



SELF CONTAINED BREATHING APPARATUS

Technical Datasheet

Description

The RHZK SCBA is an open circuit, self-contained, compressed air breathing apparatus. It consists of back plate, carrying harness and pneumatic system, consisting of a cylinder connector, regulator, pressure gauge, whistle and demand valve.

There are also a range of attachments available including electric pressure gauge, communication face mask and adjustable back plate.



Applications

The RHZK is specifically designed as a Professional Fire Fighting SCBA, but is also suitable for providing respiratory protection in an immediately dangerous to life or health atmosphere. (IDLH).

Approval Information

MED Approval, EN136 (1998) including AC (2003); EN137(2006); ISO23269-2:2011

PPE Approval EN137:2006 & EN 136:1998+AC:2003:

Materials

Pressure Reducing Valve	Nickel Plated Brass
High pressure hose	EPDM
Low pressure hose	EPDM
O Ring	EPDM
High Pressure Gauge	Polycarbonate lens
High Pressure Gauge Cover	Rubber
Demand Valve Hose Fitting	Stainless Steel
Face Mask	Silicone
Demand Valve Hose	
High Pressure Hose	
Harness	
Back pad	Fire Retardant Material
Cylinder Band	Fire Retardant Material
Strap Buckles	Fire Retardant Material
Cylinder	Steel or Composite
Cylinder Valve	Nickel Plated Brass

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Maintenance/Serviceing

Maintenance and Servicing must only be performed by trained personnel following the procedures in the Service and Maintenance manual.

Technical Specifications

Regulator

The pressure reducer ensures a stable output pressure regardless of changes in the air pressure in the cylinder and the user's breathing rate.

Maximum input pressure	30MPa
Outlet pressure	0.5+/-0.9MPa
Opening pressure for relief valve	1.2+/-0.2MPa
Working temperature	-30C° - +60C°
Type	Dynamic equilibrium type
Flow restrictor to gauge supply hose	<25Litres minute

Hoses

Stainless steel swivel hose fittings

Medium Pressure Hose

Maximum working pressure	2MPa
Minimum burst pressure	1MPa

High Pressure Hose

Maximum working pressure	400Bar
Minimum burst pressure	600Bar

Weight/Dimensions

With orange carrying case	75*50*30cm	21kg (Empty steel cylinder)
	75*50*30cm	14kg (Empty composite cylinder)