

DrägerMan PSS® 90

Specially designed for today's professional fire-fighter.



DrägerMan PSS® 90

System Overview



DrägerMan PSS® 90 Bodyguard® II	5551292
DrägerMan PSS® 90 Bodyguard® II (non twin)	5551295
DrägerMan PSS® 90 Bodyguard® II - Tally	5551297
DrägerMan PSS® 90 Bodyguard® II -Tally (non twin)	5551296
DrägerMan PSS® 90 D Bodyguard® II	5551527
DrägerMan Bodyguard® II – Tally mode	5550820
DrägerMan Bodyguard® II	5550821
IR Link II Software CD Kit	5551542



Panorama Nova P (EPDM)	R52972
Panorama Nova PE (M45 x 3) EPDM	R51492
Panorama Nova RA (M40) EPDM	R52850
Panorama Nova (Silicone)	R55070



F2 RA (EPDM)	R54692
F2 P (EPDM)	R54697
F2 RA (Silicone)	R54690
F2 P (Silicone)	R54694



DrägerMan PSS®90	5551290
DrägerMan PSS®90 (non twin)	5551291
DrägerMan PSS®90 D	5551526

Lung Demand Valve

Push in Short Hose	5558700
Push in Long Hose	5558701
M45, Short Hose	5558706
M45, Long Hose	5558707
M40, Normal Demand Short Hose	5550501
M40, Normal Demand Long Hose	5558710
M40, Normal Demand (1.75m Hose)	5550606

Accessories/Options

Waistbelt with Metal Centre Buckle	5551277
Backplate & Harness Upgrade PSS®90	5551557
Harness Upgrade PSS®90	5551558
Personal Line Loop	5554968
Shoulder D Ring Loop	5555241
Airline Belt Manifold (for use with airline only)	5557600
Second LDVConnection Female Decontamination Hose	5557650
Decontamination Hose Quick Release Male	5557652
T Piece (for 2 x 6.8 litre 500 bar carbon cylinders)	5557662
Inverted Y Piece (for 2 x 4 litre 200 bar cylinders)	5559615
Twin Pack Kit (for 2 x 9 litre 200 bar carbon cylinders)	5559126
LDV Retainer (push in)	5559270

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Dräger
S A F E T Y



The Quality Management system of Draeger Safety UK Limited is certified per BS EN ISO 9001 as well as by numerous organisations in many different countries.

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DrägerMan PSS® 90

The Personal Safety System



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No Compromise Breathing Apparatus for Professionals

Draeger has led the way in the design of technically advanced respiratory protection equipment for more than a century. Through continuous product improvement and investment in technology, we have developed a range of products which takes compressed air breathing equipment to a new dimension of personal safety.

PSS® 90 is the newest addition to Draeger's family of Personal Safety Systems. Fitted with Draeger's high performance advanced 'Plus' pneumatics, this self contained breathing apparatus comes with the new PSS® enhanced carrying harness. This means that all of the weight of the apparatus can now be placed comfortably and securely where it should be - on the hips - in line with the body's centre of gravity.

Utilising hard wearing materials, improved padding, new adjustment technology, and combining Draeger's famous pull forward waist adjustment, the PSS® 90 ensures that donning and wearing of professional Breathing Apparatus has never been so simple or trouble free.



Improved Wearer Comfort

The PSS® 90 features an orthopaedically designed backplate moulded from glass-filled polyamide with carbon fibre for resilience and strength. Following the natural contours of the back and attached securely to the fully padded waistbelt assembly, the result is a carrying system which ensures that the weight of the apparatus and cylinders is concentrated on the hips - thereby reducing backstrain, stress and fatigue.

Rugged Design

Designed to endure the harsh environments within which today's fire and rescue professionals are expected to perform, every component is manufactured to a high degree of chemical, heat and flame resistance. PSS® 90 is fully designed and tested to comply with the highest flame engulfment standards in the world, including NFPA 1981:1997 and PrEN 137. The anti-static composite backplate, incorporating moulded carrying handles, is flexible and impact resistant without compromising wearing comfort.

The materials used throughout have been carefully chosen to provide the greatest possible chemical and wear resistance, including a high proportion of Kevlar™, Nomex™ and other aramid materials.

Adaptable

The PSS® 90 will accommodate all common cylinder configurations from a single 4.0 Litre steel to Draeger's own manufactured twin 9.0 Litre carbon fully wrapped cylinders, with only a minor adjustment to the Nomex™ cylinder band which incorporates a cam lock design locking mechanism.

The PSS® 90 can also be modified to accept Draeger's dedicated Twinpack arrangement.

Draeger's PSS® family is founded on a modular approach, which means that a range of options is available to provide the perfect solution to any application.



Reliable

Utilises the proven 'Plus' pneumatic system, requiring minimum maintenance year on year and featuring Draeger's unique medium pressure driven whistle warning unit, which is integrated into the fully luminescent pressure gauge for snag resistant streamlined handling. Other features include built in compatibility with electronic monitoring options, ChargAir™ port for quick filling and our patented safety pressure relief valve.

Lung Demand Valve

The Plus Lung Demand Valve carries on Draeger's tradition of balanced piston designs offering stability, quiet operation and, of course, is first breath activated. A centrally located switch off button and tough wrap around silicone cover are incorporated in a modern streamlined shape for easy handling-even when wearing gloves.

Flexibility

The PSS® 90 is Draeger's flexible professional choice which allows the final configuration of pressure and safety monitoring to be a matter of customer choice according to budget. Regardless of the level at which you start there is a cost effective upgrade available for higher sophistication:

Standard Gauge - incorporating mechanical pressure gauge with medium pressure driven whistle

Bodyguard® II - Our most sophisticated solution yet :

- Digital pressure reading
- Illuminated display
- Temperature reading
- Personal alarm (ADSU / PASS)
- Manual panic alarm
- Automatic 'Time to Whistle' calculation
- Second LP (EOSTI) warning - flashing LEDs
- LP warning - medium pressure driven whistle
- IR Port for parameter maintenance and datalogging
- Telemetry ready



PSS 90, an Advanced Compressed Air Breathing Apparatus