

HEAVY DUTY CANTILEVER PUMPS FOR CORROSIVE ENCRUSTING LIQUIDS AND SLURRY

VA

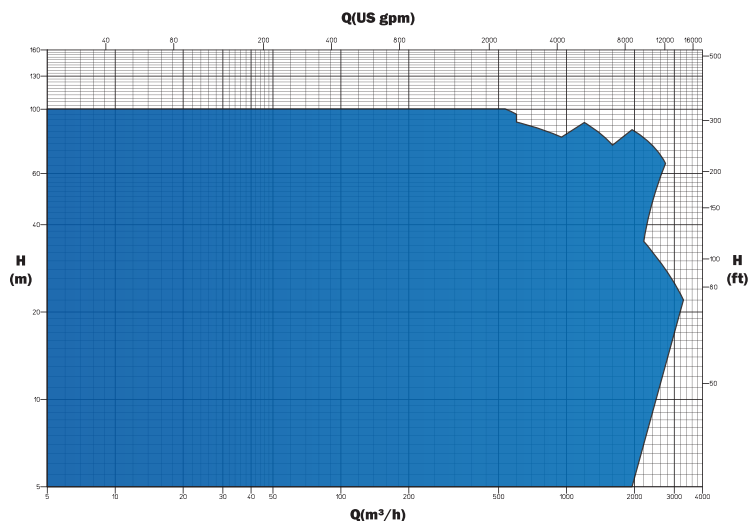
API 610 (VS5)

Design :

- / Designed to accept all types of hydraulics: semi-open, open, closed or torque flow impellers: suitable for all kind of liquids. (Type VAP/VO)
- / Simple and robust design with ease of maintenance.
- / Cantilever Design without submerged bearings and without shaft seal.
- / Shaft guided by grease-lubricated roller bearings located above the base plate and sealed-off from contamination by a labyrinth ring.
- / Construction with the bearing assembly under the base plate is possible.
- / Discharge separate from the shaftline.
- / Short in length (<1,8m). Can be extended by means of a suction pipe allowing the pump to operate with a liquid level under the impeller level.
- / Bearing assembly is sealed-off to prevent bearing contamination by liquids or gases / vapors.
- / Can run dry without risk of damage.
- / Can be supplied with a V-Belt drive.

Additional design :

- / High temperature design up to 450 °C (850 °F).
- / Design with heating jacket (Molten sulphur).
- / Design for ammonium nitrate



Performances :

- / Flow : up to 3500 m³/h (15.400 US gpm)
- / Total head : up to 150 m (500 ft)
- / Maximum operating pressure : 20 bar (290 PSI)
- / Operating temperature range : up to 120 °C (up to 248 °F)
- / Higher flows and heads upon request

Standard materials :

- / Grey cast iron, hard duplex iron, chromium iron.
- / Austenitic or duplex stainless steel of all grades.
- / All materials used for horizontal design.
- / Special alloys available upon request.

Industrial applications :

- / Fertilizer plants
- / Iron and steel industry
- / Chemical industry
- / Petrochemical industry
- / Hydrocarbon processing
- / Various industrial applications