

Personal Airline System PAS Colt



Preliminary Data Sheet

Combining versatility, ease of use and the latest in breathing apparatus design, Draeger's Personal Airline System, the PAS Colt is among the most technologically advanced short duration and emergency escape units available.

The PAS Colt is a Supplied Airline Respirator (Combination Pressure Demand, Type "C") with a 5 or 10-minute self-contained air cylinder for emergency use. The PAS Colt, is NIOSH approved for entry and escape, and may be used in the supplied air mode up to 300 feet or 12 hose length sections from the air source, whichever is greater.

The very latest harness design and materials, accompanied by lightweight cylinders, make wearing the ergonomically designed PAS Colt stable and comfortable. The versatility allows it to be used effectively in applications and environments ranging from chemical spills and decontamination operations to routine maintenance tasks.

The PAS Colt is a hip-mounted unit with a distinctive, sophisticated harness design which retains its form, making it easy for the wearer to don the apparatus simply and quickly.

The procedure for donning the apparatus is evident at first glance, even to the inexperienced user. Equipped, as an option, the unique 'drop down' feature where the cylinder can be un-clipped from the waistbelt, makes the PSS Colt ideal for use in confined space entry applications. The harness has been constructed using an anti-static material inert to chemicals and oil, and impervious to most acids and alkalis. Benefiting from a high resistance to abrasion and heat, this new harness meets the requirements of EN137 heat and flame resistance. This means that the unit operates trouble free over temperature range of -22°F to 140°F and will self-extinguish within 5 sec after exposure to flame temperature of 1742°F plus or minus 122°F. The Micro also is fully machine washable.

This material was chosen because of its flexibility and ability to retain its form and shape, in a wide range of temperatures. Its durability, ease of cleaning, resilience and strength means it is ideal for use in extreme conditions. The technology used in the development of this unit is inherited from Draeger's advanced PSS® range of breathing apparatus, designed for professional fire fighters. The buckles used are designed to be easily located, even when wearing gloves, for quick adjustment. The Buckles follow the contours of the unit to reduce the risk of snagging.

Should the airline supply fail for any reason, the escape cylinder would be employed by simply opening the cylinder valve. **New to our SAR system is the optional Low Pressure Airline warning whistle which activates in the event that the incoming air pressure drops below safe levels.**

The PAS Colt includes the versatile Draeger Panorama Nova full facepiece with triple sealing edges for a superior fit, and a speech diaphragm for clear communications. Three sizes in one mask is also compatible with other Draeger compressed air respiratory products.

TECHNICAL DATA

	5 Minute Colt	10 Minute Colt
Size complete unit with mask (HxWxD)		
Weight complete unit with mask/air (lbs)		
Mask Body Material	EPDM or Silicone	EPDM or Silicone
Harness Material	Etylene Vinyl Acetate & Flame Retardant Nylon	
Cylinder Pressure (psig)	2216 Aluminum	3000 Hoop Wrap
Cylinder and Valve Weight - empty	4.7. lbs	5.5 lbs
Airline Pressure (psig)	870 - 0130	870 - 0130
Pressure Reducer Output, 1st stage (l/m)	>1000	>1000
LDV output, 2nd stage (l/m)	>550	>550
Airline Whistle Activation (psig)*	58 - 72	58 - 72
Airline Whistle sound level ((dBA)*	>90	>90
Airline Whistle Frequency Range (Hz)*	2000 - 4000	2000 - 4000
Operation Temperature (f)	125 to 158	125 to 158

*Optional on Airline Units

ORDERING INFORMATION

COLT 5 Min 2216psi Work Unit w/ Mask	4057539	Spare Cylinders	
COLT 5 Min 2216psi Work Unit w/o Mask	4057540	5 min 2216psi Aluminum Std. Valve	4054744
COLT 10 Min 3000psi AL Work Unit w/ Mask	4057541	5 min 3000psi Aluminum SCBA Valve	4059260
COLT 10 Min 3000psi AL Work Unit w/ Mask	4057542	10 min 3000psi Hoop Wrap Std. Valve	4054962
A variety of NIOSH approved airline hose and fittings are available. Hansen brass fitting included.		10 min 3000psi Hoop Wrap SCBA Valve	4057057

Installed Options

Installed, 5 min 2216psi AL Cyl w/ SCBA Valve	4057543
Installed, 5 min 3000psi Hoop Cyl w/ SCBA Valve	4057544
Installed, 10 min 3000psi Hoop Cyl w/ SCBA Valve	4057545
Installed, Metal Waist Buckle	4057546
Installed, Air Line Low Pressure Whistle, Colt	4057538

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