

TECHNICAL DATASHEET

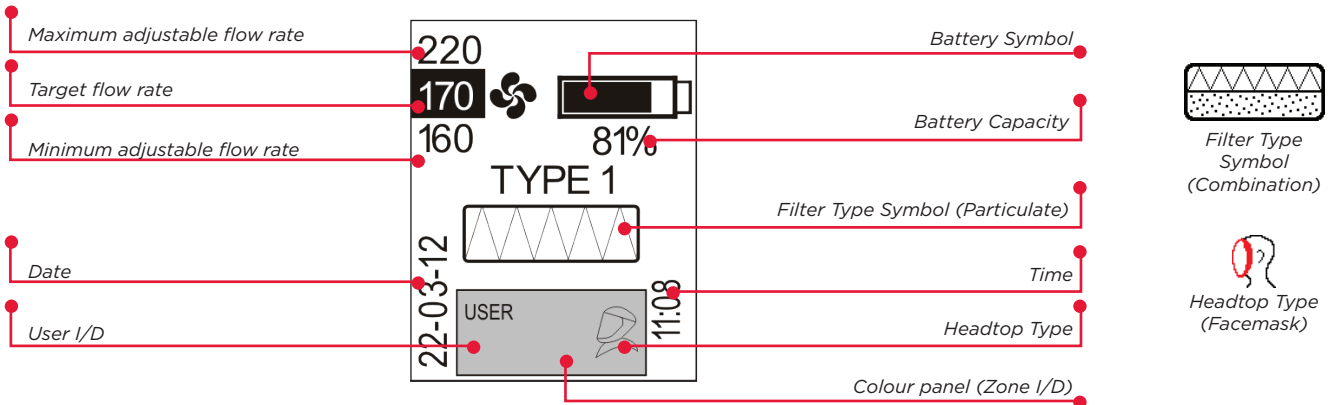
SPIRIT SX



DESCRIPTION

The Spirit SX 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. The Spirit SX has a vibrate alarm.

DISPLAY - COLOUR TFT SCREEN



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. A short button press will increase or decrease the flow by 5 l/min, a long press of the button will increase or decrease the flow by 20 l/min (within the limits of 170 to 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)

Firmware upgrade Download new firmware

Safety inspection type User settable - OFF / ALLOW USE / BLOCK USE

Safety interval User settable - IN DAYS

Visual inspection type user settable - OFF / DAILY / ON START UP

Date format User settable - dd/mm/yy or mm/dd/yy

Detailed display User settable - ON / OFF

User name User settable - User name / clock number etc (16 characters)

ID colour User settable - 9 colour options (Set up and zone ID)

Vibrate alarm User settable - ON / OFF

Permit head top hood EN12941 User settable - ON / OFF

Permit head top mask EN12942 User settable - ON / OFF

Permit / block use of Particulate filter User settable - ON / OFF

Permit / block use of combination filter User settable - ON / OFF

Permit Flow Adjustment User settable - ON / OFF



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.