

DATA SHEET

SEA Full Face Mask Respirator FP-C — CBRN

Halo-butyl rubber



Updated: 11 Jun 2008

Description:	Full face CBRN respirator																																							
Product name:	FP-C																																							
Standards approvals*:	NIOSH CBRN APR																																							
Usage:	Intended for CBRN applications. Filtrable, non-IDLH atmospheres with an oxygen content sufficient for human breathing.																																							
Inward leakage:	NIOSH Laboratory Respirator Protection Level (LRPL) > 2,000																																							
Chemical agent permeation and penetration resistance:	<p>FP-C with 125-CBRN1 canister tested by NIOSH on breathing machine against distilled sulfur mustard (HD) and sarin (GB) as per table below:</p> <table border="1"> <thead> <tr> <th>Agent</th> <th>Chall. conc.</th> <th>Dur. of chall. (min)</th> <th>Breath. mach. air flow rate (l/min)</th> <th>Max. peak excurs. (mg/m³)</th> <th>Max b'thru (conc. integr. over min. serv. life) (mg-min/m³)</th> <th>No. of syst. tested</th> <th>Min. serv. life (h)</th> </tr> </thead> <tbody> <tr> <td>HD-vapor</td> <td>50 mg/m³</td> <td>30</td> <td>40</td> <td>0.30</td> <td>3.0</td> <td>3</td> <td>8</td> </tr> <tr> <td>HD-liquid</td> <td>0.43 to 0.86 ml</td> <td>120</td> <td>40</td> <td>0.30</td> <td>3.0</td> <td>3</td> <td>2</td> </tr> <tr> <td>GB</td> <td>210 mg/m³</td> <td>30</td> <td>40</td> <td>0.044</td> <td>1.05</td> <td>3</td> <td>8</td> </tr> </tbody> </table>								Agent	Chall. conc.	Dur. of chall. (min)	Breath. mach. air flow rate (l/min)	Max. peak excurs. (mg/m ³)	Max b'thru (conc. integr. over min. serv. life) (mg-min/m ³)	No. of syst. tested	Min. serv. life (h)	HD-vapor	50 mg/m ³	30	40	0.30	3.0	3	8	HD-liquid	0.43 to 0.86 ml	120	40	0.30	3.0	3	2	GB	210 mg/m ³	30	40	0.044	1.05	3	8
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Inhalation resistance:	NIOSH test results: 43.2 mm H ₂ O at 85 l/min (requirement: 65 mm H ₂ O)																																							
Exhalation resistance :	NIOSH test results: 14.0 mm H ₂ O at 85 l/min (requirement: 20 mm H ₂ O)																																							
Field of vision:	180°																																							
Face piece material :	Halo butyl rubber																																							
Operating temperature range:	-30°C to +50°C (-22°F to 122°F)																																							
Visor material:	Abrasion-resistant hard-coated polycarbonate																																							
Accessories:	Foam insert for unusual face sizes and shapes (SEA-FI) SmallTalk electronic voice communication unit (ST2-F) Belt attachment for SmallTalk (HSE) Tear-off visor films (pack of 10) (VC) Spectacle frames (attaches securely to inside of visor) (FSF-T) Pre-filter (221) and pre-filter holder (PFH-T) Fit test adapter for performing facepiece fit tests (FTA1)																																							

*) Approvals are subject to any conditions listed in the approval document. Note also that some approvals apply only to certain combinations of equipment components. For conditions and other details, see the relevant licence document.