

**Automatic Switch Over Valve (ASOV)**

PAS Colt	33 54 140
PAS Micro	33 54 141
Permanent Fit Breathing Apparatus	33 54 142
Occasional use Breathing Apparatus	33 54 244

**Plus Lung Demand Valves**

Push in, Short hose	33 38 700
M45, Short hose	33 38 706
M40, Short hose	33 50 501
ESA, Short hose	33 51 302

**Face Masks**

<b>Panorama Nova P</b>	
Polycarbonate (EPDM)	R52972
Polycarbonate with Supra helmet adaptor (EPDM)	R51853
Polycarbonate coated (EPDM)	R54215
Triplex (EPDM)	R52992
Polycarbonate (Silicone)	R53070
Polycarbonate coated (Silicone)	R54216

**Panorama Nova RA**

Polycarbonate (EPDM)	R52850
Polycarbonate coated (EPDM)	R54219
Triplex (EPDM)	R52860
Polycarbonate (Silicone)	R52855
Polycarbonate coated (Silicone)	R54220
Triplex (Silicone)	R53260

**P2**

Standard thread R440x17" (EPDM)	R54692
Standard thread R440x17" (EPDM) incl. supra helmet adaptor	R54761
Standard thread M45x3 (EPDM)	R54701
Standard thread M45x3 (EPDM) incl. supra helmet adaptor	R54781
Draeger's quick coupling connection (EPDM)	R54697
Draeger's quick coupling connection (EPDM) incl. supra helmet adaptor	R54771
Standard thread R440x17" (Silicone)	R54960
Standard thread R440x17" (Silicone) incl. supra helmet adaptor	R54760
Standard thread M45x3 (Silicone)	R54700
Standard thread M45x3 (Silicone) incl. supra helmet adaptor	R54780
Draeger's quick coupling connection (Silicone)	R54694
Draeger's quick coupling connection (Silicone) incl. supra helmet adaptor	R54770

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**PAS COLT • PAS MICRO  
PAS AIRPACK 1 • PAS AIRPACK 2  
ENGINEERED FOR SAFETY**

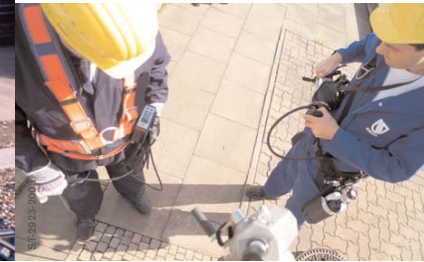
Detection  
Personal Protection  
Systems Technology  
Diving Equipment  
Services

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Draeger takes care of your breathing  
so you can take care of yourself.



#### PROVIDING PROFESSIONAL BREATHING APPARATUS TO THE PROFESSIONALS.

The products of Draeger Safety are tried and tested daily by professionals from around the world.

As a global leader in the field of personal protection and gas detection technology, the products of Draeger Safety are used to save lives under many different sets of circumstances. Fire fighting, mining, chemical and petrochemical production are just some of the areas where our products are put to the test on a daily basis.

Our widespread global network, with over 40 offices around the world, giving representation in over 100 countries allows Draeger Safety products to be purchased, commissioned and serviced no matter where our customers are situated. Having access to this international infra-structure is also of great benefit when it comes to meeting the exact requirements of a varied customer profile. Through constant customer consultation, we are able to produce products which address the user's traits and assist them to the optimum.

The PAS range of heavy duty airline is no different in this respect. Comprising the PAS AirPack 1, PAS AirPack 2, PAS Colt and PAS Micro, the system combines versatility, ease of use and the latest in material technology whilst exactly matching the requirements of the customer. The system has been designed to be as flexible as possible so that each element can be interchanged, when necessary, allowing many different sets of circumstances to be effectively dealt with.

For short duration hazardous work when you need that reassurance and guarantee of quality, the PAS Colt is right by your side.

**DRAEGER HAS DEVELOPED THE PAS COLT TO BE AMONG THE MOST TECHNOLOGICALLY ADVANCED SHORT DURATION AND EMERGENCY ESCAPE UNITS AVAILABLE.**

The PAS Colt utilises the very latest harness design and materials and accompanied by smaller, lightweight cylinders, make wearing this set easier and more comfortable. Its versatility allows it to be used in a number of applications and environments ranging from chemical spills and decontamination operations through to routine tasks.

The distinctive and sophisticated harness design which retains its form, allows the user to quickly don the apparatus. An optional unique 'drop down' feature enabling the cylinder to be un-clipped from the waistbelt makes the PAS Colt ideal for use in confined space entry applications.

