

TECHNICAL DATA SHEET

CONCEPT AIR POWER UNIT



DESCRIPTION

The ConceptAir R23/2000PLUS Power Unit is an EN 12942 TH2P certified system complete with integral audible and visual alarms for low battery and blocked filter indication. The Power Unit is supplied in kit form with a range of approved headpieces.

Typical applications are construction dust, welding, engineering and maintenance.



SPECIFICATION

Product Code	R23/2000PLUS
Weight Blower, battery, belt, filter	1100g
Air Flow	Typically 200l/min (MDF 140l/min)
Battery Duration	8-9 hours (dependant on condition of filter and battery)
For use with:	Concept Air Helmet/Visor, Concept Air Visor, Concept Air Welding Helmet

MATERIALS

Belt	Buckle - Nylon; Webbing – Polypropylene
Blower & Battery Case	ABS / Polycarbonate
Battery cells	Lithium-Ion (Li-Ion)
Filter	Pleated glass micro fibre. Odour filter – addition of polyester matting impregnated with carbon
Filter Frame	ABS
Pre-filter	Std – Polyester matting;

EUROPEAN STANDARDS

Product Code	Certified to EN 12941	Nominal Protection Factor (NPF)	Assigned protection Factor (APF)
	TH2P	50	20
R23/2000PLUS	✓	✓	✓

ACCESSORIES

Filters	R23P2/5	Particulate Filter TH2P - 99.9% Viral Filter Effectiveness
	R23P2OD/5	Particulate Filter TH2P with Nuisance Odour - 99.9% Viral Filter Effectiveness
	M23P3/5	Particulate Filter TH2P - 99.99% Viral Filter Effectiveness
Pre-filters	R23PF/10	Pre-filter
Battery	R23BLI	Replacement Battery
Charger	R23BCLI	Replacement Battery Charger

STORAGE AND MAINTENANCE

Storage	The power unit must be stored in a clean dry atmosphere within the temperature range +5 °C to +55 °C at R.H. < 90% in its original packaging. Ideal storage conditions are +5 °C to +35°C R.H. < 60%. Transport in original packaging. If stored in correct conditions the product has a 5-year shelf life.
Lifetime	The battery is rated for 500 discharge / recharge cycles. Excessive wear and tear can considerably reduce the lifespan of the product.
Cleaning	Clean using warm soapy water and a soft cloth. Do not allow any liquids to enter the electrical contacts. Do not immerse the unit. Disinfection: The products may be cleaned using a >=1% to <2.5% Sodium Hypochlorite (NaOCl) and/or Sodium Hydroxide (NaOH) solution in order to disinfect and prevent cross contamination. Prolonged exposure to, and or immersion in bleaches is not recommended. The products are not suitable for cleaning by Autoclave process. Compatible branded cleaning/disinfection agents includes Distel (manufactured by Tristel Solutions Ltd) at a dilution of 1:10 in accordance with manufacturer's recommendations. Take care to ensure electrical contacts are dry before use.
Disposal	Recycle. Look out for the recycling symbol for the material category.