



- High corrosion resistance
- Long service life
- Easy assembly
- Maintenance friendly

Vertical Sulfuric Acid Pump Type Ensival Moret VAS

The VAS pump range has been specifically designed for sulfuric acid pumping applications. Due to its engineered design, the VAS acid pump range minimizes the corrosion wear effect while offering high efficiency and reliability. Superior operational performance has been demonstrated with its longer maintenance-free operation from initial startup.

Main applications

The VAS acid pump range has been designed to meet the requirements in H_2SO_4 production plants such as

- Absorption tower
- Drying tower
- Heat recovery system

Design

- Vertical turbine pump with discharge through column
- Single stage closed impeller with diffuser
- Absence of radial loads
- Axial loads fully balanced by front and rear casing wear rings
- Simple shaft sealing by throttle bushing with liquid back to the tank
- Auxiliary packing rings to prevent acid vapors (for safety and maintenance)

Materials

Part	Material
Pump casing	Acid-proof cast iron or special stainless steel
Impeller, wear rings	Special stainless steel
Sleeve bearings	Ferro-silicium or special alloy
Shaft	Duplex stainless steel with FEP lining

Vertical Sulfuric Acid Pump Type Ensival Moret VAS



Oil and gas



Hydrocarbon processing



Power generation



Pulp, paper and board



General industry



Chemical process industry



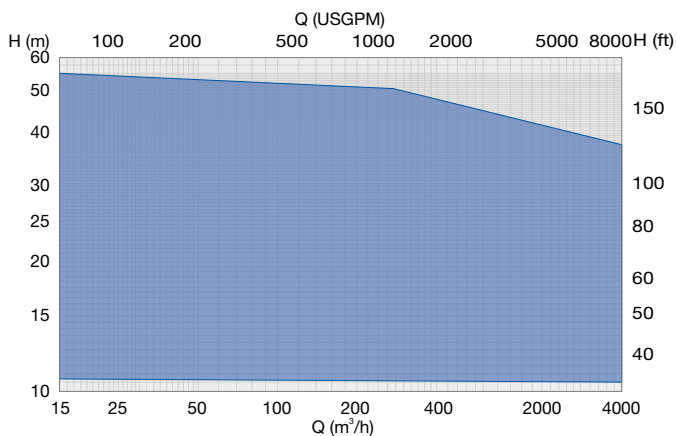
Water and wastewater

Operating data

50 Hz		60 Hz
up to 4 000 m ³ /h	Capacities	up to 17 500 USgpm
up to 45 m	Heads	up to 148 ft
up to 20 bar	Pressures	up to 290 psi
up to 140°C	Temperatures	up to 291°F
up to 1 500 rpm	Maximum speed of rotation	up to 1 800 rpm

Higher capacities and heads upon request.

Performance range



VAS pump for heat recovery system

The VAS pump range also offers reliable and safest solutions for pumping sulfuric acids with temperatures of up to 250°C / 480°F.

