
Data Sheet: Sundström SR500



Gas & particles PAPR

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.

Features

- Lithium-ion battery
- Battery available as Standard (STD) or Heavy Duty (HD)
- Battery recharge time: approximately 1.5 h (STD), 2 h (HD)
- Supplied with 2 filters/filter combinations
- Operating time up to 12 h
- Single control for on, off and operating status
- Automatic air flow control
- Can be used with a variety of Sundström hoods, shields 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)
- 240 l/min (boost operation)

Battery

14.4 V, 2.25 Ah, lithium-ion (STD), energy density* 30.4 Wh (7.6 Wh/cell)
14.4 V, 3.5 Ah, lithium-ion (HD), energy density* 50.88 Wh (12.72 Wh/cell)

*) Energy density refers to new generation batteries — available late 2021

Operating time

<i>FILTER</i>	<i>NORMAL MODE</i>		<i>BOOST MODE</i>	
	STD batt	HD batt	STD batt	HD batt
P3	7 h	12 h	-	7 h
A1BE2K1P3	4 h	7.5 h	-	4 h

Temperature range Operation: –10°C to +55°C at <90% RH
Storage: –20°C to +55°C at <90% RH

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	1,680 g
A2P3	1,960 g	2,150 g
A1BE2K1P3	2,210 g	2,400 g

IP rating IP67 (Ingress Protection)
Particles: 6 — protected against all dust — 'dust-tight'
Liquids: 7 — protected against immersion for 30 minutes in water to a depth of 1 metre)