
Data Sheet: CBRN-CE filter

Filter for CBRN use (European labelling)

Description	CBRN (chemical, biological, radiological, nuclear) filter
Usage	Protection against particulates, dust, smoke, fumes, bacteria, chemical and biological warfare agents, ammonia, and a wide range of organic, inorganic and acid gases
Material	Housing of ABS/PC plastic
Weight	495 g
Breathing resistance	<50 mm H ₂ O (4.9 mbar at 85 l/min)
Particle filter medium	Non-woven hydrophobic fibreglass paper, mechanical filtration
Gas filter capacity	<p>— SE40 CBRN PAPR with dual filters: Service life exceeds the 90-minute requirement of BS8468-4:2008 Capacity Class 90 for CBRN PAPR for all 10 Test Representative Gases (TRGs). Tests are conducted at 64 l/min</p> <p>— FP-C negative pressure RPD with single filter: Service life exceeds the 15-minute requirement of BS8468-2:2006 Capacity Class 15 for CBRN negative pressure RPD for all 10 Test Representative Gases (TRGs). Tests were conducted at 64 l/min</p>
Particle filter capacity	<p>— P4 penetration <0.003% using paraffin oil at 95 l/min</p> <p>— P4 high flow penetration 0.01% using paraffin oil at 250 l/min</p>
Chemical agent permeation resistance:	The filter was tested with FP-C CBRN air purifying respirator and SE40 CBRN PAPR on a breathing machine against distilled sulphur mustard (HD) and sarin (GB). The devices achieved a capacity of 8 hours for HD and GB vapour, and 2 h for HD liquid. Tests were conducted at a breathing rate of 40 l/min.
Storage period	10 years in unbroken foil packaging
