

# VS-12 FAQ

# What are the benefits of installing a VS-12 ventilation system?

In rooms with battery charging systems or other areas where hydrogen gas may be present, it is extremely important to remove the hydrogen gas from the area before it builds up and creates unsafe environments. The VS-12 is to be used in conjunction with our HGD-Series hydrogen gas detectors to ventilate hydrogen out of an area once it is detected. If a room has hydrogen gas buildup, the HGD-Series gas detector will turn on the ventilation fans when the atmosphere reaches 1% hydrogen concentration. Alarms will also sound at 2% concentration. Both of these would have been well before the lean mixture of hydrogen could ignite. During this period, the fans will be operating to vent the hydrogen gas, so that the area is kept safe.

## What are the power requirements for the VS-12?

There are several different input power options available to choose from for the VS-12: 110 VAC, 24 VDC, or 48 VDC. Current draw is .67A at 110 VAC, 3.5A at 24 VDC, or 1.7A at 48 VDC.

#### Can the ventilation system be set up in the reverse direction (forcing air inside)?

Yes, the unit usually is set up to exhaust air out of the room, but can be factory configured to force air into a room if necessary.

#### What test standards does the VS-12 comply with?

The only part of the VS-12 which requires compliance testing is the fan motor. The fan motor for the VS-12 is UL, RoHS and TUV compliant, and is nonincendiary.

## What is the airflow and static pressure value for the 12" fan?

The 12" fan runs at 850 CFM with a static pressure of 1.14.