

Technical specification (EU Version)



Type	swiss air Powered Air Purifying Respirator (PAPR), battery powered	
Part No.	4700.010 / 4700.005 (without control panel)	
Protection level	TH3 (EN12941)	
Blower unit	Flow rates:	Level 1: min. 100 l/min Level 2: min. 115 l/min Level 3: min. 130 l/min all Levels controlled
	Material:	PA66 GF30
	Fan:	high quality ball beared motor
	Fuse:	electronic fuse
	Noise:	max. 70db (A)
	Alarm:	optical (with swiss air Control panel) and audible alarm for low / very low battery, clogged filter, no filter, and low flow Low battery: alarm period: 3.0s (1.5s on, 1.5s off) Filter: alarm period 0.5s (0.25s on, 0.25s off)
	Dimensions (l x w x h):	250 x 170 x 50 mm
	Weight:	1200 g / 42.328 oz (incl. filter, harness and battery) 550 g / 19,400 oz (excl. harness and battery)
	Colour:	black
Mask	Material:	POM, ripstop textile (98% polyester and 2% polyurethanes) Polyurethane foam
	Colour:	black
	Valve:	2 x exhalation valve with silicone membrane
Headband / neckband	Material:	Neoprene / elastic band
	Colour:	black
Particlefilter	Quantity:	1
	Type	TH3P R SL filter for TH3P system (EU) with prefilter
Hose	Length:	180 mm (elastic up to 355mm excl. Y-hose)
	Diameter:	21 mm (inside)
	Weight:	125g / 4.4 oz (incl. Y-Hose)
	Colour:	black
	Material:	POM and silicone
Battery	Type:	Lithium-Ion rechargeable
	Voltage / capacity:	3,6 V / 6,5 Ah / 23.4Wh
	Charging cycles:	< 500
	Operating time level 1*	12
	Operating time level 2*	10
	Operating time level 3*	6
	Charging time:	approx. 6h
	Weight:	150g / 5.3 oz
	Colour:	black
	Protective circuit:	electronic, reset by connection to charger via USB-C

*min. operating time is with new filter at room temperature

Control panel	With battery and filter status, infinitely adjustable air flow. Altitude and temperature compensation.
Charger	max. 15W, CE, UL 2725, ROHS and REACH compliance
Charging cable	USB-C female (battery site), CE, UL 2725, ROHS and REACH compliant, max. 3000mm
Operating and storage temperature	-5°C to +55°C (without condensation)
Battery charging temp.	+0°C to +45°C (without condensation)
Sleep Mode	after 3 hours, activation by pressing once, start at second press
Standards	EN 12941/ EN 12942 Europe: TH3, TM3 Australia: PAPR-P3 AS/NZS 1716 EAC TP TC 019/2011
Notified body	CE 1024
Scope of delivery	swiss air blower unit with hose, mask, TH3P/TM3P R SL filter, battery, harness, charger, charging cable user instructions and transport bag.
Warranty (blower)	from date of purchase: 2 years for manufacturing and material defects, 6 months for battery
Note!	The optrel swiss air respiratory system may NOT be used in environments where there is an immediate danger to health or life (IDLH), in atmospheres containing less than 17% (Europe) oxygen or where the concentration of toxins is so high that a protection class in excess of TH3 (EU) is required. It is NOT evaluated as an ignition source in flammable or explosive atmospheres.

4700.005



4700.010

