

## 720WT Positive Pressure Ventilators <> Water Turbine Motor

a 20", water turbine PPV set on the classic 7-Series frame. A slightly larger PPV for districts with large residential structures in need of a fan that is not dependent on electricity and can be used in hazardous locations.

### 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 Steel Frame <> protects key components
- <> Solid Cushion Tires <> heavy duty rubber, never flat, rolls up stairs and curbs
- <> 4 Position Tilt Frame <> tilt shroud to 4 angles (20°, 10°, 0°, -10°)
- <> Step Brake System <> foot pedal locks fan in place
- <> Air Cone Guard <> classic design, StreamShaper Guard optional
- <> Fold Down Handle <> folds down within frame for easy, compact storage
- <> Compatible With Super Vac Accessories
  - <> Spiral Duct
  - <> Foam Generator
  - <> Mountain Mister
  - <> LED Holder
- <> 5 Year Warranty

### Specs

- Motor <> 5.5 Hp Water Turbine
- Power Requirement <> 100-250 psi
- HxWxD <> 25.5" x 25.5" x 18.75" <> 648mm x 648mm x 476mm
- Blade Diameter <> 20" <> 508mm
- Weight <> 78 lbs <> 35.5 kg
- Output <> 19,650 cfm <> 33,385 cmh





## POSITIVE PRESSURE VENTILATOR

A Super Vac, part number #720WT, 20" water powered positive pressure ventilator shall be supplied. The unit shall be cart style designed with rear mounted pneumatic 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 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 square tubular steel that shall surround the shroud and the seven-blade 20" 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 water 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 positive pressure ventilator shall be powered by a 12 horsepower water motor using approximately 100 GPM while operating at 150 PSI. The unit shall have a 1.5" NST inlet and outlet.

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 19,650 cubic feet per minute.

The positive pressure ventilator shall be designed with the following:

Motor Manufacturer:	POK Water Turbine
Horsepower:	12HP
Rotations per minute:	3500 RPM
Cubic feet per minute:	19,650 CFM
Dimensions:	25.50" high x 25.50" wide x 18.75" deep
Weight:	78 pounds

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