

AirBoss PSS100[®] Plus SCBA



The new AirBoss PSS100[®] Plus SCBA has the world's first fully adjustable SCBA back plate. Using Draeger's proven pneumatics, fully adjustable back plate, and harness suspension system, the PSS100[®] Plus SCBA provides exceptional comfort, maneuverability, and safety in the most demanding of conditions. The AirBoss PSS100[®] Plus SCBA is designed to achieve a tailor-made fit with any torso length.

The harness suspension system is made from a unique blend of Kevlar/Aramid/Ublend material that provides excellent abrasion resistance and strength. Even when wearing gloves, donning and doffing the AirBoss PSS100 Plus SCBA is easier, due to the new larger low profile friction buckles.

The lung demand valve (LDV Plus) used on the AirBoss PSS100[®] Plus series, is first-breath activated. The LDV Plus provides a reliable and stable air supply with low breathing resistance.

The AirBoss PSS100[®] Plus Series incorporates the Sentinel (II), a fully electronic monitoring system that provides valuable information to the fire fighter. The Sentinel (II) is compact, lightweight with an easy to read large and clear backlight luminescent display. The AirBoss PSS100[®] Plus series continues to demonstrate Draeger's commitment to Technology for Life.

Features:

- Fully adjustable 3-position ergonomic back plate and harness suspension system
- Lightweight carbon composite back plate
- Fail-safe first stage reducer
- LDV Plus delivers >550 l/m
- Easy to use doffing switch on LDV
- One size fits all Panorama Nova Mask
- Panorama Nova Mask provides superior field of vision
- Spectacle kits available for Panorama Nova Mask
- Multi-Link auxiliary airline system available in 20" or 40" lengths

Technical data

Approvals:	NIOSH/MSHA certified NFPA compliant to standard 1981/1997 edition Sentinel II and IPASS II compliant to 1982/1998 edition
Operating Temperature:	-25° F to 160° F (-32° C to 70° C) NFPA - 1981 Flame test (2000° F for 10 seconds)
Pressure Demand Regulator - LDV Plus:	No Cross Contamination Flow Rate: >550 l/m Activation: First breath Bypass: Press or turn to lock Connection: Positive lock plug-in
Pressure Reducer:	Flow Rate >1000 l/m Medium Pressure 90-130 psi
Warning Whistle:	>90 dBA Non-aspirating Chest mounted
Back Plate Dimensions:	Length: Approximately 28.5 in. (584 mm) Width: Approximately 11 in. (279 mm) Thickness: Approximately 0.25 in. (6 mm) (less cylinder)
Warranty:	Limited Lifetime

Weight (Approximate)	Unit Weight*	Full Cylinder Weight
Basic Unit with Mask	9.1 lbs. (4.1kg)	—
4500 psi/60 min. Carbon Composite	26.7 lbs. (12.1kg)	17.6 lbs. (7.9kg)
4500 psi/45 min. Carbon Composite	22.9 lbs. (10.3kg)	13.8 lbs. (6.2kg)
4500 psi/30 min. Carbon Composite	19.8 lbs. (8.9kg)	10.7 lbs. (4.8kg)
4500 psi/45 min. Composite	29.4 lbs. (13.3kg)	20.3 lbs. (9.2kg)
4500 psi/30 min. Composite	21.8 lbs. (9.8kg)	12.7 lbs. (5.7kg)
2216 psi/30 min. Composite	22.3 lbs. (10.1kg)	13.2 lbs. (5.9kg)
2216 psi/30 min. Hoop wrapped	25.2 lbs. (11.4kg)	16.1 lbs. (7.3kg)
2216 psi/30 min. Aluminum	30.4 lbs. (13.7kg)	21.3 lbs. (9.6kg)
2216 psi/30 min. Carbon Composite	20.4 lbs. (9.2kg)	11.3 lbs. (5.1kg)