The key feature surrounds the construction of the harness. It has been constructed using an anti-static material inert to chemicals and oil, and impervious to most acids and alkalis. The harness also benefits from a high resistance to heat and abrasion, meeting the requirements of EN137 heat and flame resistance, whilst being machine washable.

This material was chosen because of its flexibility and ability to retain its form, whilst being extremely durable under various conditions.

The development of the unit is based upon Draeger's advanced PSS range of breathing apparatus, which are utilised by professional firefighters around the world.

PAS Colt has been fully approved for use in applications requiring either; short duration entry units, airline emergency escape breathing apparatus or dual function.



8T3656-2003

**PAS Colt**  
A compact, hip-mounted life saver.



8T3656-2004



8T3656-2003

**PAS Colt**  
This Hip-mounted breathing device is suited to short term operations.

Any area at any time the PAS Micro gives you the versatile apparatus that makes all the difference.

**DRAEGER HAS DEVELOPED THE PAS MICRO BY INTEGRATING THE LATEST APPARATUS DESIGN WITH A PRODUCT WHICH IS VERSATILE AND EASY TO USE.**

The PAS Micro is an ergonomically designed back-mounted unit, utilising a similar carrying system configuration as traditional harnesses. The harness follows the natural contours of the back, increasing wearer comfort and stability during use.

The hose and pressure reducer have been integrated into the backplate, reducing the risk of snagging, protecting the pressure reducer and adding to the overall streamlined shape of the set.



ST18559-2/003

**PAS Micro**  
A compact, back-mounted life saver.



ST125619-2/004



ST125619-2/004

**PAS Micro**  
This Back-mounted breathing device is suited to short term operations.

The sophisticated harness design which retains its form, has been constructed using an anti-static material inert to chemicals and oil, and impervious to most acids and alkalis. The harness also benefits from a high resistance to heat and abrasion, meeting the requirements of EN137 heat and flame resistance, whilst being machine washable.

This material was chosen because of its flexibility and ability to retain its form, whilst being extremely durable under various conditions.

The buckles used have been designed to be easily located, even when wearing gloves for quick adjustment, without affecting the overall contours of the set.

The development of the unit is based upon Draeger's advanced PSS range of breathing apparatus, which are utilised by professional firefighters around the World.

PAS Micro has been fully approved for use in applications requiring either; short duration entry units, airline emergency escape breathing apparatus or dual function.

Strong, reliable and constant.  
The PAS AirPack 1 takes the pressure so  
you don't have to.

**DRAEGER HAS DEVELOPED A RANGE OF HEAVY DUTY AIRLINE APPARATUS USING LEADING TECHNOLOGY AND MATERIALS TO BE USED WHERE AN EXTENDED DURATION OF BREATHING AIR IS CALLED FOR.**

The PAS AirPack 1 ensures that chemical tank cleaning, toxic spillages and certain tasks relating to offshore installations are all made easier.

A trolley-mounted cylinder(s) ensures that the user is provided with an uninterrupted air supply via a hose reel. Due to its design, AirPack 1 can be easily re-located and positioned in safe zones in close proximity to the user. A major benefit is that the user need only wear a lightweight harness such as Draeger's PAS Colt. This provides the wearer with greater freedom of movement and less fatigue compared to more conventional self contained breathing apparatus.

PAS AirPack 1 is able to accommodate up to four 200 or 300 bar compressed air cylinders up to a maximum of 12 litres in capacity whilst being constructed from anti-static powder coated steel material.

A 50 metre length of hose is supplied as standard, although this can be extended to 100 metres via a range of extensions. In addition, the trolley hose reel connector is protected by a cover to ensure that inadvertent damage is minimised.

A winding handle ensures that the hose can easily be re-wound after use, whilst outgoing hose distribution is controlled with a braking system to prevent potential entanglement.

The development of PAS AirPack 1 is based upon Draeger's World renowned, tried and tested, pneumatics system. The system incorporates a safety pressure relief valve and the pressure reducer is shrouded in a protective plate for additional safety.



ST13660-2003

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



ST13660-2003



ST13601-2004



For extended use the PAS Airpack 2 will give continual supply as long as you need it.

**DRAEGER'S RANGE OF HEAVY DUTY AIRLINE APPARATUS IS IDEAL FOR USE WHERE AN EXTENDED DURATION OF BREATHING AIR IS CALLED FOR.**

The PAS AirPack 2 ensures that chemical tank cleaning, toxic spillages and certain tasks relating to offshore installations are all made easier and more comfortable.

A trolley-mounted cylinder(s) ensures that the user is provided with an uninterrupted air supply via a hose reel. Due to its design, AirPack 2 can be easily re-located and positioned in safe zones in close proximity to the user. A major benefit is that the user need only wear a lightweight harness such as Draeger's PAS Colt. This provides the wearer with greater freedom of movement and less fatigue compared to more conventional self contained breathing apparatus.

