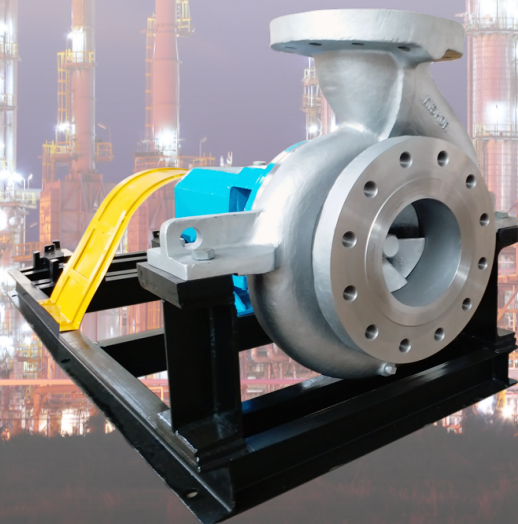


## HYPER Series

Horizontal end suction back pull-out pump for chemical applications with high pressure & high temperature



### Product Description:

HYPER series chemical horizontal pumps are designed based on ISO 5199 design standard. These pumps are specially designed for high pressure. These pumps have high efficiency for pumping clean or slightly contaminated severe chemicals without solid contents. All types of corrosive and crystallising liquids can be handled with various shaft sealing options, with various API flushing plans with all types of bearing cooling options. The modular design offers maximum interchangeability of the parts.

### Applications:

- Acids
- Alkalis
- Dyes
- Paints
- Petrochemicals
- Intermediates
- Seawater
- Hydrocarbons
- Hot water
- Hydrogenation plants

### Industries:

- Fertiliser
- Petrochemicals
- Refineries
- Acids
- Caustic soda
- Water Treatment
- Power Generation
- Pharmaceutical
- Adhesives
- Distillery

### Performance Parameters:

Flow	: upto 1,300 m <sup>3</sup> /hr
Head	: upto 130 m.l.c
Specific gravity	: upto 1.1
Temperature	: upto 270°C
Viscosity	: upto 20 cP
DN sizes	: 32 to 250 mm
Solid passage size	: Not desired

### Standard Features:

- Centrifugal, single stage, end suction, top discharge pump
- Back pull-out design for easy maintenance
- Dimensions as per KISHOR design
- Rigid mounting with centre line mounted casing
- Semi open (F) or closed impeller
- Heavy duty, oil lubricated bearings
- Shaft sealing by balanced mechanical seal
- XSpan Technology mitigating the effect of undesirable hydraulic forces on shaft bearings & mechanical seal
- Performance testing as per ISO 9906
- Can accommodate any axial thrust coupling
- Bearing cooling for high temperature duties

### Versions:

- HI : Pump with internal mechanical seal
- HD : Pump with double mechanical seal

### 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.

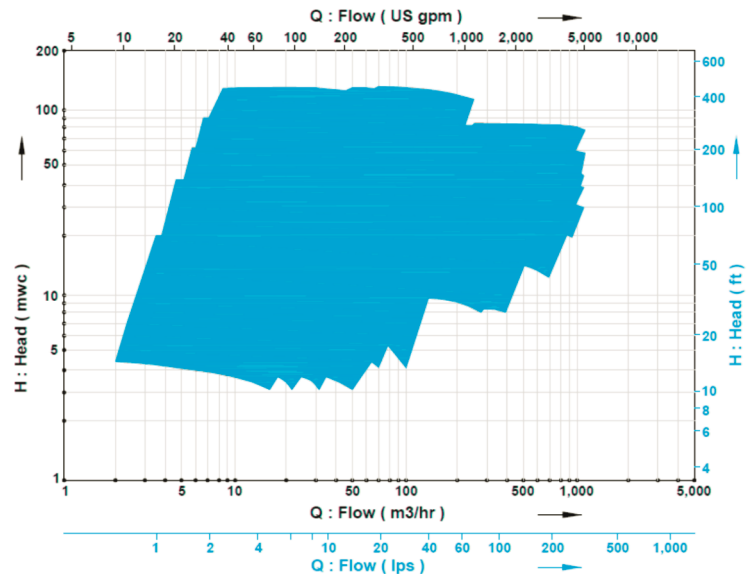
### Material of Construction:

Casing	: WCB, CF8, CF8M, CF3M, Duplex St. steel etc.
Impeller	: WCB, CF8, CF8M, CF3M, Duplex St. steel etc.
Shaft	: SS 410, SS 316, UNS 32760, etc

### Pressure Ratings :

Suction pressure	: upto 35 kg/cm <sup>2</sup>
Discharge pressure	: upto 50 kg/cm <sup>2</sup>
Test pressure	: 75 kg/cm <sup>2</sup>

### Performance Range:



### Optional Features:

- Cartridge seal mounting
- Fan / water cooled bearing housing
- Steam jacketed casing / casing backplate
- ANSI B16.5 # 300RF or # 600RF flanges.
- Bearing isolator / labyrinth seal
- Double mechanical seal in tandem / back to back arrangement



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