

## V18-B Positive Pressure Ventilators ◊ Battery Powered

A PPV fan powered by a lithium-ion battery - unmatched durability, a perfect combination of size and power, a variable speed PPV that offers precise control of air movement and up to 80% more airflow than suitcase battery fans. The V18-B will run on any 15 amp GFCI circuit or the supplied lithium-ion battery for extra versatility. This full-powered PPV is complete with wheels and a handle. It keeps all electronics up off the ground to protect from wet fire scenes. Firefighters today have enough weight to carry around with turnout gear and air packs. Without having to strap a fan to their shoulder to carry onto the fire ground, the Super Vac V18-B we eliminate all these issues with solid off-road tires, a full roll cage frame, and a flip up handle for ease of set up for your ventilation needs.

### Features

- ◊ 7 Point Cast Aluminum Airfoil Blade ◊ holds up better than plastic in high heat
- ◊ Precision Spun Steel Shroud ◊ durability with maximum airflow
- ◊ Full Roll Cage Aluminum Frame ◊ protects key components
- ◊ Flat Proof Tires ◊ heavy duty rubber, never flat, rolls up stairs and curbs
- ◊ 5 Position Tilt Plate ◊ -15°, -8°, 0°, 8°, 15°
- ◊ StreamShaper Guard ◊ Air Cone Guard optional
- ◊ Duct ◊ Compatible with Super Vac duct on discharge side
- ◊ Highest Battery Powered Airflow ◊ highest in the industry, **AMCA Licensed**
- ◊ Fold Down Handle ◊ folds down within frame for easy, compact storage, optional LED Handle
- ◊ Compatible With Super Vac Accessories
  - ◊ Spiral Duct
  - ◊ Light Kit
  - ◊ Mountain Mister
  - ◊ Foam Generator
- ◊ 5 Year Warranty
- ◊ 2 Year Battery Warranty

### Specs

- Motor ◊ Leeson variable speed, 1Hp
- HxWxD ◊ 23" x 22" x 22" ◊ 584mm x 559mm x 559mm
- Blade Diameter ◊ 18" ◊ 457mm
- Weight ◊ 95 lbs ◊ 43 kg
- Run Time ◊ 25 minutes - on full charge, continuous using 120 or 220V AC
- Battery Life Cycle ◊ 1000 cycles, 3-4 hours full charge
- Output ◊ 8,699 cfm ◊ 14,780 cmh, 3rd Party **AMCA Licensed**





## POSITIVE PRESSURE VENTILATOR

A Super Vac, part number #V18-B, 18" battery operated positive pressure ventilator shall be supplied. The unit shall be cart style designed with rear mounted cushion tires, a full height frame, and a tilt-up, full width handle for easy positioning and rapid deployment. All components of the positive pressure ventilator shall 100% manufactured and assembled in the United States.

The entire frame of the unit shall be constructed of aluminum that shall surround the shroud and the seven-blade 18" airfoil propeller in a roll cage design that shall enhance lifting and user safety. The blade shall be constructed of precision cast of aluminum alloy #A356. The blade shall be driven by battery powered motor that shall have a direct drive connection. The blade shall be precision balanced and attached to the engine shaft with a split taper-lock bushing. Any ventilators utilizing belts, pulley, gears, or additional shafts shall not be acceptable.

The unit shall be supplied with a Lithium Ion battery system. The battery shall enable the ventilator to operate for 25 minutes on a single charge delivering maximum and powerful airflow.

The shroud and the safety grill shall be designed as to provide maximum air velocity. The positive pressure ventilator shall have a tilt control with five positions including two positions that can direct airflow downward and make the unit easier to move by taller firefighters, and span a step if needed. The standard angle of air direction shall be 18 degrees above horizontal ground level and shall be equipped with a lever to set positions of the air flow to 15, 8, 0, -8 and -15 degrees above and below horizontal level.

The front and rear safety guards shall be designed to OSHA and U.L. Standards to prevent accidental contact with the blade. The unit must be licensed by AMCA for air movement and listed under PPV at [amca.org](http://amca.org). The air movement shall exceed 8,699 cubic feet per minute.

The positive pressure ventilator shall be designed with the following:

Motor Manufacturer:	Leeson, 24VDC Motor 2500
Horsepower:	1HP
Rotations per minute:	2,477 RPM
Airflow:	8,699 CFM, AMCA licensed
Dimensions:	23" high x 22" wide x 22" deep
Weight:	95 pounds

The positive pressure ventilator shall have a minimum five (5) year warranty. The motor shall be warranted by the motor and battery manufacturer for a minimum of two (2) years.