



# SCOTT PRO<sup>2</sup>™ CARTRIDGE FILTERS

## TECHNICAL DATA SHEET

### Test results

Note: Twin filter half mask filters are tested individually, and supplied airflow is cut in half, i.e. 30 l/min test is performed at 15 l/min and 95 l/min is performed at 47,5 l/min.

### PARTICLE FILTER

#### Pro<sup>2</sup> P3

protects against solid and liquid, toxic and radioactive particles, micro-organisms, e.g. bacteria and viruses. BGIA test report 200423405/2120. CE 0121, Nr. 0501012.

Test	Pro <sup>2</sup> P3	EN 143
Weight	69 g	max 300 g (2)
Height of microfibre filter element Diameter Ø	11,2 mm 90 mm	
Storage time	10 years	
Breathing resistance max. @ 15 l/min @ 47.5 l/min	0,4 mbar 1,4 mbar	< 1.2 mbar < 4.2 mbar
Protection capacity, min penetration % NaCl = Sodium chloride Paraffin oil	0,001 % 0,003 %	< 0.05 % < 0.05 %



### GAS FILTERS

#### Pro<sup>2</sup> A1 Gas filter

protects against: gases and vapours from organic compounds with a boiling point higher than 65°C. BGIA test report Nr. 200423520/2120. CE 0121, Nr. 0501014.

FEATURE	Pro <sup>2</sup> A1	EN 14387:2004
Weight	70 g	max 300 g (2)
Breathing resistance		
@ air flow 15 l/min	0,26 mbar	< 1,0 mbar
@ air flow 47,5 l/min	0,95 mbar	< 4,0 mbar
Filter capacity. Min permitted breakthrough time @ 15 l/min		
C <sub>6</sub> H <sub>12</sub> Cyclohexane (0,1 vol%)	93	70 min
Dimensions		
Height	60 mm	
Diameter Ø	90 mm	-
Volume of carbon	80 ml	
Other data		
Casing material	PP	
Storage time	5 years (factory sealed)	
Storage temperature	-10 ... +50 °C (factory sealed)	





### Pro<sup>2</sup> A2 Gas filter

protects against: gases and vapours from organic compounds with a boiling point higher than 65 °C. BGIA Test report 200423447/2120. CE 0121, Nr. 0501015.

FEATURE	Pro <sup>2</sup> A2	EN 14387:2004
Weight	84 g	max 300 g (2)
Breathing resistance		
@ air flow 15 l/min	0,33 mbar	< 1,40 mbar
@ air flow 47,5 l/min	1,23 mbar	< 5,60 mbar
Filter capacity. Min allowed breakthrough time.		
C <sub>6</sub> H <sub>12</sub> Cyclohexane (0,5 vol%)	50 min	> 35 min
Dimensions		
Height	55 mm	
Diameter Ø	90 mm	-
Volume of carbon	110 ml	
Other data		
Casing material	PP	
Storage time	5 years (factory sealed)	
Storage temperature	-10°... +50 °C (factory sealed)	



### Pro<sup>2</sup> A1B1E1 Gas filter

protects against: gases and vapours from organic compounds with a boiling point higher than 65°C, inorganic and acid gases and vapours. BGIA test report Nr. 200423610/2120. CE 0121, Nr. 0501017.

FEATURE	Pro <sup>2</sup> A1B1E1	EN 14387:2004
Weight	102 g	max 300 g (2)
Breathing resistance		
@ air flow 15 l/min	0,35 mbar	< 1,0 mbar
@ air flow 47,5 l/min	1,3 mbar	< 4,0 mbar
Filter capacity. Min permitted breakthrough time.		
C <sub>6</sub> H <sub>12</sub> Cyclohexane (0,1 vol%)	88 min	70 min
Cl <sub>2</sub> Chlorine	>45 min	20 min
H <sub>2</sub> S Hydrogen sulphide	>60 min	40 min
HCN Hydrogen cyanide	>45 min	25 min
SO <sub>2</sub> Sulphur dioxide	>45 min	20 min
Dimensions		
Height	55 mm	
Diameter Ø	90 mm	
Carbon volume	100 ml	
Other data		
Casing material	PP	
Storage time	5 years (factory sealed)	
Storage temperature	-10 +50 °C (factory sealed)	





### Pro<sup>2</sup> A1B1E1K1 Gas filter

protects against: gases and vapours from organic compounds with a boiling point higher than 65°C, inorganic and acid gases and vapours, ammonia and organic ammonia derivatives. BGIA test report nr. 200423611/2120. CE 0121, Nr. 0501016.

FEATURE	Pro <sup>2</sup> A1B1E1K1	EN 14387:2004
Weight	102 g	max 300 g (2)
Breathing resistance		
@ air flow 15 l/min	0,35 mbar	< 1,0 mbar
@ air flow 47,5 l/min	1,3 mbar	< 4,0 mbar
Filter capacity. Min permitted breakthrough time.		
C <sub>6</sub> H <sub>12</sub> Cyclohexane (0,1 vol%)	88 min	70 min
Cl <sub>2</sub> Chlorine	> 45 min	20 min
H <sub>2</sub> S Hydrogen sulphide	> 60 min	40 min
HCN Hydrogen cyanide	> 45 min	25 min
SO <sub>2</sub> Sulphur dioxide	> 45 min	20 min
NH <sub>3</sub> Ammonia	>70 min	50 min
Dimensions		
Height	55 mm	
Diameter Ø	90 mm	
Carbon volume	85 ml	
Other data		
Casing material	PP	
Storage time	5 years (factory sealed)	
Storage temperature	-10 ... +50 °C (factory sealed)	



## COMBINED FILTERS

### Pro<sup>2</sup> A1-P3 combined filter

protects against: gases and vapours from organic compounds with a boiling point higher than 65°C and solid and liquid hazardous particles. BGIA test report Nr. 200423519/2120. CE 0121, Nr. 0501018.

