

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 R23P2OD/5 M23P3/5 | Particulate Filter TH2P - 99.9% Viral Filter Effectiveness Particulate Filter TH2P with Nuisance Odour - 99.9% Viral Filter Effectiveness 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. |