

TECHNICAL DATA SHEET

CONCEPT AIR KIT – R23FUVNKIT

DESCRIPTION

The ConceptAir R23FUVNKIT Powered Respirator is an EN12941 TH2P certified system complete with Power Unit, Lightweight Visor Headpiece, Hose, Plastic Coated Belt, 2 x Batteries, P3 HEPA Filter and Battery Charger.

The Powered Respirator is designed for healthcare, engineering, manufacturing and maintenance applications for protection against particulate hazards, including bacteria, virus and solid and liquid aerosols.



SPECIFICATION

Product Code	R23FUVNKIT		
Weight	Power Unit, battery, belt, filter	Headpiece	Hose
	1041g	493g	217g
Air Flow	Typically 200 L/min		
Filter	99.99% Viral Filter Effectiveness – P3 rated HEPA Filter		
Battery duration	8-9 hours (dependant on condition of filter and battery)		
Face Shield Dimensions	320mm x 155mm		
Effective Hose Length	830mm		
Headband Size Range	51-64cm		



MATERIALS

Belt	Buckle - Nylon; Webbing – Plastic Coated Polypropylene
Blower & Battery Case	ABS / Polycarbonate
Battery cells	Lithium-Ion (Li-Ion)
Filter	Pleated glass micro fibre
Filter Frame	ABS
Hose	PVC with plastic spiral reinforcement
Face/head seal	PU coated Nylon
Browguard	Nylon
Face Shield	Polycarbonate
Sweatband	Brushed Nylon

EUROPEAN STANDARDS

Product Code	EN 166:2001: Personal Eye Protection						EN 12941: Respiratory protective devices	Nominal Protection Factor (NPF):	Assigned protection Factor (APF):
	F - Low Energy Impact	B - Medium Energy Impact	A - High Energy Impact	1 - Optical Class	3 - Liquid droplets	9 - Molten Metal Splash	Class TH2P	50	20
R23FUVN System							✓	✓	✓
Face Shield		✓		✓	✓	✓			

ACCESSORIES

Filters	M23P3/5
Battery	R23BLI
Battery Charger	R23BCLI
Sweatband	R23SB
Faceseal	R23FN
Face Shield	R23VN
Hose	R23HAHD

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. The headpiece has a typical in-service life of 2 years. Excessive wear and tear can considerably reduce the lifespan of the product.
Cleaning	Clean using warm soapy water and a soft cloth. Care must be taken to avoid scratching. Disinfection: The products may be cleaned using a $\geq 1\%$ 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.
Disposal	Recycle. Look out for the recycling symbol for the material category