

## Dräger PAS<sup>®</sup> AirPack 2 Compressed Air Breathing Apparatus

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<sup>®</sup> AirPack 2.



## Benefits

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### Increased freedom of movement

Uninterrupted air supply is provided by the trolley-mounted cylinder(s) to the wearer via a hose reel. As the PAS AirPack 2 can easily be relocated and therefore positioned in a safe zone which is in close proximity to working area, the user only needs to 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 through system

The Dräger PAS AirPack 2 is able to accommodate one or two compressed air cylinders of up to 50 litres in capacity and is constructed from an anti-static powder coated steel material.

The unit can be supplied with a fully approved lifting eye, enabling safe transfer when elevated working areas may be unavoidable. The rear wheel of the trolley also incorporates an easy to administer foot brake, which prevents any inadvertent movement of the unit during operation.

It is available with either one or two pressure reducers and two hose reels allowing joint use of the system or for two completely independent systems to run concurrently. A 50 metre length of hose is supplied with Dräger PAS AirPack 2 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 rewound 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 2 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.

### Pneumatics

The Dräger PAS AirPack 2 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 8 bar nominal (6 to 10 bar).
- Vent valves, to allow for the independent charging of an individual cylinder.
- High Pressure (HP) gauge, indicating cylinder pressure.
- Medium Pressure (MP) gauge, indicating cascade system or ring main pressure

## Benefits

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### 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.
  - Suitable for use in explosive atmospheres (ATEX Zone 1).
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### Performance

The high performance pressure reducer assembly of the Dräger PAS AirPack 2 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 mediumpressure airline system.

## Accessories

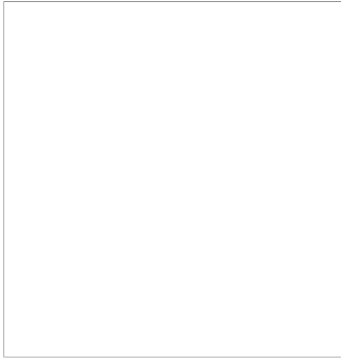
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### different accessories

- 'Y' Piece for 2 users
- Pressure reducer for connection to HP source
- Filter Unit to ensure correct air quality from ring main
- PAS Airline Harness

## Accessories



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**Certified lifting eye**

33 52 239

## Technical Data

<b>Dräger PAS AirPack 2</b>	Dräger PAS AirPack 2 Trolley, Two Pneumatics Two Hose Reels and Lifting Eye	Dräger PAS AirPack 2 Trolley, Two Pneumatics and Two Hose Reels	Dräger PAS AirPack 2 Trolley, One set of Pneumatics, One Hose Reel and Lifting Eye	Dräger PAS AirPack 2 Trolley, One set of Pneumatics and One Hose Reel
Size excluding cylinder (H x W x D) - Min (mm)	1140 x 668 x 1200	1013 x 668 x 1200	1440 x 668 x 1200	1013 x 668 x 1200
Weight (kg)	83.5	81	60	57.5
Input Pressures Cylinder (bar)	200 or 300	200 or 300	200 or 300	200 or 300
Output Pressures Airline (bar)	6 - 9	6 - 9	6 - 9	6 - 9
Nominal 1st stage output Pressure (bar)	8	8	8	8
1 <sup>st</sup> stage output Flow (l/ min)	>600	>600	>600	>600
Whistle Activation Pressure (bar)	55 - 60	55 - 60	55 - 60	55 - 60
Whistle Sound Level (dBA)	>90	>90	>90	>90
Whistle Frequency Range (Hz)	2000 - 4000	2000 - 4000	2000 - 4000	2000 - 4000
Airline Whistle Activation Pressure (bar)	4 - 5	4 - 5	4 - 5	4 - 5
Airline Whistle Sound Level (dBA)	>90	>90	>90	>90
Airline 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

## Ordering Information

### Dräger PAS AirPack 2

Airline Trolley, Two Pneumatics and Two Hose Reels	33 52 276
Airline Trolley, Two Pneumatics, Two Hose Reels and Lifting Eye	33 52 236
Airline Trolley, One set of Pneumatics and One Hose Reel	33 52 994
Airline Trolley, One set of Pneumatics, One Hose Reel and Lifting Eye	33 52 995

### Dräger PAS Colt Airline Harness Unit Approved to EN14593:2005

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 without whistle warning unit*	33 52 947
Complete with push-in Lung Demand Valve without whistle warning unit	33 52 941

## Ordering Information

### 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 without whistle warning unit*	33 54 480
Complete with push-in Lung Demand Valve without Whistle Warning Unit	33 54 482

### Accessories Standard

Dräger Panorama Nova Facemask	Contact Dräger
Dräger FPS 7000 Facemask	Contact Dräger
3 Metre Extension Hose Complete with CEJN	33 52 463
5 Metre Extension Hose Complete with CEJN	AL 0 12 60
10 Metre Extension Hose Complete with CEJN	AL 0 12 61
20 Metre Extension Hose Complete with CEJN	AL 0 12 62
25 Metre Extension Hose Complete with CEJN	33 57 409
30 Metre Extension Hose Complete with CEJN	33 52 467
45 Meter Extension Hose Complete with CEJN	AL 0 12 63
50 Metre Extension Hose Complete with CEJN	33 52 468
Y Piece	R 27 9 45
Pressure Reducer	33 57 357
Dräger PAS F3000	33 59 915
Dräger PAS F3000P	33 59 916
Dräger PAS F5000	33 59 923
Dräger PAS F5000P	33 59 924

\* Units equipped with the Quick Release Coupling, Lung Demand Valve to be ordered separately.

## Notes

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## Notes

### **CORPORATE HEADQUARTERS**

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