

PROPAK

Questions and Answers ProPak



Question:

What is the ProPak?

Answer:

The ProPak is the latest high technology open-circuit, self contained, compressed air breathing apparatus from Scott Health & Safety. It combines Scott's proven performance and safety features with enhanced user comfort and a range of optional accessories to meet various user requirements.

Question:

Is it approved to the latest standards?

Answer:

Yes, it is approved to prEN137:2002 Class II and the Australian Standard AS1716

Question:

What does the Class II signify?

Answer:

The Class II section of the standard is specifically for breathing apparatus sets which will be used for fire-fighting use and incorporates the full flame engulfment test.

Question:

What does this flame engulfment test involve?

Answer:

The test involves the set being conditioned in an oven at 90°C for 15 minutes; it is then transported to the flame test rig within 30 seconds where it is completely engulfed in flames at 1000°C for 10 seconds. After these flames have been extinguished there should not be any after flame for more than five seconds. The set is then dropped freely from 15cm onto the ground and the harness must retain its integrity and not break. All the time the set's breathing performance must remain within parameters at 25 cycles of 2 litres per minute. This means the ProPak is incredibly durable.

Question:

What material is the harness made from?

Answer:

The harness is manufactured from 100 % Kevlar webbing and the padding is covered by Nomex Delta T. Both the materials are intrinsically flame retardant and give the maximum protection against flame.

Question:

Is the set NFPA approved?

Answer:

The ProPak is not NFPA approved, the two standards (NFPA and EN) are mutually exclusive, i.e. it is not possible to have the same standard on both sets. This is because of conflicting clauses such as type of cylinder connector or the marking on gauges. The NFPA flame engulfment test has effectively been included into Class II of prEN137:2002 so the standards have the same flame test levels.

Question:

What pressure cylinders can the ProPak use?

Answer:

The ProPak cylinder connector will accept both 200 and 300 bar cylinders without having to make any changes.

Question:

What size cylinders can the ProPak use?

Answer:

The ProPak is approved with a full range of cylinders from 3 litre through to 11 litre, both composite and steel.

Question:

What is the cylinder connection type?

Answer:

The cylinder connector is designed to connect into valves with outlets in accordance with EN144-2. This is the standard EN outlet type for breathing apparatus cylinder.

Question:

Is the back-plate anti-static?

Answer:

Yes, the back-plate is loaded with carbon, which gives it anti-static properties.

Question:

Can the ProPak be used with 2 cylinders?

Answer:

The standard ProPak is a single cylinder set, however there is a ProPak Duo available that can be used in single or duo mode.

Question:

Can the ProPak be supplied with attachments?

Answer:

Yes, the ProPak can be supplied with an Airline attachment (AC), which supplies air in and out of the set and is approved to EN139. It can also be supplied with a Rescue Second Man attachment (RSM) to take air out of one set to supply two facemasks. A Decontamination attachment (DC) is also available to put air into the set whilst the wearer is waiting for decontamination. These attachments use CEN type couplings as standard but it is possible to specify different couplings if required.

Question:

Can the ProPak be ordered with a split demand valve?

Answer:

Yes, the ProPak can be supplied with a split demand valve (SDC). The couplings that are used are CEN type couplings.

Question:

What is the weight of the ProPak set?

Answer:

The weight of the ProPak is dependant on the type of cylinder that is being used. The weight of a steel cylinder is greater than a composite cylinder and even the amount of air in the cylinder can have a surprising effect. The set, less the cylinder and the facemask, weighs approx. 3kg.

Question:

Which facemasks can be used with the ProPak?

Answer:

The ProPak can be used with the full range of Scott's European facemasks, Vision 3, Promask PP, Panaseal and Panavisor. These masks are available in a range of different sizes, materials and head harness options.

Question:

Can the ProPak be configured with electronics?

Answer:

Yes, the ProPak can be supplied with the Scott IRIS electronic monitoring and telemetry system. The IRIS provides an Automatic Distress Signal Unit/Personal Alert Safety System (ADSU/PASS) as well as electronic pressure readings, time to whistle and ambient temperature display. IRIS also data logs what is happening to the set and can also be supplied as a telemetry version which sends this information back to an Entry Control Officers base station.

Question:

Is the ProPak user serviceable?

Answer:

The ProPak is fully user serviceable. The user can service and test each part of the set with no need for any of it to be returned to the factory. To carry out this servicing the user must be trained by a qualified person.

Question:

What are the servicing intervals?

Answer:

The standard servicing intervals on the ProPak are sintered filter replacement and test every year and then a full service in year 6, however if the set is tested dynamically every year then there is no mandatory servicing for 10 years.

Question:

Is the ProPak covered by a warranty?

Answer:

Yes, Scott can offer a wide range of warranty options with the ProPak.

Question:

Can existing Contour sets be upgraded to the ProPak?

Answer:

Yes, Scott offer a kit for the Contour set which will upgrade it to the latest specification of the ProPak allowing it to comply with prEN137:2002 Class II.

Question:

Is a carrying case available?

Answer:

Yes, a rigid hard plastic case is available for the ProPak. The hard cases with non-skid surfaces are stackable to permit easy SCBA storage.

Question:

How does the ProPak cylinder retention system work?

Answer:

The retention system uses a durable Kevlar retention strap fastened by means of a cam-over-centre slide and double locking catch. This arrangement easily permits ease of cylinder changes and readily accommodates the complete range of cylinders.

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