VERTICAL TURBINE FIRE PUMP
VERTICAL SHAFT FIRE PUMP

Electric Fire Pumpset

1. Motor
2. Pump base
3. Column pipe
4. Pump body
5. Strainer

Diesel Engine Fire Pumpset

1. Diesel engine
2. Oil tank
3. Flow meter
4. Gear box
5. Controller
6. Discharge pipe
7. Pump body

Application:
- Commercial Building
- Onshore / Offshore Refineries
- General Industries
- Power Plant
- Municipal
VERSÄ PUMP

VERTICAL TURBINE FIRE PUMP

VERTICAL SHAFT FIRE PUMP

Standard

All Versa vertical fire pumps are manufactured in accordance with NFPA 20, UL/FM standards.

Standard features include:

- **PRESSURE RATINGS** from 26 to 1740 Psi

- **CAPACITY RATINGS** labeled from 500 through 5,000 USGPM. Other capacities through 7,000 USGPM in accordance with NFPA-20.

- **STATIC WATER LEVEL** 0-50ft, product lubricated column and shaft assembly. Greater than 50 feet oil lubricated column & shaft assembly.

- **TESTING**: Testing includes a non-witnessed performance test with a laboratory driver and a non-witnessed hydrostatic test of the discharge head and bowl assembly. Witness testing is available upon request. Diesel engine drivers and pump controllers receive non-witness tests per NFPA-20 at their points of manufacture.
VERTICAL TURBINE FIRE PUMPS

Strong Point:

No Priming Required
Impellers remain submerged in the water supply at all times. Start-up is instantaneous and requires no supervision.

Full Range of Drivers
Versa offers a full line of electric motor, diesel engine and steam turbine drivers.

Space Saving Design
When equipped with a vertical electric motor, our vertical pump saves up to 75% in floor space over a comparable horizontal unit.

Steep Pump Performance Curves
Vertical pump performance curves are steeper than those of horizontal pumps. This results in smaller changes in capacity during pressure changes.

Adaptable to Different Water Levels
Because the column length may be varied to fit the application, a vertical fire pump can be tailored to meet virtually any water level situation. This is important when the pump support floor or foundation is above the suction lift of a horizontal fire pump. A vertical fire pump can be installed in wells, offshore platforms, rivers, or wherever a fluctuating water level exists.

Adaptable to a Wide Range of Water Supplies
Approved water supplies range from municipal water systems to sea water... including wells, underground and above ground reservoirs, open ponds, streams, and above and below ground storage tanks.

Available to Meet a Wide Range of Capacity and Pressure Requirements
By varying the number of stages and sizes of bowls and impellers, a full range of system pressures and capacities can be obtained from virtually any water level. This allows the system designer maximum flexibility in designing the most effective and reliable fire protection system.

Fire pumps designed and manufactured in accordance with NFPA 20, UL/FM standards must satisfy specific pressure/capacity requirements. These guidelines insure that adequate pressure is provided over a wide capacity range and that maximum pressure at shut-off does not exceed the limits of the system.

Low Maintenance
Our pump designs provide for radial hydraulic balance. The hydraulic forces are equalized by multi-vane bowl diffusers. This reduces sleeve bearing radial loading and provides exceptional bearing life.

The weight of all rotating elements (including axial hydraulic thrust) is supported by a single thrust bearing at the top of the driver. Maintenance is minimal, but when required the bearing is easily accessible.