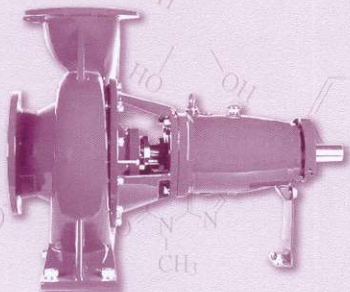
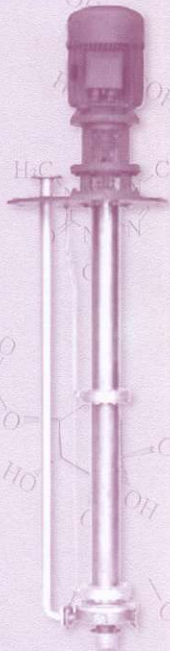


Chemical & Process Pumps

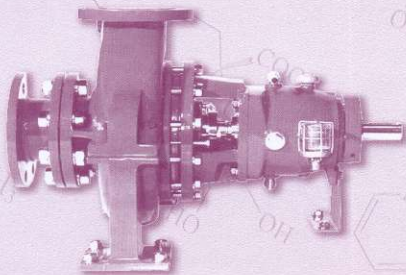
CNX / CNO



CVN / CVO



CPR



Chemical Pumps : CNX / CNO

Capacity Range

Suc. X Del. Size	: 40 mm x 32 mm - 500 mm x 500 mm
Discharge	: 3 m ³ /h - 5250 m ³ /h
Total Head	: 1.5 m - 225 m
Speed	: 740 / 985 / 1470 / 2900 rpm
Temperature	: -30° C to +180° C
Flanges	: ANSI B 16.5 CL 150/300

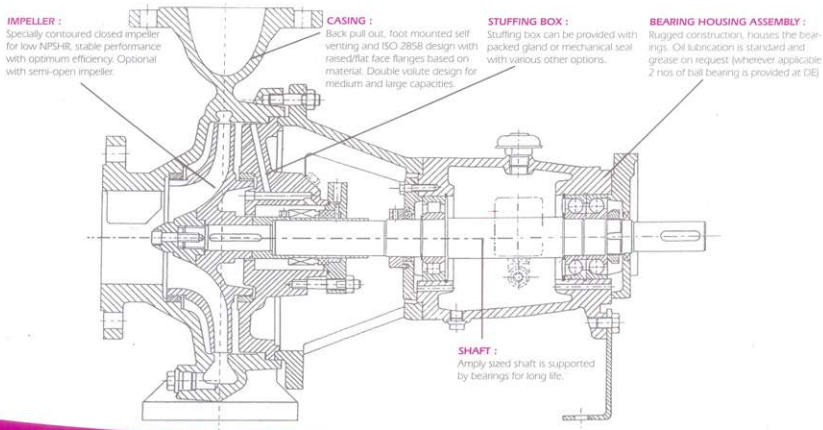
Application

- Chemical plants
- Petro Chemical
- Refineries
- Paper and Pulp
- Nuclear power
- Mining
- Food Industries
- Sewage
- Drugs and Pharma
- Water supply

Features

- Optimum degree of efficiency
- Double volute design for medium capacities
- Enclosed Impeller for CNX
- Semi-open Impeller & Wear plate for CNO
- Maximum Interchangeability of components
- Large size shaft for minimum deflection
- Heavy duty bearings for longer bearing life
- Extra corrosion allowance for casing
- Minimum Shaft Overhung
- Low NPSHR

CROSS SECTIONAL VIEW - TYPE : CNX



Process Pumps : CPR

Capacity Range

Suc. X Del. Size	: 40 mm x 32 mm - 500 mm x 500 mm
Discharge	: 3 m ³ /h - 5250 m ³ /h
Total Head	: 1.5 m - 225 m
Speed	: 985 / 1470 / 2900 rpm
Temperature	: -50° C to +300° C
Flanges	: ANSI B 16.5 CL 300

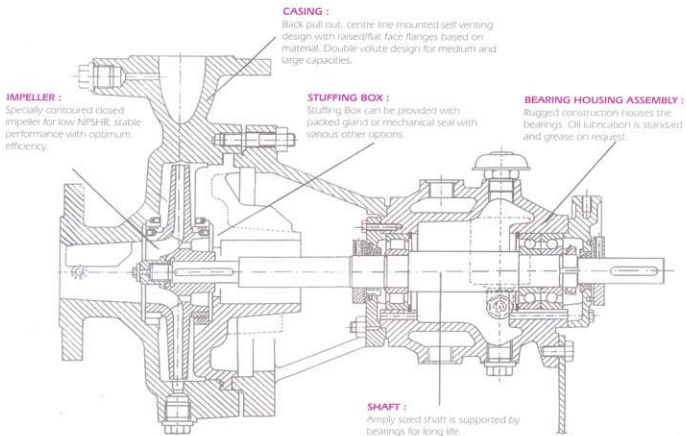
Application

- Chemical plants
- Petro Chemical
- Refineries
- LPG Plants
- Fertiliser Plants
- Tar Distillation

