

Vertical Turbine



FM/UL Vertical Turbine Fire Pumps

SPP Pumps have been manufacturing fire pumps for over 100 years with one of the widest range of approvals of any manufacturer in the world. Experience gained from extreme environments such as off-shore oil & gas installations has led to the creation of the SPP FM/UL Vertical Turbine range of fire pumps approved for fire protection by FM Approvals and Underwriter Laboratories and fully compliant to NFPA 20.

Where the fire protection water source is located below ground or deck level, the best technical pumping solution is the vertical suspended multi stage turbine pump. With this type of unit the impellers are fully immersed in the water maintaining prime at all times. The pumps are driven by vertical electric motors or by diesel engines through a right angle gearbox



SPP Vertical Turbine Pumps can be found in most types of installation around the world including:

- Office Buildings
- Manufacturing Facilities
- Hospitals
- Power Stations
- Airports
- Pharmaceutical Facilities

Applications include:

- Sprinkler Systems
- Monitor Systems
- Hydrant Systems
- Water Curtain
- Deluge Systems



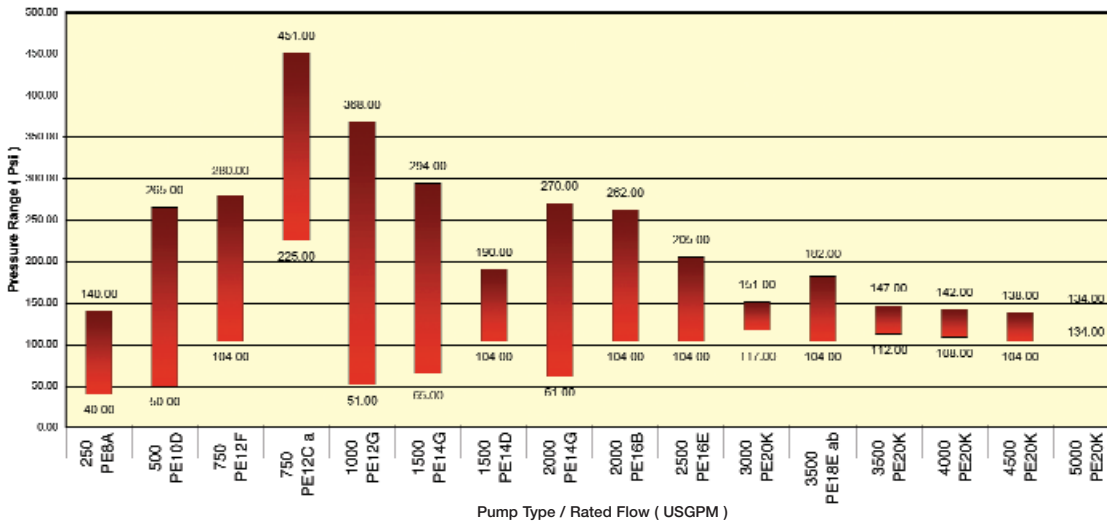
SPP PUMPS INC.

SPP Vertical Turbine FM/UL Approved Fire Pumps are available for duties ranging from 500 USgpm to 5000 USgpm and are suitable for electric or diesel drives. The table below demonstrates how the range of Vertical Turbine FM/UL approved pumps are designed to meet most normal requirements.

SPP also supplies Split-Case, End-Suction and In-line fire pumps. SPP Vertical Turbine FM/UL Approved Fire Pumps are available with either inch or metric fittings.

Examples of FM/UL Approvals up to 5000 USgpm.

60Hz (1760rpm) 250 USgpm - 5000 USgpm



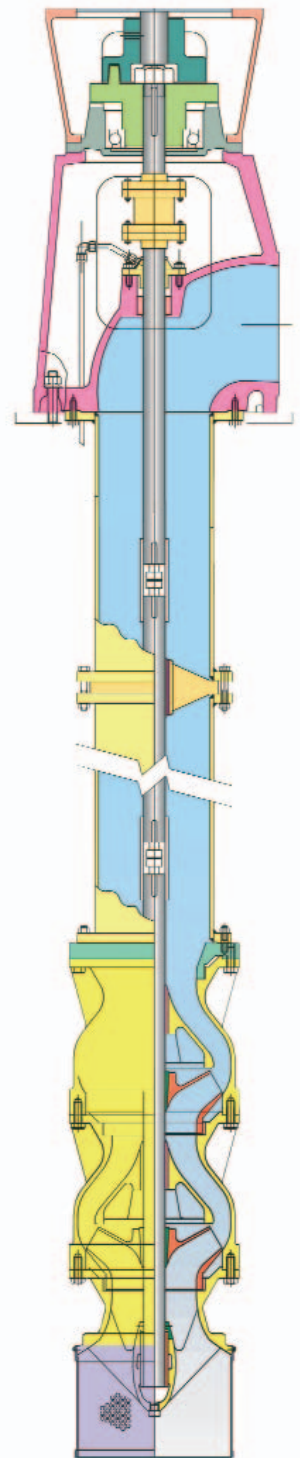
SPP Vertical Turbine pumps can also be custom engineered for the oil and gas industry and can handle fresh water or sea water for cooling purposes, fire protection duties, general water supply, washdown or drill water. They can also be used for handling crude oil or controlling spillages. For platform or jetty locations they can be provided with a below-deck discharge if required.



SPP vertical lineshaft pump directly driven by a 1200kw electric motor



SPP Vertical Turbine pump on test



Assessed to ISO 9001:2000
Certificate No. 111



www.sppumps.com