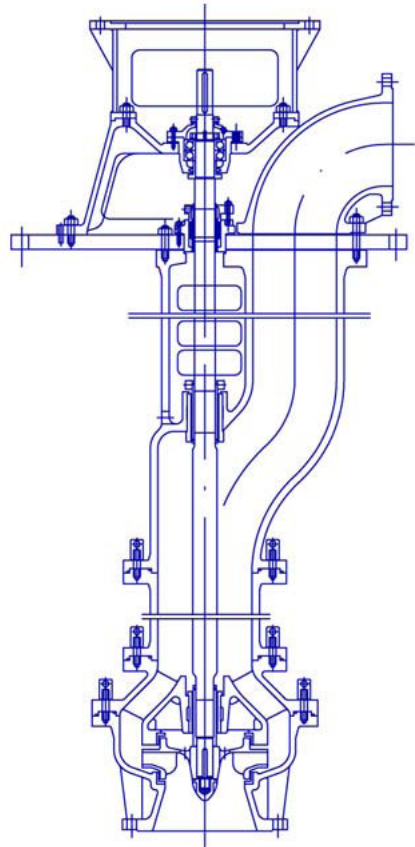


VAS-IFN- AFN

SPECIAL VERTICAL ACID PUMP For clear, corrosive, liquids

ESI Ensival Moret
A Moret Industries Company



●Construction:

- Single-stage with closed impeller
- Vertical construction
- Three types of design :
 - 1) discharge through side branch for small sizes
 - 2) discharge through head for large sizes
 - 3) dry installation out of the tank
- Grease-lubricated ball bearings
- Absence of
- Concentric discharge avoiding radial loads on column bearings
- Column product lubricated bearings
- Simple shaft sealing by throttle bush with leakage back to the tank
- Auxiliary packing rings preventing acid vapors (for safety and maintenance)
- Axial balancing by front and rear casing wear rings
- Mating faces protected against acid corrosion
- Threads protected by cap nuts and O-rings
- Multi-stage construction available upon request

●Standard materials:

- For hot concentrated sulphuric acid : 96 to 99%, temperature from 80 to 120°C
- Pump casing in acid-proof cast iron
- Special 14/40/5/5 stainless steel for impeller, wear rings and shaft sleeves
- Sleeve bearings in ferro-silicium or special alloy
- Shaft made of 20/25/4 stainless steel (UB6) or 316SS, with FEP tube upon request

●Industries:

- H₂SO₄ production plants : absorption - drying - transfer

●Performances:

- Capacity : up to 2,000 m³/h or 8,800 USGPM
- Total head : up to 40 m or 130 ft
- Maximum operating pressure up to 20 bar or 290 PSI
- Temperature operating range : up to 120°C or 250°F. high temperature special for Heat Recovery System
- Maximum speed : 1,800 rpm at 60 Hz according to size
- Installation inside or outside tank

