

# TECHNICAL DATASHEET

## PRO 2000 CF32 ABEK2P3 RD COMBINED FILTER

### Description

Part Number	5042799
Shelf Life	5 years factory sealed
Package	20
Storage Conditions	-10 °C to + 50 °C, <75% RH (factory sealed)
Diameter	110mm
Height	105mm
Weight	377g
Connection	40 mm thread
Body Material	Polypropylene, reinforced



### Approval

EN 14387, EN 12941, & EN 12942

### Pro 2000 CF32 ABEK2P3 Combined Filter protects against:

A	A = Gases and vapours from organic compounds with a boiling point above 65°C
B	B = Inorganic gases and vapours, e.g. chlorine, hydrogen sulphide, hydrogen cyanide
E	E = Acid gases and vapours, e.g. sulphur dioxide
K	K = Ammonia and organic ammonia derivatives
P3	P3 = Solid and liquid particles, toxic and radioactive particles, micro-organisms (e.g. bacteria and viruses) and enzymes
R	R = Reusable
D	D = Dolomite, continued performance after test clogging

### Technical Data

	PRO 2000 CF32 ABEK2P3	EN 14387 Requirements
<b>BREATHING RESISTANCE</b>		
30 l/m	1.3 mbar	Max 2.6 mbar
95 l/m	4.8 mbar	Max 9.8 mbar
<b>GAS FILTER CAPACITY WITH TEST GAS @ 30 l/m</b>		
Cyclohexane C <sub>6</sub> H <sub>12</sub> (0.5 vol.-%)	46 min	Min. 35 mins
Chlorine Cl <sub>2</sub> (0.5 vol.-%)	53 min	Min 20 mins
Hydrogen sulphide H <sub>2</sub> S (0.5 vol.-%)	75 min	Min 40 min
Hydrogen cyanide HCN (0.5 vol.-%)	>46 min	Min 25 min
Sulphur dioxide SO <sub>2</sub> (0.5 vol.-%)	25 min	Min 20 min
Ammonia NH <sub>3</sub> (0.5 vol.-%)	52 min	Min 40 min
<b>PARTICLE FILTER EFFICIENCY @ 95 l/m</b>		
Sodium chloride NaCl (S)	0.003%	Max 0.05%
Paraffin oil (L)	0.016%	Max 0.05%

Note - Tested filter penetration and breakthrough time is for the specific chemical cartridge when tested under controlled laboratory conditions. Tested cartridges are selected at random to represent this cartridge for regulatory and performance testing. Therefore the data provided above is representative and does not necessarily reflect or guarantee actual performance. The times provided apply only to Scott Safety cartridges and canisters at the specified conditions. Filter penetration and breakthrough time under actual use conditions may differ based upon the encountered contaminant and environmental conditions.

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## Technical Data

### EN 12941/12942 Requirements

#### GAS FILTER CAPACITY WITH TEST GAS @ 80 l/m

Cyclohexane C <sub>6</sub> H <sub>12</sub> (0.1 vol.-%)	>75 min	Min 70 min
Chlorine Cl <sub>2</sub> (0.1 vol.-%)	>40 min	Min 20 min
Hydrogen sulphide H <sub>2</sub> S (0.1 vol.-%)	>80 min	Min 40 min
Hydrogen cyanide HCN (0.1 vol.-%)	>50 min	Min 25 min
Sulphur dioxide SO <sub>2</sub> (0.1 vol.-%)	>30 min	Min 20 min
Ammonia NH <sub>3</sub> (0.1 vol.-%)	>75 min	Min 50 min

Note - Tested filter penetration and breakthrough time is for the specific chemical cartridge when tested under controlled laboratory conditions. Tested cartridges are selected at random to represent this cartridge for regulatory and performance testing. Therefore the data provided above is representative and does not necessarily reflect or guarantee actual performance. The times provided apply only to Scott Safety cartridges and canisters at the specified conditions. Filter penetration and breakthrough time under actual use conditions may differ based upon the encountered contaminant and environmental conditions.