 min	> 100 min
	EN	NA			40 min	40 min	NA	NA	40 min	40 min
Chlorine	Actual	NA			> 100 min	> 100 min	NA	NA	> 100 min	> 100 min
	EN	NA			20 min	20 min	NA	NA	20 min	20 min
Sulphur Dioxide	Actual	NA			65 min	50 min	NA	NA	65 min	50 min
	EN	NA			20 min	20 min	NA	NA	20 min	20 min
Ammonia	Actual	NA				90 min	NA			90 min
	EN	NA				50 min	NA			50 min
Viral Filtration Efficiency (VFE)	Actual	> 99.9999 %	NA				> 99.9999 %			

Filter usage at a glance										
										
		P3 R	A1	A2	ABE1	ABEK1	A1P3 R D	A2P3 R D	ABE1P3 R D	ABEK1P3 R D
Organic vapours	A	NA	✓	✓	✓	✓	✓	✓	✓	✓
Inorganic vapours	B	NA			✓	✓	NA		✓	✓
Acidic vapours	E	NA			✓	✓	NA		✓	✓
Ammonia vapours	K	NA				✓	NA			✓
Nuisance odours		NA	✓	✓	✓	✓	✓	✓	✓	✓
Dusts	P	✓	NA				✓	✓	✓	✓
Mists		✓	NA				✓	✓	✓	✓
Viruses such as COVID-19		✓	NA				✓	✓	✓	✓
Water based painting		✓	NA				✓	✓	✓	✓
Solvent based brush painting		NA	✓	✓	✓	✓	✓	✓	✓	✓
Rubbing down paint		✓	NA				✓	✓	✓	✓
Paint stripping, chemical or heat		NA				✓	✓	✓	✓	✓
White spirit		NA	✓	✓	✓	✓	✓	✓	✓	✓
Chlorine (cleaning & pools)		NA			✓	✓	NA		✓	✓
Glyphosate (weed killer)		✓	NA				✓	✓	✓	✓
Brick acid (graffiti removal)		NA			✓	✓	NA		✓	✓
Formaldehyde		NA			✓	✓	NA		✓	✓
Fibres & fibre glass		✓	NA				✓	✓	✓	✓
Plaster		✓	NA				✓	✓	✓	✓
Silica (concrete/stone cutting)		✓	NA				✓	✓	✓	✓
Woods (hard & soft)		✓	NA				✓	✓	✓	✓
MDF (machine tooling)		✓	NA				✓	✓	✓	✓
Welding (ferrous & lead)		✓	NA				✓	✓	✓	✓
Earth moving (contaminated)		NA					✓	✓	✓	✓

WEL or Workplace Exposure Level - This table is for guidance purposes only. A proper risk assessment by qualified personnel should be carried out before selecting an appropriate filter cartridge.

Product Code										
										
		P3 R	A1	A2	ABE1	ABEK1	A1P3 R D	A2P3 R D	ABE1P3 R D	ABEK1P3 R D
Box of 10 Individually Boxed Pairs		1100-001-P00010	1100-001-P00011	1100-001-P00012	1100-001-P00013	1100-001-P00014	1100-001-P00015	1100-001-P00016	1100-001-P00017	1100-001-P00018
Single (individually) Boxed Pair		1100-001-P00154	1100-001-P00155	1100-001-P00156	1100-001-P00157	1100-001-P00158	1100-001-P00159	1100-001-P00160	1100-001-P00161	1100-001-P00162
Bulk Boxed 10 Pairs		NA					1100-001-P00002	1100-001-P00009	1100-001-P00006	1100-001-P00003
Bulk Boxed 15 Pairs		1100-001-P00001	1100-001-P00004	1100-001-P00008	1100-001-P00005	1100-001-P00007	NA			

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