



Respiratory protection

• **FILTERS**

DIRIN 230

ABEK2 Hg SX P3 R D



Manufacturer

D.P.I. S.r.l. - Via di Cervara 42 - 00155 Roma - Italia

Type

Combined filter

Description

Combined filter for organic vapours having boiling point higher than 65°C, inorganic gases and vapours, Sulphur Dioxide (SO₂), Ammonia (NH₃) and its derivatives, Mercury vapours (Hg), Sarin (GB), dusts, fumes and mists.

Can be fitted with POLIMASK 330, POLIMASK 2000 Alfa half masks, or with SFERA, IDEA, C 607, SELECTA, and C 701 full face masks.

- **Housing:** resistant and anti-scratch synthetic resin.
- **Filtering material:** activated carbon and filter paper.

Item no.

4341.0654SX

Reference standard

EN 14387:04/A1:2008

Duration

Filter complying with the provisions of Regulation (EU) 2016-425.
Combined filter, class 2 for gas protection and particle filters class P3 R D.

Weight

287 g.

Conditions of storage

5 years (factory sealed)

Imballo

Complete with 2 plastic covers, on both threaded connector and filter bottom.
1 piece, packed in a carton box, dim. 98x98x98 mm.

Shelf life

In original packaging
Temperature between -2 °C and + 55 °C
RH < 75%



TECHNICAL INFORMATION

Breathing resistance

At	Norm requirements	DIRIN 230 A2-B2-E2-K2-Hg-SX-P3 R D
30 l/min	max. 2,6 mbar	< 2,6 mbar
95 l/min	max. 9,8 mbar	< 9,8 mbar

Duration at gases

Filter type	Class	Gas	Concentration (ppm)	Breakthrough point (ppm)	Duration (minutes)	
					Norm requirements	Permormed tests
A	2	C6H12	5 000 ppm	10 ppm	35 minutes	>35 minutes
B	2	H2S	5 000 ppm	10 ppm	40 minutes	>40 minutes
	2	Cl2	5 000 ppm	0.5 ppm	20 minutes	>20 minutes
	2	HCN	5 000 ppm	10 ppm	25 minutes	>25 minutes
E	2	SO2	5 000 ppm	5 ppm	20 minutes	>20 minutes
K	2	NH3	5 000 ppm	25 ppm	40 minutes	>40 minutes
Hg		hg	1600 ml/m3	0.1 ml/m3	100 hours	>100 hours
GB		GB	500 mg/m3	0.1 mg/m3	180 minutes	> 180 minutes

Aerosol test

	Norm requirements	Measured values
Paraffin oil (DOP)%	max. 0,05%	< 0,05 %
Sodium chloride (NaCl)%	max. 0,05%	< 0,05 %

Marking

Marking **R** means the filters can be used for more than one shift of work.
Marking **D** means the filter passed the clogging test with Dolomite dust and it has high performance in dusty and sandy settings.

Limitations for use

Do not use in areas where the oxygen concentration is lower than 18% in volume nor in presence of gases different from those clearly indicated.