

Dräger PAS AirPack 1

Designed using leading technology and materials, Dräger's range of heavy duty airline apparatus is ideal for use where an extended duration of breathing air is called for. Chemical tank cleaning, toxic spillages or certain tasks when working on offshore installations are all made easier and more comfortable when using the Dräger PAS AirPack 1.



INCREASED FREEDOM OF MOVEMENT

Uninterrupted air supply is provided by the trolley-mounted cylinder(s) to the wearer via a hose reel. As the AirPack can be easily re-located and therefore positioned in a safe zone which is in close proximity to working area, the user need only wear a lightweight harness, such as Dräger's PAS Colt, during operation. This allows the wearer a greater freedom of movement, and less stress and fatigue than they would be subjected to if wearing a conventional self contained breathing apparatus unit.

A WELL THOUGHT TROUGH SYSTEM

The Dräger PAS AirPack 1 is able to accommodate up to four compressed air cylinders of up to 12 litres in capacity and is constructed from an anti-static powder coated steel material.

A 50 metre length of hose is supplied with the AirPack 1 as standard, this can be extended to a length of 100 metres with a range of extension hoses. The trolley hose reel connector is protected with a cover to minimise inadvertent damage being caused.

The hose reel is equipped with a winding handle to allow the hose to be easily re-wound onto the reel after use. Outgoing hose distribution is also controlled with a braking system in order to prevent unnecessary unwinding and potential entanglement.

The Dräger PAS AirPack 1 benefits from the world renowned, tried and tested, pneumatics system used on Dräger's successful PSS range of compressed air breathing apparatus. The system incorporates a safety pressure relief valve and the pressure reducer is shrouded in a protective plate for additional safety.

The Airpack has been ergonomically designed to facilitate ease of operation, general handling and mobility.

The Module comprises of:

- Robust welded durable steel frame coated, for corrosion protection, with a tough black anti-static polymeric powder coating.
- Stainless steel fittings.



Dräger PAS AirPack 1
 Extended duration breathing apparatus at its best.

DRÄGER PAS AIRPACK 1 TROLLEY MODULE

Anti-corrosion Polymeric Powder Coating

Pneumatic Arrangement

Hore Drum with Brake Mechanism

Extendable Hose

Twin Cylinder Support Straps

Trolley Frame with Two-wheeled
Fixed Angle



ST-3560-2003

Pneumatics

The Dräger AirPack 1 Trolley module incorporates the following pneumatic elements;

- Pressure reducer suitable for connecting breathable quality air at an input pressure of either 200 or 300 bar.
- Pressure reducer suitable for supplying breathable quality air at an outlet medium pressure of 8bar nominal. (6 to 10 bar)
- Vent valves, to allow for the independent charging if an individual cylinder.
- High Pressure (HP) gauge, indicating cylinder pressure.
- Medium Pressure (MP) gauge, indicating cascade system or ring main pressure.

Safety features

- Pressure relief valve, to relieve medium pressure from air hoses.
- Whistle Warning Unit - High pressure (HPWWU), indicating cylinder pressure to a volume of approximately 55 bar
- Whistle Warning Unit - Medium pressure (MPWWU) for use with independent air line source. Indicating cascade system or ring main pressure at approximately 4.5 bar.

Performance

The high performance pressure reducer assembly of the Dräger AirPack 1 is incorporated in the main pneumatic manifold assembly located behind the control panel. Functioning at inlet pressures of 200 or 300 bar the reducer provides a controlled outlet operating medium bar-pressure supply of 8 bar nominal. (6 to 10 bar). A pressure relief valve, incorporated into the manifold, ensures that any 'over pressure' (possible failure of the reducer) will not enter the medium-pressure airline system.

ORDER INFORMATION

Dräger PAS AirPack 1

Airline trolley, reducer hose reel and 50 metres of hose	33 52 228
Stand alone hose reel	33 52 239
Carry frame and reducer	33 52 241
Trolley excluding hose reel	33 53 008
Quad pack unit to allow the accommodation of 4 cylinders	33 53 471

Dräger PAS Colt Airline Harness Unit Approved to EN139

Complete with Whistle Warning Unit and push-in Lung Demand Valve	33 52 942
Complete with Whistle Warning Unit and Quick Release Coupling*	33 52 948
Complete with Quick Release Coupling but without Whistle Warning Unit*	33 52 947
Complete with push-in Lung Demand Valve but without Whistle Warning Unit	33 52 941

Dräger PAS Airpack Harness

Complete with Whistle Warning Unit and push-in Lung Demand Valve	33 54 483
Complete with Whistle Warning Unit and Quick Release Coupling*	33 54 481
Complete with Quick Release Coupling but without Whistle Warning Unit*	33 54 480
Complete with push-in Lung Demand Valve but without Whistle Warning Unit	33 54 482

