



Pressur-Vak II
 Inhalator with overboard discharge 803139 series.

Description

The Pressur-Vak II is a pressure-vacuum system consisting of a new hardshell/softseal facepiece which is available in four sizes (short, regular, long, extra long).

The unit consists of a demand regulator for oxygen and helium-oxygen mixtures, a vacuum regulator to exhaust user's exhalation, a quick disconnect demand and exhaust regulator manifold, and supply and exhaust hose assemblies.

Low pressure gas flows through a lightweight flexible hose to the demand regulator. The exhalation is removed through the vacuum regulator.

The regulator exhaust is connected by a hose to the outside of the chamber. For a pressure differential in excess of 60 feet or water, a second vacuum regulator must be connected between the hose and chamber wall to limit the differential pressure across the vacuum regulator on the manifold. An interlock valve should be an integral part of the system as a safety device to shut down the vacuum should a pressure loss occur. In some cases, the vacuum system may be the differential pressure between the inside and outside of the chamber.

pressure across the vacuum regulator on the manifold. An interlock valve should be an integral part of the system as a safety device to shut down the vacuum should a pressure loss occur. In some cases, the vacuum system may be the differential pressure between the inside and outside of the chamber.

Application

The Pressur-Vak II is used primarily for surface decompression in a recompression chamber and is not intended for use underwater. It may also be used on other applications which require overboard discharge of exhaled gases. The Pressur-Vak II provides oxygen or gas mixture without affecting the chamber environment.

ORDERING INFORMATION:

803139 Basic configuration includes:

- Demand Regulator Assembly
P/N-800954-01
- Exhaust Regulator Assembly
P/N-801274-00
- Hose Assemblies- Demand & Exhaust
P/N-803166-01
- Manifold Assembly
P/N-803100-01
- Face Seal and Harness Assembly
P/N-803152-XX

Features:

- *Long duration comfort with new hardshell/softseal facepiece. Available in four sizes.
- *Interchangeability of facepieces through the use of the new quick disconnect manifold regulator assembly.
- *Exhausts exhaled gases overboard, permitting minimum ventilation of the chamber.
- *Reduces decompression time, using Navy oxygen decompression tables.
- *Optional first stage pressure-reducing regulator permits breathing gas inlet pressures from 300 to 3000 psi. Maintains constant inlet pressure to the demand regulator.
- *Control knob on demand regulator permits constant flow operation.
- *Small diameter pressure and exhaust hoses provide maximum maneuverability.

803139 - XX - XX	
Pressure reducing regulator assembly	Face seal selection
with - press. red. reg. 00	- .01 short
w/out - press. red. reg. 01	- .02 regular
	- .03 long
	- .04 x-long
example:	
basic configuration	803139 00 04
with pressure reducing reg.	
with x-long face seal	



PARTS LIST SCOTT PRESSUR-VAK II 803139-00

Item	Part no.	Description	QTY REQ'D
A-1	**803152-01	Faceseal Assy, short	1
A-2	**803152-02	Faceseal Assy, regular	1
A-3	**803152-03	Faceseal Assy, long	1
A-4	**803152-04	Faceseal Assy, X-long	1
A-5	803115-01	Harness (straps only)	1
B-1	803100-01	Manifold	1
B-2	2800C125A	O-Rings, Regulators to Manifold	2
B-3	21506-0	O-Ring, Manifold	1
B-4	N/A	Illustration only	NA
C-1	**800954-01	Demand Regulator Assy.	1
C-2	800956-00	Case, Regulator, Demand	NA
C-3	26004-01	Diaphragm, Demand Reg.	1
C-4	801276-00	Cover	1
C-5	26010-01	Clamp	1
C-6	26021-01	Valve Stem	1 N/A
C-7	13796-00	Valve Spring	1 N/A
C-8	13685-00	Valve Clamp	1 N/A
D-1	**801274-00	Exhaust Regulator Assy.	1
D-2	801275-00	Case, Regulator, Exhaust	1
D-3	801272-00	Diaphragm & Stem Guide Assy.	1
D-4	10003027	Cover, exhaust Regulator	1
D-5	26010-01	Clamp	1
D-6	800963-00	Exhalation Valve	1
D-7	13796-00	Valve Spring	1
E-1	**803166-01	Dual Hose Assy. Complete	1
E-2	2827-49	Gasket, Demand Hose	1
E-3	26037-09	Demand Hose Assy. 10 ft.	1
E-4	58719-01	Exhaust Hose, 10 ft.	1
E-5	10002573	Hose Grommet	3
E-6	18970-00	Hose Plug, Demand Hose	1
E-7	59852-00	Hose Plug, Exhaust Hose	1
E-8	20433-00	Hose Clamp	2
F-1	59853-00	Quick Disconnect Socket 3/8"	1
F-2	18969-00	Quick Disconnect Socket 1/8"	1
F-3	B-6QDP	Exhaust Plug (59853-00 Socket) Optional	
H-1	**801804-00	Pressure Reducing Reg. Complete	1
H-2	8580-00	Oxygen Coupling	1
H-3	58370-00	Regulator, Pressure Reducing	1
H-4	6818-3	Plug-Regulator	1
F-2	18969-00	Quick Disconnect Socket 1/8"	1

N/A - Not available as spare part

** - Top assemblies

Note: for drawing references, please see next page!



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Scott Divers Inhalator Mask

SCOTT

**Pressur-Vak II
803139 Series**

