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# 718b

## New & Improved Battery Powered Ventilator

U.S. Patent #5941314

The 718b is a variable speed, Positive Pressure Ventilation (PPV) fan powered by a 24V battery that features a reliable 18" cast aluminum airfoil blade.

The 718b combines fast, no generator set-up and high airflow of over 11,000 cubic feet per minute. This is done with a zero emission airstream because it is powered by a Super Vac IonPac 2.0 battery, which is included with the fan.

The IonPac 2.0 battery can run the fan for 25 minutes running at full speed and up to 45 minutes running at a lower speed, creating faster set up times. If additional ventilation is needed after the battery becomes discharged, it can be plugged into a 120 VAC power source while the fan is in use in order to charge simultaneously.

The 718b has solid cushion tires for easy transportation and a step brake that locks both wheels into position. The precision spun steel shroud is adjustable to four angle positions (-10° - 20°). A steel frame, full roll cage design and heavy gauge steel grill ensure safety and durability.

### Specs

Power .....	24V Lithium/Ion BatPac
Motor.....	1Hp Variable Speed
HxWxD .....	21.75" x 22.5" x 18.75"
Fan Diameter .....	18"
Weight .....	74 lbs (without battery)
Run Time .....	25 minutes - 45 minutes
Charge Time .....	5 hours
CFM .....	11,140
Battery Life Cycle .....	1000 cycles
Battery Weight .....	31 lbs



## **POSITIVE PRESSURE VENTILATOR**

A Super Vac, part number #718b, 18” battery-powered positive pressure ventilator shall be supplied (U.S. Patent # 5941314). The unit shall be cart style designed with rear mounted wheels, 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 battery IonPac2.0 shall have a life of 1000 cycles. It shall hold a charge for 3 weeks and come standard with an automatic shutoff when fully charged to prevent overcharging. The battery shall be capable of being plugged into a 120VAC allowing the ventilator to be used at full capacity under AC power indefinitely.

The pneumatic wheels shall be designed with a “one step” braking system utilizing a single foot operated brake pedal to assure positive engagement to prevent the unit from rolling during operation. The unit shall remain stationary while running at full speed.

The entire frame of the unit shall be constructed of steel 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 the motor which 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 shroud and the safety grill shall be designed as to provide maximum air velocity. The positive pressure ventilator shall have a tilt control with four positions including one position that can direct airflow downward. 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 20, 10, 0, and -10 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 shall be tested to AMCA 240-95 for air movement and the air movement shall exceed 11,000 cubic feet per minute.

The positive pressure ventilator shall be designed with the following:

### **PPV**

Motor Manufacturer: Leeson

Horsepower: 1 HP

Cubic feet per minute: 11,140

Dimensions: 18-3/4” deep x 22-1/2” wide x 21-3/4” high

Weight: 74 pounds

### **Battery**

Weight: 31 lbs

Life: 1000 cycles

The positive pressure ventilator shall have a minimum five (5) year warranty. The motor shall be warranted by the motor manufacturer for a minimum of one (1) year. The battery shall be have a minimum of one (1) year warranty.