**Dräger PAS AirPack 1**

Extended duration breathing apparatus at its best.

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 distribution is also controlled with a braking system in order to prevent unnecessary unwinding and potential entanglement.

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.
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- Stainless steel fittings.
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

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.

TECHNICAL DATA

<table>
<thead>
<tr>
<th></th>
<th>PAS AirPack 1 Trolley, Reducer &amp; Hose</th>
<th>PAS AirPack 1 Carry Frame and Reducer</th>
<th>PAS AirPack 1 Trolley Excluding Hose Reel</th>
<th>PAS AirPack 1 Stand Alone Hose Reel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use excluding cylinder (HxWxD) - Min (mm)</td>
<td>1013 x 469 x 60</td>
<td>863 x 469 x 375</td>
<td>1013 x 469 x 624</td>
<td>520 x 340 x 560</td>
</tr>
<tr>
<td>Weight (Kg)</td>
<td>40.6</td>
<td>11.5</td>
<td>18</td>
<td>25.6</td>
</tr>
<tr>
<td>Input pressure cylinder (bar)</td>
<td>200 or 300</td>
<td>200 or 300</td>
<td>200 or 300</td>
<td>200 or 300</td>
</tr>
<tr>
<td>Input pressure Airline (bar)</td>
<td>6 - 10</td>
<td>6 - 10</td>
<td>6 - 10</td>
<td>6 - 10</td>
</tr>
<tr>
<td>Nominal 1st stage output pressure (bar)</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Max stage output flow (l/min)</td>
<td>900</td>
<td>900</td>
<td>900</td>
<td>900</td>
</tr>
<tr>
<td>High pressure whistle activation pressure (bar)</td>
<td>55 - 60</td>
<td>55 - 60</td>
<td>55 - 60</td>
<td>55 - 60</td>
</tr>
<tr>
<td>Airline whistle activation pressure (bar)</td>
<td>4 - 5</td>
<td>4 - 5</td>
<td>4 - 5</td>
<td>4 - 5</td>
</tr>
<tr>
<td>Whistle sound level (dBA)</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
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<tr>
<td>Whistle frequency range (Hz)</td>
<td>2000 - 4000</td>
<td>2000 - 4000</td>
<td>2000 - 4000</td>
<td>2000 - 4000</td>
</tr>
<tr>
<td>Operating temperature range (°C)</td>
<td>-32 to +70</td>
<td>-32 to +70</td>
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</tr>
</tbody>
</table>

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 R91402
- Panorama Nova RA (M40) EPDM R92560
- Panorama Nova (Silicone) R93607
- 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

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.

*Units equipped with the quick release coupling will need to purchase the Lung Demand Valve separately.*
Dräger PAS AirPack 1 Trolley module

**Anti-corrosion Polymeric powder coating**

**Pneumatic arrangement**

- 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.

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<tr>
<td>Size excluding cylinder (HxWxD) - Min (mm)</td>
<td>1019 x 465 x 60</td>
<td>888 x 465 x 378</td>
<td>1019 x 465 x 804</td>
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<tr>
<td>Weight (Kg)</td>
<td>40.6</td>
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<td>&lt;800</td>
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**Hose drum with brake mechanism**

**Extendable hose**

**Twin cylinder support straps**

**Trolley frame with two-wheeled fixed axle**

**ACCESSORIES STANDARD**

- **Panorama Nova P (EPDM)** R52972
- **Panorama Nova PE (EPDM) (M45 x 3)** R51449
- **Panorama Nova RA (EPDM) EPDM** R52850
- **Panorama Nova (Silicone)** R63070
- **3 Metre extension hose complete with CEJN** 33 52 463
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- **Y Piece** R27845
- **Pressure reducer** R54820
- **Filter unit** AL 01230
- **Connector set (Output CEJN Female)** AL 01234
- **Connector set (Input CEJN Male)** AL 01272
- **Connector set (Input Union nut)** AL 01238

*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.
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**PAS AirPack 1**

PAS AirPack 1 Trolley, Reducer Hose Carry Frame and Trolley Excluding Stand Alone Hose Reel

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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.
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- **Connector set (Input Union nut)** AL 01238

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

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

- **Carry Frame**
  - 3 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 52 229
- **Carry frame and reducer**
  - 33 52 241
- **Siloxy excluding hose reel**
  - 33 52 030
- **Quad pack unit to allow the accommodation of 4 cylinders**
  - 33 53 471
- **PAS Coll Airline Harness Unit Approved to EN139**
  - Quad pack unit to allow the accommodation of up to 4 cylinders.

**PAS Airpack Harness**

- **Complete with push-in Lung Demand Valve but without whistle warning unit**
  - 33 52 941
- **Complete with quick release coupling but without whistle warning unit**
  - 33 52 947
- **Complete with whistle warning unit and quick release coupling**
  - 33 52 948
- **Complete with whistle warning unit and push-in Lung Demand Valve**
  - 33 52 942

**PAS Colt Airline Harness Unit Approved to EN139**

- **Complete with push-in Lung Demand Valve but without whistle warning unit**
  - 33 54 042
- **Complete with quick release coupling but without whistle warning unit**
  - 33 54 046
- **Complete with whistle warning unit and quick release coupling**
  - 33 54 048
- **Complete with push-in Lung Demand Valve but without whistle warning unit**
  - 33 54 044

**Quad pack unit**

- **PAS AirPack**
  - 1

**Dräger PAS AirPack 1**

- **Extended duration breathing apparatus at its best.**

**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 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 shrunked in a protective plate for additional safety.**

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  - Robust welded durable steel frame coated for corrosion protection with a tough black antistatic powder coating.
  - Stainless steel fittings.
Thank you for reading this data sheet.

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

UK Office
Keison Products,
P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.
Tel: +44 (0)330 088 0560
Fax: +44 (0)1245 808399
Email: sales@keison.co.uk

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