PAS AirPack 2 is able to accommodate up to two compressed air cylinders up to a maximum of 50 litres in capacity whilst being constructed from anti-static powder coated steel material. The unit can be

supplied with a fully approved lifting eye, thereby enabling safe transfer when elevated working areas may be unavoidable. The rear wheel of the trolley incorporates a simple to operate foot brake, preventing any inadvertent movement of the unit whilst in operation.

The system provides ultimate flexibility being available with either one or two pressure regulators and two hose reels, allowing joint use of the system or for two completely independent systems to run concurrently.



**PAS AirPack 2**  
Extended duration breathing apparatus at its best.

The Colt, Micro and AirPack systems offer the user almost unlimited flexibility.

FLEXIBILITY IS OFTEN THE KEY TO ANY SUCCESSFUL SYSTEM THE MODULAR NATURE OF THE DRAEGER PAS RANGE OF HEAVY DUTY AIRLINE MAKES IT STRAIGHT FORWARD TO CONSTRUCT A TAILORED ARRANGEMENT TO EXACTLY MATCH YOUR ORGANISATION'S REQUIREMENTS.

Whether you are operating from a factory ring main, a mobile compressor or another source of breathing air, the Draeger range can effortlessly become an integral part of your system. If your application requires Confined Space Entry or even the use of full body protection, the PAS system can easily accommodate your demands.

