



Vertical Axial Flow Pumps

CHARACTERISTICS

- ✓ Multi-stage vertical centrifugal pump, diffuser type bowl.
- ✓ Axial flow impeller, high efficiency.
- ✓ May handle solids up to 14" diameter (365 mm).
- ✓ Counter clockwise rotation viewed from shaft coupling.

DESIGN FEATURES

- ✓ Above or below base discharge.
- ✓ Discharge elbows designed to reduce friction losses, diffusers designed to minimize turbulence and increase efficiency.
- ✓ Product, oil or fresh water lubrication.

STANDARD CONSTRUCTION MATERIALS

- ✓ **Bowls:** Cast iron with bronze impeller.
- ✓ **Column:** Carbon steel with AISI-1045 shaft.
- ✓ **Discharge head:** Fabricated steel.

OPERATION LIMITS

- ✓ Capacity to 30,000 m³/h (132,000 U.S. gpm).
- ✓ Head 20 m (66 ft).
- ✓ Pressure 2 kg/cm² (28 psi).
- ✓ Temperature 80°C (176°F).

APPLICATIONS

- ✓ All applications that require large quantities of Water with low head, like Drainage, Waste Water, Flood Control, Irrigation, Waste Treatment Plants, Underpass Drainage, Condenser Cooling, Construction Dewatering, Ditch Pumps and Raw Water Intakes.

OPTIONAL ACCESSORIES

- ✓ Basket type strainer.
- ✓ Extended Suction bell to minimize vortices.

RUHRPUMPEN NOMENCLATURE

- ✓ VAF
- ✓ POV
- ✓ PV