

# DATA SHEET

## SEA Full Face Mask Respirator FP-C — CBRN

*Halo-butyl rubber*



Updated: 01 Aug 2011

<b>Description:</b>	Full face CBRN respirator							
<b>Product name:</b>	FP-C							
<b>Usage:</b>	Intended for CBRN applications. Filtrable, non-IDLH atmospheres with an oxygen content sufficient for human breathing.							
<b>Inward leakage:</b>	NIOSH Laboratory Respirator Protection Level (LRPL) > 2,000  EN136: 1998 Class 2 <0.05%							
<b>Chemical agent permeation and penetration resistance:</b>	FP-C with 125-CBRN1 canister tested by NIOSH on breathing machine against distilled sulfur mustard (HD) and sarin (GB) as per table below:							
	<b>Agent</b>	<b>Chall. conc.</b>	<b>Dur. of chall. (min)</b>	<b>Breath. mach. air flow rate (l/min)</b>	<b>Max. peak excurs. (mg/m<sup>3</sup>)</b>	<b>Max b'thru (conc. integr. over min. serv. life) (mg-min/m<sup>3</sup>)</b>	<b>No. of syst. tested</b>	<b>Min. serv. life (h)</b>
	HD-vapor	50 mg/m <sup>3</sup>	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 <sup>3</sup>	30	40	0.044	1.05	3	8
<b>Inhalation resistance:</b>	NIOSH test results: 43.2 mm H <sub>2</sub> O at 85 l/min (requirement: 65 mm H <sub>2</sub> O)							
<b>Exhalation resistance :</b>	NIOSH test results: 14.0 mm H <sub>2</sub> O at 85 l/min (requirement: 20 mm H <sub>2</sub> O)							
<b>Field of vision:</b>	180°							
<b>Face piece material :</b>	Halo butyl rubber							
<b>Operating temperature range:</b>	-30°C to +50°C (-22°F to 122°F)							
<b>Visor material:</b>	Abrasion-resistant hard-coated polycarbonate							
<b>Accessories:</b>	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.