



RANGE

Delivery size up to 200 mm

Capacity up to 2200 m³ /hr

Head up to 150 m

Temperature up to (-) 50 °C to 350 °C

APPLICATION

Chemical Process Industries, Petro Chemical, Nuclear, Refinery, Paper and Power Plants etc. Pumps suitable for handling Corrosive Acides, Alkalies, Salt Solutions, Caustics, Hydro Carbons, Oils, Thermic Fluids, Liquefied Gases, Condensates, Viscous Liquids etc

FEATURES

Pumps are as per DIN 24256 and ISO 2858 and generally conform to API 610 (7th Edition) The design is of back pull out type. Large variety of models are available to operate at 1450 rpm and 2900 rpm at 50Hz and 1750 and 3500 rpm at 60Hz.

Casing :

The casing has axial suction and top centre line delivery. Smooth hydraulic passages ensure high efficiency. Normal design is for foot mounted pumps. Centre line mounting for special applications are also available.

Impeller :

The impellers are of enclosed type and semi-open impellers can also be supplied. Hydraulic balancing of impellers is achieved either by back vanes or by balancing holes. The impellers are statically and dynamically balanced. Reliable fixing of the impeller on shaft is achieved by using helicoil insert under impeller nut. To improve NPSH performance, inducer can be supplied.

Shaft :

The shaft is supported by two antifriction bearings to take residual axial thrust and prevent axial float or radial run out. It is fully protected from the liquid handled by means of a shaft sleeve and PTFE gaskets between impeller nut, impeller hub and shaft sleeve.

Stuffing Box :

The stuffing box is sealed by gland packing or by mechanical seal, Conversion from gland packing to mechanical seal is achieved by changing some standardised parts. Remachining of stuffing box is not necessary. Stuffing box cooling is provided for operating temperature 105°C for gland packed and 140°C for mechanical seal fitted pumps.

Bearing :

The bearings are oil lubricated. For high temperature (above 180°) application, bearing oil cooling arrangement is provided. All pumps are provided with reinforced bearing arrangement as standard supply

Direction of Rotation :

Clockwise viewed from driving end.

Drive :

Suitable for coupling with electric motors, engines directly or through belt drives.

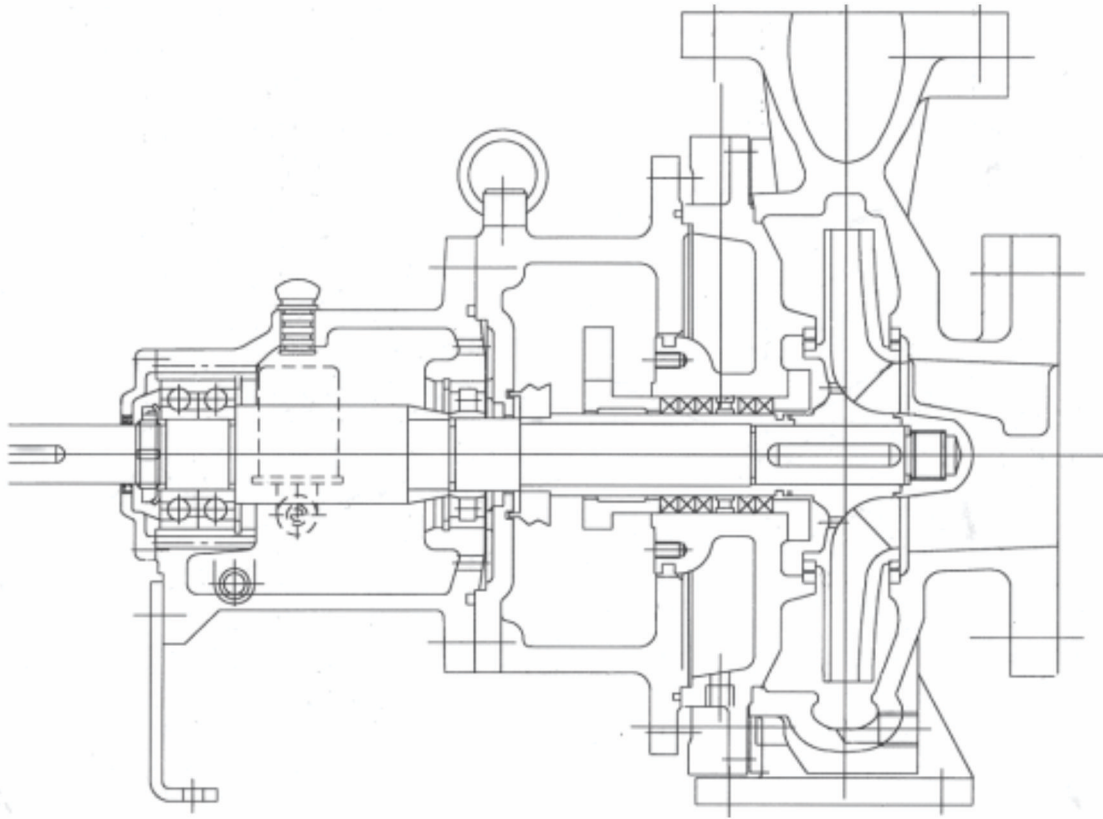
Flanges :

ANSI B 16.1, CL 125 Flat Face : for CI/BR

ANSI B 16.5, CL 150 Raised Face - for sp.metals Viz. st.steel, cast steel etc.

Drilling as per DIN, ASA, BS ect. (Optional)

TYPICAL CROSS SECTIONAL DRAWING



DESCRIPTION

ETANNOR Engineers provides the best range of Centrifugal Process Pumps famous with EKD – Series in a market.

Our specially designed Centrifugal Process Pump is the most preferred hydraulic pump for industrial and domestic uses. It is used to move or raise the pressure of a liquid. High-quality impeller which is used in our centrifugal pump rotates the liquid and the centrifugal force which is generated in the pump push the liquid to move out. The impeller is the device which rotates and transfer energy to the fluid.

We fabricate the centrifugal pump that includes the end-suction and back-pullout type centrifugal pump. Our heavy duty pump is capable to handle a wide spectrum of corrosive chemicals, starting from strongly oxidizing solutions to strongly reducing ones, at different temperatures and concentration, which can be used in different process plants.

MATERIAL

Casing	Cast Iron / Bronze/ Phosphor Bronze
Casing Cover	Cast Iron / Bronze/ Phosphor Bronze
Impeller	Cast Iron / Bronze/ Phosphor Bronze
Wear Ring	Cast Iron / Bronze
Shaft	Carbon Steel /Stainless Steel
Shaft Sleeve	Stainless Steel / Bronze
Lantern Ring	Nylon
Gland	Cast Iron / Bronze