



SPECIAL OPERATIONS

high tech. composite cylinders



SCANDINAVIA

Vision + Mission

INNOVATIVE PROGRESS

The process of innovation and challenging the status quo is what drives us. Our mission is to optimize safety and the working environment for our heroes through our products.

A NEW 4. TH GENERATION

We own and control the technologies behind our product, we believe in participating in markets where we believe we can make a significant difference.

Design

Thin & Light, Yet rock solid

Our design is:

Robust, light-weight, safe, easy to handle, and designed to upgrade your working environment.

The use of PET og Kevlar® fibers

has made it possible for Safer® to reduce the weight of the cylinder by up to 70% compared to steel cylinders and 45% compared to regular composite cylinders.

The Safer®-liner ensures an NLL use.

Safer® is designed with a thermoplastic liner to prolong cylinder life and ensure your gas is always clean, so you are always ready.



SAFER® Special operations

A new generation of cylinders designed specifically for the most extreme working conditions - among them rescue missions, where weight, strength and safety are crucial factors.

LEADING TECHNOLOGY LIGHT-WEIGHT CYLINDER DESIGN

SAFER® is a true pioneer after it was introduced to the European market.

Safer® is manufactured and tested in accordance with the most technologically advanced processes available. Automatic data acquisition allows for full traceability of our materials and provides effective monitoring of critical parameters.

SAFER® is CE marked and is certified by TÜV. The pressure cylinders are manufactured and tested according to EN 12245: 2009 and meet all requirements and specifications for use with respiratory equipment and breathing gas according to EN 12021.

SAFER®'s cylinders are compatible with all majority of SCBA set manufacturers.

BIG SELECTION OF CYLINDERS

SAFER® offer a variety of NLL cylinders specially designed to be light and compact.

VOLUME	WEIGHT	DIAMETER	LENGTH	WORK. PRESS.	THREAD	LIFESPAN	WARRANTY (months.)	COLOR	NSN (NATO Stock Number)
0.5 L	0.45 kg	80 mm	190 mm	300 bar	M18 x 1.5	NLL	24	Carbon black	8120-22-631-4656
2.0 L	1.1 kg	116 mm	321 mm	300 bar	M18 x 1.5	NLL	24	Shark grey	8120-22-631-4770
3.0 L	1.6 kg	116 mm	445 mm	300 bar	M18 x 1.5	NLL	24	Shark grey	8120-22-631-4773
6.0 L	2.6 kg	158 mm	480 mm	300 bar	M18 x 1.5	NLL	24	Shark grey	8120-22-631-4907
6.8 L	2.8 kg	158 mm	526 mm	300 bar	M18 x 1.5	NLL	24	Shark grey	8120-22-631-4779
9.0 L	3.8 kg	173 mm	578 mm	300 bar	M18 x 1.5	NLL	24	Shark grey	8120-22-631-4780
40 L	18.5 kg	226 mm	1400 mm	300 bar	M25 x 2	NLL	24	Shark grey	8120-22-631-4781

Cylinder Features

Worlds lightest: Lighter weight increases your stamina.

Quickfill - Possibility to quickfill your safer® cylinder.

Quick-release - Possibility to quickly empty your safer® cylinder - 300 bar / min.

Excess Flow Valve - Ensures additional safety for you.

Good return on your investment - Upgrades your working environment.

Durable and 5 x stronger than steel: - No Limited Life (NLL) + 20.000 cycles.

Easy to clean & service, keeping costs to a minimum.

Safer® fits what you have already. - Compatible with all other major SCBA manufacturers.



Special operations

For extreme rescue-operations,

Gives rescuers optimal working conditions.



The SAFER-liner is an excellent thermic insulator.



The SAFER-liner protects the compressed gas against reactions, so your gas is always clean and ready for action.



Lightweight material engineering.

With high quality materials in mind we deliver cylinders that are:
Lighter - Stronger - Safer

PERMABILITY

CONDITION: Temperatur 25°C

Pressure: 1 BAR

PERMABILITY: 100%

GAS	PET (Polyethylene Terephthalate -100% Crystalline)	HDPE (High Density Polyethylene)	LDPE (Low Density Polyethylene)	PVC (Polyvinyl Chloride)
CO2	80 * 10 ⁻¹⁵	3500 * 10 ⁻¹⁵	9400 * 10 ⁻¹⁵	120 * 10 ⁻¹⁵
O2	51 * 10 ⁻¹⁵	780 * 10 ⁻¹⁵	2300 * 10 ⁻¹⁵	35 * 10 ⁻¹⁵
N2	3,6 * 10 ⁻¹⁵	230 * 10 ⁻¹⁵	640 * 10 ⁻¹⁵	8,7 * 10 ⁻¹⁵
H2	640 * 10 ⁻¹⁵	1900 * 10 ⁻¹⁵	7600 * 10 ⁻¹⁵	1300 * 10 ⁻¹⁵
CO2	200 * 10 ⁻¹²	6800 * 10 ⁻¹²	18000 * 10 ⁻¹²	240 * 10 ⁻¹²
O2	72 * 10 ⁻¹²	1100 * 10 ⁻¹²	3200 * 10 ⁻¹²	49 * 10 ⁻¹²
N2	4,4 * 10 ⁻¹²	280 * 10 ⁻¹²	790 * 10 ⁻¹²	11 * 10 ⁻¹²
H2	57 * 10 ⁻¹²	170 * 10 ⁻¹²	680 * 10 ⁻¹²	120 * 10 ⁻¹²



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