Accessories Standard

Dräger Panorama Nova P (EPDM)	R 52 9 72
Dräger Panorama Nova PE (M45 x 3) EPDM	R 51 4 92
Dräger Panorama Nova RA (M40) EPDM	R 52 8 50
Dräger Panorama Nova (Silicone)	R 53 0 70
3 Metre extension hose complete with CEJN	33 52 463
5 Metre extension hose complete with CEJN	33 52 464
10 Metre extension hose complete with CEJN	33 52 465
20 Metre extension hose complete with CEJN	33 52 466
30 Metre extension hose complete with CEJN	33 52 467
50 Metre extension hose complete with CEJN	33 52 468
Y Piece	R 27 9 45
Pressure reducer	33 57 357
Filter unit	AL 0 12 30
Connector set (Output CEJN Female)	AL 0 12 34
Connector set (Input CEJN Male)	AL 0 12 72
Connector set (Input Union nut)	AL 0 12 33

*Units equipped with the Quick Release Coupling will need to purchase the Lung Demand Valve separately



Pressure reducer
For use with a factory ring main.



Filter unit
Remove 99.999% of dirt, oil water vapours and odours.



Dräger Panorama Nova
Full face mask for use with an extensive range of Dräger respiratory protection devices. Available in either EPDM or Silicone.



Y-Piece
For 2 user operation compatible with Euro Couplings.

COMPONENTS



Hose
Assortment of extension hoses are available.



Quad Pack
An extension to allow the accommodation of up to 4 cylinders.



Carry Frame
2 Cylinder carrying with pneumatics.



Stand Alone Hose Reel
Can be used in conjunction with carry frame. Contains 50 m of airline hose.

TECHNICAL DATA

	Dräger PAS AirPack 1 Trolley, Reducer Hose Reel & Hose	Dräger PAS AirPack 1 Carry Frame and Reducer	Dräger PAS AirPack 1 Trolley Excluding Hose Reel	Dräger PAS AirPack 1 Stand Alone Hose Reel
Dräger PAS AirPack 1				
Size excluding cylinder (H x W x D) - Min (mm)	1019 x 465 x 60	888 x 465 x 375	1019 x 465 x 604	520 x 340 x 560
Weight (kg)	40.5	11.5	18	25.5
Input pressure cylinder (bar)	200 or 300	200 or 300	200 or 300	200 or 300
Input pressure Airline (bar)	6 - 10	6 - 10	6 - 10	6 - 10
Nominal 1st stage output pressure (bar)	8	8	8	8
1st stage output flow (l/min)	>600	>600	>600	>600
High pressure whistle activation pressure (bar)	55 - 60	55 - 60	55 - 60	55 - 60
Airline whistle activation pressure (bar)	4 - 5	4 - 5	4 - 5	4 - 5
Whistle sound level (dBA)	>90	>90	>90	>90
Whistle frequency range (Hz)	2000 - 4000	2000 - 4000	2000 - 4000	2000 - 4000
Operating temperature range (°C)	-32 to +70	-32 to +70	-32 to +70	-32 to +70

HEADQUARTERS

Dräger Safety AG & Co. KGaA
Revalstrasse 1
23560 Lübeck, Germany

www.draeger.com

SUBSIDIARIES

AUSTRALIA

Draeger Safety Pacific
Pty. Ltd.
Axxess Corporate Park
Unit 99, 45 Gilby Road
Mt. Waverley. Vic 3149
Tel +61 3 92 65 50 00
Fax +61 3 92 65 50 95

P. R. CHINA

Beijing Fortune Draeger
Safety Equipment Co., Ltd.
A22 Yu An Rd, B Area,
Tianzhu Airport Industrial
Zone Shunyi District,
Beijing 101300
Tel +86 10 80 49 80 00
Fax +86 10 80 49 80 05

FRANCE

Dräger Safety France SAS
3c route de la Fédération
BP 80141
67025 Strasbourg Cedex 1
Tel +33 3 88 40 59 29
Fax +33 3 88 40 76 67

NETHERLANDS

Dräger Safety Nederland B.V.
Edisonstraat 53
2700 AH Zoetermeer
Tel +31 79 344 46 66
Fax +31 79 344 47 90

SINGAPORE

Draeger Safety Asia Pte Ltd
67 Ayer Rajah
Crescent #06-03
Singapore 139950
Tel +65 68 72 92 88
Fax +65 65 12 19 08

REP. OF SOUTH AFRICA

Dräger South Africa (Pty) Ltd.
P.O.Box 68601
Bryanston 2021
Tel +27 11 465 99 59
Fax +27 11 465 69 53

SPAIN

Draeger Safety
Hispania S.A.
Calle Xaudaró 5
28034 Madrid
Tel +34 91 728 34 00
Fax +34 91 729 48 99

UNITED KINGDOM

Draeger Safety UK Ltd.
Blyth Riverside
Business Park
Blyth, Northumberland
NE24 4RG
Tel +44 1670 352 891
Fax +44 1670 356 266