

TECHNICAL DATASHEET

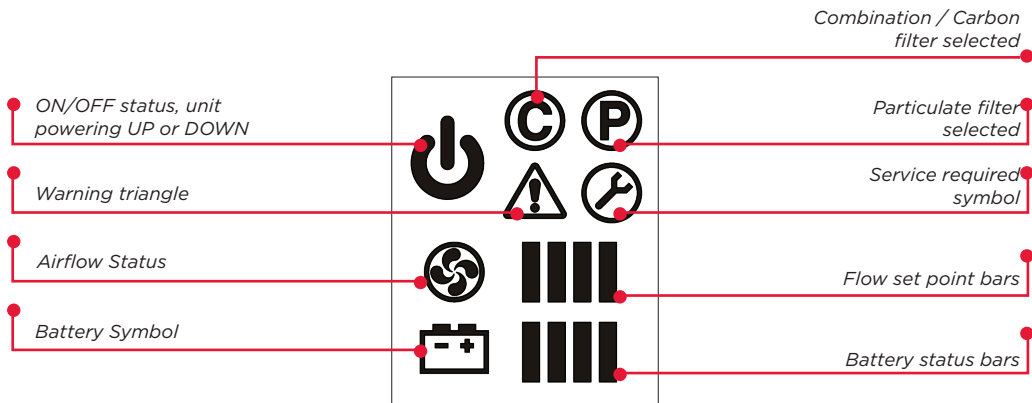
SPIRIT



DESCRIPTION

The Spirit blower (PAPR) unit contains a motor powered centrifugal fan running at a maximum RPM of approximately 17,000. The flow is measured in real time and uses a microprocessor to control the closed loop flow measurement system. If the flow falls below the minimum designed flow rate an audible alarm will sound and warning symbols will flash on the display.

DISPLAY



MATERIALS

Control buttons	Nitrile/PVC
Display Screen	Nylon
Filter seals	Nitrile/PVC
Filter lock buttons	Nitrile/PVC
Hose cuff	Glass filled nylon
Filter port threads	Glass filled nylon
Main body components	ABS/PC
Motor	Brushless DC technology
Motor Life	1800 hours running time

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TECHNICAL SPECIFICATIONS

Weight

Spirit Unit 0.795 Kg

Battery Unit 0.635 Kg

Size

260 x 150 x 150 mm

Approvals

Spirit PAPR EN 12941 & 12942 (TH1 / TH2 / TH3 / TM3)

Air Flow

Particulate filters Minimum flow of 170 l/min to maximum flow of 220 l/min, default start up flow of 180 l/min. Steps set at 170, 180, 200 and 220 l/min.

Combination and gas filter Flow is locked at 170 l/min, NO adjustment

Battery

Li-ion, 11.1v/5.2Ah. Internal current and temperature protection. Size 110 x 85 x 80 mm. weight 0.635 Kg. Charge cycles approx. 500

Operating times

Particulate filters Minimum 8 hours

Combination or Gas Minimum 5 hours

Sound level

65db to 72 db, dependant on type of head top and air flow rate.

Operating temperature -10°C to +50°C

Humidity <95%

Ingress protection class IP55

Features via Computer Software - Mini USB

Service type User settable - OFF / ALLOW USE / BLOCK USE

Service interval User settable - IN DAYS

Particulate default flow User settable - 170 to 220 (170, 180, 200, 220)

Permit Flow Adjustment User settable - ON / OFF

Firmware upgrade Download new firmware