

# Dräger PAS AirPack 1



ST-3688-2/003

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.

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.

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 antistatic polymeric powder coating.
- Stainless steel fittings.



ST-3660-2/003

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

## Dräger PAS AirPack 1 Trolley module

Anti-corrosion Polymeric powder coating

Pneumatic arrangement

Hose drum with brake mechanism

Extendable hose

Twin cylinder support straps

Trolley frame with two-wheeled fixed axle



ST-128-2000

### TECHNICAL DATA

	PAS AirPack 1 Trolley, Reducer Hose Reel & Hose	PAS AirPack 1 Carry Frame and Reducer	PAS AirPack 1 Trolley Excluding Hose Reel	PAS AirPack 1 Stand Alone Hose Reel
Size excluding cylinder (HxWxD) - 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

**Pneumatics**

The AirPack 1 Trolley module incorporates the following pneumatic elements;

- Pressure reducer suitable for connecting breathable quality air at an input pressure of either 200bar or 300bar.
- Pressure reducer suitable for supplying breathable quality air at an outlet medium pressure of 8bar nominal. (6bar to 10bar)
- 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 AirPack 1 is incorporated in the main pneumatic manifold assembly located behind the control panel. Functioning at inlet pressures of 200bar or 300bar the reducer provides a controlled outlet operating medium bar-pressure supply of 8bar nominal. (6bar to 10bar). 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.

**ACCESSORIES STANDARD**

Panorama Nova P (EPDM)	R52972
Panorama Nova PE (M45 x 3) EPDM	R51492
Panorama Nova RA (M40) EPDM	R52850
Panorama Nova (Silicone)	R53070
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	R27945
Pressure reducer	R54620
Filter unit	AL 01230
Connector set (Output CEJN Female)	AL 01234
Connector set (Input CEJN Male)	AL 01272
Connector set (Input Union nut)	AL 01233

\*Units equipped with the quick release coupling will need to purchase the Lung Demand Valve separately

**ACCESSORIES**



**Pressure reducer**  
For use with a factory ring main.



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



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



**Y-Piece**  
For 2 user operation compatible with Euro couplings.



**Hose**  
Assortment of extension hoses are available.

ST-3033-2004

1-305-95

ST-2479-2003

ST-2602-2004

ST-364-97

## COMPONENTS



### 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 50m of airline hose.

## 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
<b>PAS Colt Airline Harness Unit Approved to EN139</b>	
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
<b>PAS Airpack Harness</b>	
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



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.