FEATURE	Pro <sup>2</sup> A1-P3	EN14387:2004
Weight	131 g	max 300 g (2)
Breathing resistance		
@ air flow 15 l/min	0,65 mbar	< 2,2 mbar
@ air flow 47,5 l/min	2,3 mbar	< 8,2 mbar
Particle filter capacity, min. EN 143.		
Penetration %		
NaCl = Sodium chloride	0,001 %	< 0.05 %
Paraffin oil	0,003 %	< 0.05 %
Gas filter capacity. Min permitted breakthrough time@ 15 l/min.		
C <sub>6</sub> H <sub>12</sub> Cyclohexane (0,1 vol%)	> 120 min	> 70 min
Dimensions		
Height	60 mm	
Diameter Ø	90 mm	-
Volume	80 ml	
Other data		
Casing material	PP	
Storage time	5 years (factory sealed)	
Storage temperature	-10 ... +50 °C (factory sealed)	



### Pro<sup>2</sup> A2-P3 combined filter

protects against: gases and vapours from organic compounds with a boiling point higher than 65°C and solid and liquid hazardous particles. BGIA test report 20042347/2120. CE 0121, Nr. 0501019.

FEATURE	Pro <sup>2</sup> A2-P3	EN 14387:2004
Weight	142 g	max 300 g (2)
Breathing resistance		
@ air flow 15 l/min	0,7 mbar	< 2,6 mbar
@ air flow 47,5 l/min	2,6 mbar	< 9,8 mbar
Particle filter capacity, min. EN 143.		
Penetration %		
NaCl = Sodium chloride	0,001 %	< 0.05 %
Paraffin oil	0,003 %	< 0.05 %
Gas filter capacity. Min permitted breakthrough time@ 15 l/min.		
C <sub>6</sub> H <sub>12</sub> Cyclohexane (0,1 vol%)	50 min	> 35 min
Dimensions		
Height	60 mm	
Diameter Ø	90 mm	
Volume	110 ml	
Other data		
Casing material	PP	
Storage time	5 years (factory sealed)	
Storage temperature	-10 ... +50 °C (factory sealed)	



## Pro<sup>2</sup> A1B1E1-P3 Combined filter

protects against: gases and vapours from organic compounds with a boiling point higher than 65°C, inorganic and acid gases and vapours and solid and liquid hazardous particles. BGIA test report nr. 200423608/21210. CE 0121, Nr. 0501021.



FEATURE	Pro <sup>2</sup> A1B1E1-P3	EN 14387:2004
Weight	140 g	max 300 g (2)
Breathing resistance		
@ air flow 15 l/min	0,7 mbar	< 2,2 mbar
@ air flow 47,5 l/min	2,4 mbar	< 8,2 mbar
Particle filter capacity, min. EN 143.		
Penetration %		
NaCl = Sodium chloride	0,001 %	< 0.05 %
Paraffin oil	0,003 %	< 0.05 %
Gas filter capacity. Min permitted breakthrough time@ 15 l/min.		
C <sub>6</sub> H <sub>12</sub> Cyclohexane (0,1 vol%)	88 min	70 min
Cl <sub>2</sub> Chlorine	>45 min	20 min
H <sub>2</sub> S Hydrogen sulphide	>60 min	40 min
HCN Hydrogen cyanide	>45 min	25 min
SO <sub>2</sub> Sulphur dioxide	>45 min	20 min
Dimensions		
Height	60 mm	
Diameter Ø	90 mm	
Volume	100 ml	
Other data		
Casing material	PP	
Storage time	5 years (factory sealed)	
Storage temperature	-10 ... +50 °C (factory sealed)	

## Pro<sup>2</sup> A1B1E1K1-P3 Combined filter

protects against: gases and vapours from organic compounds with a boiling point higher than 65°C, inorganic and acid gases and vapours, ammonia and organic ammonia derivatives and solid and liquid hazardous particles. BGIA test report nr. 200423609/2120. CE 0121, Nr. 0501020.

FEATURE	Pro <sup>2</sup> A1B1E1K1-P3	EN 14387:2004
Weight	140 g	max 300 g (2)
Breathing resistance		
@ air flow 15 l/min	0,7 mbar	< 2,2 mbar
@ air flow 47,5 l/min	2,4 mbar	< 8,2 mbar
Particle filter capacity, min. EN 143.		
Penetration %		
NaCl = Sodium chloride	0,001 %	< 0.05 %
Paraffin oil	0,003 %	< 0.05 %
Gas filter capacity. Min permitted breakthrough time @ 15 l/min.		
C <sub>6</sub> H <sub>12</sub> Cyclohexane (0,1 vol%)	88 min	70 min
Cl <sub>2</sub> Chlorine	>45 min	20 min
H <sub>2</sub> S Hydrogen sulphide	>60 min	40 min
HCN Hydrogen cyanide	>45 min	25 min
SO <sub>2</sub> Sulphur dioxide	>45 min	20 min
NH <sub>3</sub> Ammonia	>70 min	50 min
Dimensions		
Height	60 mm	
Diameter Ø	90 mm	
Volume of carbon	85 ml	
Other data		
Casing material	PP	
Storage time	5 years (factory sealed)	
Storage temperature	-10 ... +50 °C (factory sealed)	

