

DATA SHEET

Sundström PAPR SR500

(powered air purifying respirator)



Updated: 16 Apr 2007

Description: Battery-powered, fan-assisted air-purifying respirator that can be used as an alternative to negative-pressure filter respirators where these are recommended. This applies particularly to extended periods of hard work in warm conditions.

The fan can be used with Sundström hoods, face shields or full face masks. The fan unit is fitted with a suitable filter, and the filtered air is fed through a hose to the facepiece.

Product name: Sundström SR500 powered air purifying respirator

- Features:**
- Lithium-ion battery with a useful life of 500 recharging cycles
 - Battery available as Standard (STD) or Heavy Duty (HD)
 - Battery recharge time: approximately 1.5 h (STD), 2 h (HD)
 - Supplied with 2 filters
 - Operating time up to 13 h
 - Single control for on, off and operating status
 - Automatic air flow control
 - Can be used with hood, shield or full face mask

- Visual display:**
- Normal operation
 - Boost fan operation
 - Dip in air flow/clogged particle filters
 - Battery low
 - Air flow obstruction

- Air flow rate:**
- 175 l/min (normal operation)
 - 225 l/min (boost fan operation)

- Battery:**
- 14.8 V, 2.2 Ah, lithium-ion (STD)
 - 14.8 V, 3.6 Ah, lithium-ion (HD)

Operating time:

Filter	Normal mode (h)		Boost fan mode (h)	
	STD batt	HD batt	STD batt	HD batt
P3	8	13	5	8
A2P3, ABE1P3	6	10	3.5	6
A1BE2K1P3	5	8.5	3	5

- Temperature range:**
- Operation: -10°C to +55°C (14°F to +131°F) at <90% relative humidity
 - Storage: -20°C to +55°C (-4°F to +131°F) at <90% relative humidity

Low flow warning: <175 l/min

Filter thread: Rd 44 x 1/7"

Weight:

Fan unit with belt and...		
<i>Filter</i>	<i>STD batt</i>	<i>HD batt</i>
P3	1,490 g (3.3 lbs)	1,680 g (3.7 lbs)
A2P3	1,960 g (4.3 lbs)	2,150 g (4.7 lbs)
A1PE2K1P3	2,210 g (4.9 lbs)	2,400 g (5.3 lbs)