

VERSA Series

Horizontal end suction back pull-out heavy duty chemical process pumps as per ISO 5199 design standard



Product Description:

VERSA series horizontal chemical pumps are designed based on ISO 5199 design standard and DIN 24256 / ISO2858 / EN22858 dimension standard. These pumps are specially designed for process or transfer duty applications, having high efficiency for pumping clean or slightly contaminated chemicals and chemical effluents without solid contents. All types of corrosive and crystallising liquids can be handled with various shaft sealing options either with gland packing or mechanical seal with various API flushing plans. The modular design offers maximum interchange ability of the parts.

Applications:

- Acids
- Alkalis
- Dyes
- Paints
- Petrochemicals
- Intermediates
- Seawater
- Hydrocarbons
- Hot water
- Clear effluents

Industries:

- Fertiliser
- Petrochemicals
- Refineries
- Textile
- Desalination
- Water treatment
- Wastewater treatment
- Steel
- Power generation
- Pharmaceutical
- Acids
- Caustic soda
- Soda ash
- Adhesives
- Distillery

Performance Parameters:

Flow	: upto 3,000 m ³ /hr
Head	: upto 150 m.l.c
Specific gravity	: upto 1.9
Temperature	: upto 180 °C
Viscosity	: upto 20 cP
DN sizes	: 25 to 400 mm

Pressure Ratings:

Suction pressure	: upto 2 kg/cm ²
Discharge pressure	: upto 16 kg/cm ²
Test pressure	: 24 kg/cm ²

Standard Features:

- Centrifugal, single stage, end suction, top discharge pump
- ISO standard pumps upto 150 mm additional sizes as per KISHOR design
- Back pull-out design for easy maintenance
- Closed or semi-open impeller
- Shaft fully protected by shaft sleeve
- Can accommodate any axial shaft coupling type
- Sealed, grease lubricated deep groove ball bearing
- XSpan Technology mitigating the effect of undesirable hydraulic forces on shaft bearings & mechanical seals in HI & HE versions
- Performance testing as per ISO 9906
- Flanges as per DIN standard

Versions:

- HI : Pump with internal mechanical seal
- HE : Pump with external mechanical seal
- HD : Pump with double mechanical seal
- HG : Pump with gland packing
- HJ : Pump with steam jacketing

About Us:

We design & manufacture tailor-made products for pumping and mixing of corrosive, abrasive and solids laden liquids, along with suitable service support. We have one of widest spectrums of material options to suit the application based on over 5 decades of experience and expertise. At the core of product selection process, lies a deep understanding of the application and the environment in which the pump is supposed to operate, ensuring optimal selection to suit the requirement.

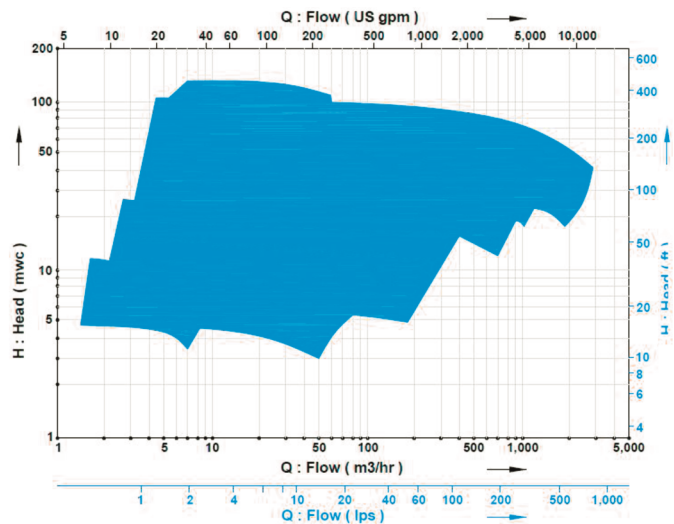
Material of Construction:

Casing : CI, Ni-Resist, WCB, DIN 4136, CF8, CF8M, CF3, CF3M, CN7M, CD 4MCuN, CE 3MN, HV 9A.

Impeller : CI, Ni-Resist, WCB, DIN 4136, CF8, CF8M, CF3, CF3M, CN7M, CD 4MCuN, CE3MN, HV 9A.

Shaft : SS 410, SS 304, SS 316, SS 316L, SS 904L, UNS 32760, UNS 31803, UNS 32205.

Performance Range:



Optional Features:

- ANSI / BS/ ISO drilling on DIN flanges
- Drain plug accessory
- Cast or fabricated baseframe
- Variety of wear rings
- Heavy duty roller / angular contact ball bearings
- Belt or pulley driven
- Oil lubricated bearings
- Steam jacketing for crystallising liquids



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