SBS Exhaust Fan – 12" x 12"

Hydrogen Gas Ventilation for Battery Rooms

Meet battery room ventilation safety requirements and create an automated hydrogen gas ventilation system using the SBS Exhaust Fan in conjunction with the SBS-H2 hydrogen gas detector. This 12" x 12" fan automatically vents out dangerous hydrogen gas that builds up in battery charging rooms/areas.

The flexible fan design, featuring a sliding collar, works on walls between 1.5" and 8" thick, allowing for easy installation. The fan is weather resistant due to fixed external louvers with motor-driven internal louvers.

Benefits

- When connected with the SBS-H2 relays, the hydrogen ventilation process is automated and does not require monitoring by personnel
- Inexpensive protection that may help to reduce insurance premiums
- Energy efficient, operating only when triggered by SBS-H2 detector
- Meets NFPA Class I Div. 2 "B"
- Can be installed to comply with the National Electric Code (NEC) Section 480.9 (A) and IEEE Std. 450 for ventilation of battery rooms

Features

- 850 CFM wall-mounted ventilation fan for use with SBS-H2 hydrogen detector
- Fixed external rain louvers
- Motorized internal louvers are locked open when fan is operating, locked closed when fan is stopped
- Non-sparking and contactless, suitable for areas with potential H₂ buildup
- LED status display
- Simple installation with sliding collar

AC Power Wiring

- AC Power (Red and White)
- Fan Control (Black and Orange)

DC Power Wiring

- DC Power (Red and Black)
- Fan Control (Orange and White)

Specifications

- Power Requirements: 110 Vac, 67 Amps (80 Watts)
- 24 Vdc; 3.5 Amps
- 48 Vdc; 1.7 Amps
- Size: 12" L x 12" W x 9.5" D (305 x 305 x 241 mm); 18 lb. (8.2kg)
- Mounting: Rough opening: 12.25" x 12.25" (311 x 311 mm)
- Wall thickness: 1.5" to 8" (38 to 203 mm)
- Airflow: 850 CFM

Ordering Information

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<td>H2FAN-12x12-110VAC</td>
<td>12&quot; x 12&quot; Exhaust Fan, 110 Vac Input</td>
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<tr>
<td>H2FAN-12x12-24VDC</td>
<td>12&quot; x 12&quot; Exhaust Fan, 24 Vdc Input</td>
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<td>H2FAN-12x12-48VDC</td>
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