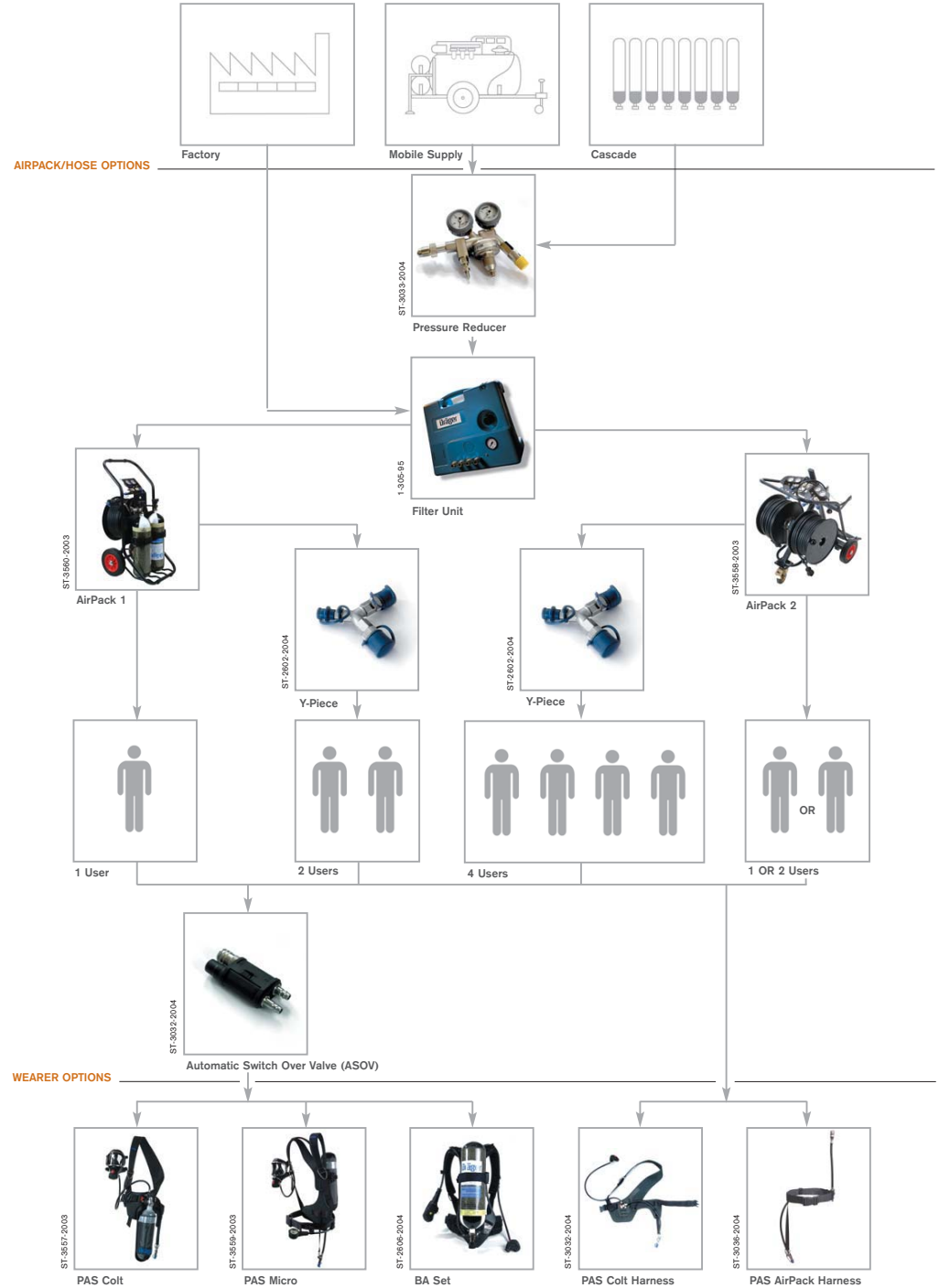


ST-3034-2004



ST-2856-2003

SUPPLY




















Having confidence in our products to do the job is not taken for granted. It is granted.

In this brochure we have provided you with an overview of the heavy duty airline range available from Draeger Safety. The following pages give you the necessary information you should require to order the most suitable system to match your needs.

For each of these products you can request for more detailed information by contacting your nearest Draeger Safety office or distributor. Further information is also available on the Draeger Safety web-site.

**RESPIRATORY PROTECTION**

 <p>PAS Colt</p> <p>ST 13507 2003</p>	 <p>PAS Micro</p> <p>ST 13508 2003</p>	 <p>PAS AirPack 1</p> <p>ST 13601 2003</p>
 <p>Panorama Nova FaceMask</p> <p>ST 146 2000</p>	 <p>F2 FaceMask</p> <p>ST 1011 2004</p>	 <p>PAS AirPack 2</p> <p>ST 13603 2003</p>
 <p>PAS Colt Airline Belt Manifold</p> <p>ST 2044 2004</p>	 <p>PAS Micro Airline Belt Manifold</p> <p>ST 2010 2004</p>	 <p>PAS Colt Airline Harness Unit.</p> <p>ST 0102 2004</p>
 <p>Pressure Reducer</p> <p>ST 3033 2004</p>	 <p>Y-Piece</p> <p>ST 0022 2004</p>	 <p>Filter Unit</p> <p>1-208-06</p>
 <p>PAS AirPack Harness Unit.</p> <p>020109 2004</p>	 <p>Automatic Switch Over Valve (ASOV)</p> <p>021006 2004</p>	 <p>Plus Lung Demand Valve</p> <p>01 9000 2004</p>

**ORDER INFORMATION**

<b>PAS Colt</b>	
Escape unit - Approved to EN402 (includes Lung Demand Valve)	
Carrying system to suit a 2 Litre 200 bar cylinder	33 52 761
Carrying system to suit a 3 Litre 200 bar cylinder	33 52 744
Carrying system to suit a 2 Litre 300 bar cylinder	33 52 778
Escape unit with airline belt manifold - Approved to EN402 (includes Lung Demand Valve)	
Carrying system to suit a 2 Litre 200 bar cylinder	33 52 626
Carrying system to suit a 3 Litre 200 bar cylinder	33 52 413
Carrying system to suit a 2 Litre 300 bar cylinder	33 52 627

Short Duration Entry Unit - Approved to EN137 (With quick release coupling)	
Carrying system to suit a 3 Litre 200 bar cylinder*	33 52 634
Carrying system to suit a 3 Litre 300 bar cylinder*	33 52 920
Carrying system to suit a 2 Litre 300 bar cylinder*	33 52 635

Note: All PAS Colt units can also be supplied with Draeger's unique 'drop down' feature

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

<b>PAS Micro</b>	
Escape unit - Approved to EN402 (includes Lung Demand Valve)	33 52 924
Escape unit with airline belt manifold - Approved to EN402 (includes Lung Demand Valve)	33 52 925
Short duration entry unit complete with quick release coupling - Approved to EN137*	33 52 640

<b>Cylinders and valve assemblies</b>	
2 Litre 200 bar cylinder and valve assembly for escape use	33 52 689
3 Litre 200 bar cylinder and valve assembly for escape use	33 52 690
2 Litre 300 bar cylinder and valve assembly for escape use	33 52 688
3 Litre 300 bar cylinder and valve assembly for escape use	33 52 687
3 Litre 200 bar cylinder and valve assembly for short duration entry use	33 52 684
2 Litre 300 bar cylinder and valve assembly for short duration entry use	33 52 683
3 Litre 300 bar cylinder and valve assembly for short duration entry use	33 52 682

<b>PAS AirPack 1</b>	
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 four cylinders	33 53 471

<b>PAS AirPack 2</b>	
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

<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

<b>Accessories</b>	
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	AL 01234

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