

718WT PPV Water Turbine

An 18" water turbine PPV set on the classic 7-Series frame, this turbine provides the perfect combination of size and power for departments looking for an everyday PPV that doesn't rely on electricity or gasoline, especially in hazardous locations. Featuring a durable steel-frame, roll-cage design with 4-position tilt, this PPV has proven itself over the years.

Features

- 1 **Full Roll-Cage Frame:** Protects components
- 2 **4-Position Tilt Frame with Step Brake:** Provides -10°, 0°, 10°, 20°; brake locks fan in place during use
- 3 **Fold-Down Ergonomic Handle:** Folds down into frame for compact storage; features full-width handle for easy grip with heavy-duty gloves
- 4 **Flat-Proof Rubber Tires:** Eliminates flat tires; rolls up stairs/curbs easily
- 5 **Single-Piece Cast Aluminum Blade:** Holds up better than plastic in high heat
- 6 **Precision-Spun Steel Shroud:** Provides durability with max airflow
- 7 **Air Cone Guard:** Classic design for max airflow; StreamShaper Guard optional

18" Blades - H x W x D: 21.75" x 22.5" x 18.75" - 552 mm x 575 mm x 476 mm

Model	Weight	Power	Consumption	Output
718WT	76 lbs 34.5kg	5.5 HP water turbine 100-250psi	65 gpm	16,830 cfm 28,595 cmh





POSITIVE PRESSURE VENTILATOR

A Super Vac, part number #718WT, 18" water powered pressure ventilator shall be supplied. 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 be 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 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 aluminum alloy #A356. The blade shall be driven by the water turbine that shall have a direct drive connection. Any ventilators utilizing belts, pulley, gears or additional shafts shall not be acceptable. Any ventilators using plastic or nylon blades shall not be acceptable due to the high radiant heat found on fire scenes.

The positive pressure ventilator shall be powered by a 5.5 Horsepower water motor using approximately 65 GPM while operating at 150 PSI. The unit shall have a 1.5- inch 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 and shall be equipped with a lever to set positions of the air flow to 18, 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 positive pressure ventilator shall be designed with the following:

Motor:	POK Water Turbine
Horsepower:	5.5 HP
Airflow:	16,830 cfm
Dimensions:	21.75" high x 22.5" wide x 18.75" deep
Weight:	76 pounds

The PPV shall have a minimum five (5) year warranty. The motor shall be warranted by the motor manufacturer for a minimum of two (2) years.

