

## Dräger PAS ASV (Automatic Switch over Valve)

The Dräger Automatic Switch over Valve (PAS ASV) enables the user to connect compressed air breathing apparatus to an external air supply, such as a factory ring main, and be safe in the knowledge that if the external supply were to fail, there would be a safe and uninterrupted transition to the wearer's back-up air supply.



The Dräger PAS ASV connects between the output of the compressed air breathing apparatus first stage pressure reducer and the lung demand valve. An additional input connection is attached to the primary air source, the airline supply.

If this supply fails or the input pressure drops below the Dräger PAS ASV switching pressure of 4 to 5 bar, then the valve will automatically switch to the compressed air breathing apparatus for its supply of air. Upon carrying out this function a warning will sound alerting the wearer that this process has taken place.

The warning will continue sounding until either, the wearer leaves the hazardous area and doffs the equipment, or the airline air source rises back above the switching pressure of between 5.0 and 5.8 bar. If the latter occurs the valve will automatically switch back to the airline source of air and the wearer can continue with their task.

During the switch over operation the Dräger PAS ASV maintains positive pressure within the facemask at all times, ensuring the breathing apparatus wearer is provided with optimum protection throughout their wearing duration.

- Fully automatic switching with no interruption to supply
- Positive pressure maintained at all times
- Functions down to -30 °C
- Easily integrates into the compressed air breathing apparatus
- Airline connection can withstand up to 1000 N pull test
- Quick fit versions available for easy integration with compressed air breathing apparatus and chemical protection suits
- Can be used in conjunction with chemical protection suit ventilation systems.



**Dräger PAS Colt**  
fitted with the Dräger PAS ASV



**Dräger PSS 90**  
fitted with the Dräger PAS ASV

## ORDER INFORMATION

### Dräger PAS ASV

PAS ASV - Permanent fit for PAS Colt	33 54 140
PAS ASV - Permanent fit for PAS Micro	33 54 141
PAS ASV - Permanent fit for SCBA	33 54 142
PAS ASV - Occasional fit for SCBA	33 54 244
PAS ASV - Occasional fit for SCBA c/w CPS	33 54 568
PAS ASV - All Quick Release Coupling (QRC)	33 54 405
PAS ASV - Occasional fit for PSS7000	33 55 844
PAS ASV - Occasional fit for PSS7000 c/w CPS	33 57 007
PAS ASV - Permanent fit for PSS7000	33 57 618
PAS ASV - Permanent fit for PSS7000 c/w CPS	33 57 733

## TECHNICAL DATA

Weight (g)	350
Dimensions (L x W x H) (mm)	130 x 54 x 32
Supply pressures (bar)	Compressed Air Breathing Apparatus - Nominal 7.5 External air source 6.0 to 10.0
Switching pressures (bar)	from external source 4.0 to 5.0 Back to external air source 5.0 to 5.8
Warning device volume (dBA)	90
Operating temperature range (°C)	-30 to +70
Approvals	EN14593 pt1 and EN137**

\*\*for use with Compressed Air Breathing Apparatus approved to EN137 or EN402

### HEADQUARTERS:

Dräger Safety AG & Co. KGaA  
Revalstrasse 1  
23560 Lübeck, Germany

[www.draeger.com](http://www.draeger.com)

### SUBSIDIARIES:

#### AUSTRALIA

Draeger Safety Pacific Pty. Ltd.  
Axess Corporate Park  
Unit 99, 45 Gilby Road  
Mt. Waverley. Vic 3149  
Tel +61 3 92 65 50 00  
Fax +61 3 92 65 50 95

#### CANADA

Draeger Canada Ltd.  
7555 Danbro Crescent  
Mississauga,  
Ontario L5N 6P9  
Tel +1 905 821 89 88  
Fax +1 905 821 25 65

### P. R. CHINA

Beijing Fortune Draeger  
Safety Equipment Co., Ltd.  
Yu An Lu A 22, B Area  
Beijing Tianzhu Airport  
Industrial Zone  
Houshayu Shunyi District  
Beijing 101300  
Tel +86 10 80 49 80 00  
Fax +86 10 80 49 80-05

### FRANCE

Dräger Safety France SAS  
3c route de la Fédération,  
BP 80141  
67025 Strasbourg Cedex 5  
Tel +33 3 88 40 59 29  
Fax +33 3 88 40 76 67

### USA

Draeger Safety, Inc.  
101 Technology Drive  
Pittsburgh, PA 15275  
Tel +1 412 787 83 83  
Fax +1 412 787 22 07

### MEXICO

Draeger Safety S.A. de C.V.  
Av. Peñuelas No. 5  
Bodega No. 37  
Fraccionamiento Industrial  
San Pedrito  
Querétaro, Oro México  
Tel +52 442 246-1113  
Fax +52 442 246-1114

### NETHERLANDS

Dräger Safety Nederland B.V.  
Edisonstraat 53  
2700 AH Zoetermeer  
Tel +31 79 344 46 66  
Fax +31 79 344 47 90

### REP. OF SOUTH AFRICA

Dräger South Africa (Pty) Ltd.  
P.O.Box 68601  
Bryanston 2021  
Tel +27 11 465 99 59  
Fax +27 11 465 69 53

### SINGAPORE

Draeger Safety Asia Pte. Ltd.  
67 Ayer Rajah Crescent # 06 03  
139950 Singapore  
Tel +65 68 72 92 88  
Fax +65 67 73 20 33

### SPAIN

Draeger Safety Hispania S.A.  
Calle Xaudaró 5  
28034 Madrid  
Tel +34 91 728 34 00  
Fax +34 91 729 48 99

### UNITED KINGDOM

Draeger Safety UK Ltd.  
Blyth Riverside Business Park  
Blyth, Northumberland  
NE24 4RG  
Tel +44 1670 352 891  
Fax +44 1670 356 266