Features

- Centre line mounted
- Optimum degree of efficiency
- Double volute design for medium capacities
- Maximum Interchangeability of components
- Large size shafts for minimum deflection
- Heavy duty bearings for longer bearing life
- Generally conform with API 610
- Extra corrosion allowance for casing
- Minimum shaft overhung
- Low NPSHR

CROSS SECTION VIEW - TYPE : CPR



Sump Pumps : cvn/ cvo

Capacity Range

Suc. X Del. Size	: 40 mm x 32 mm - 500 mm x 500 mm
Discharge	: 3 m ³ /h - 5250 m ³ /h
Total Head	: 1.5 m - 225 m
Speed	: 985 / 1470 / 2900 rpm
Temperature	: -30° C to +180° C
Flanges	: ANSI B 16.5 CL 150/300
Setting Depth	: Upto 6 m

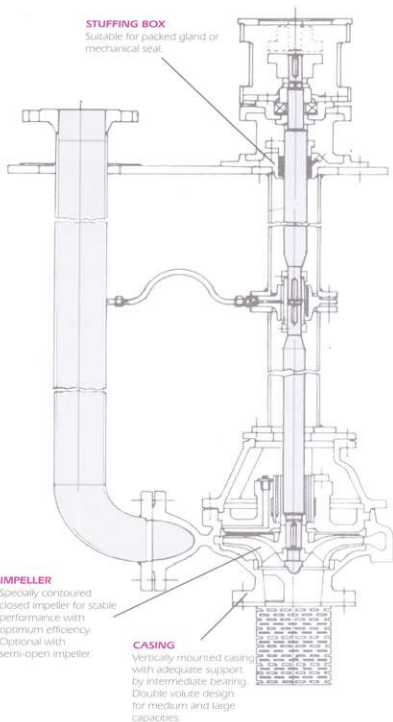
Application

- Chemical Plants
- Petrochemical
- Refineries
- Paper Industries
- Fertiliser Industries
- Power Plants
- Water Treatment Plants

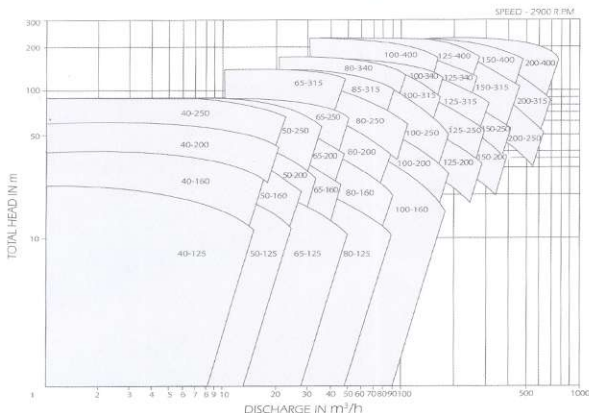
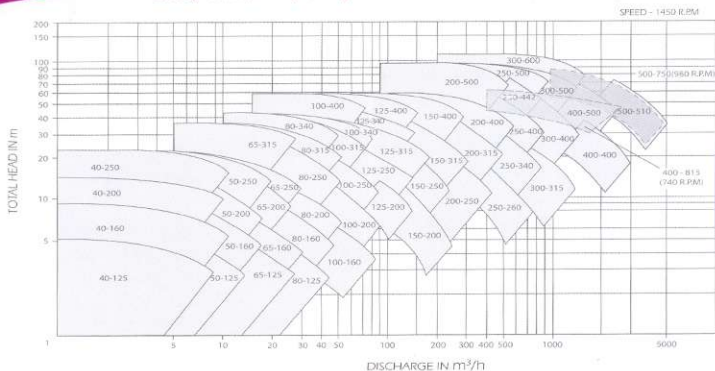
Features

- Optimum degree of efficiency
- Double volute design for medium capacities
- Enclosed Impeller for CVN
- Semi-open Impeller & Wear plate for CVO
- Maximum Interchangeability of components
- Large size shaft for minimum deflection
- Heavy duty bearings for longer bearing life
- Extra corrosion allowance for casing

CROSS SECTION VIEW - TYPE : CVN



CNX / CNO, CPR, CVN / CVO - WATER RATING CHART



OPTIONAL DESIGNS:

- (A) CNO/CVO - Semi-Open Impeller
- (B) Pump with heating arrangement.
- (C) Pump with cooled stuffing box
- (D) Pump with cooled bearing housing
- (E) Shaft Sealing arrangements- Pump with Single/ Double mechanical seals balanced or unbalanced.

SUMMARY

DESCRIPTION	CHEMICAL PUMPS	PROCESS PUMPS	SUMP PUMPS
PUMPS MODEL	CNX, CNW / CNO	CPR	CVN / CVO
IMPELLER TYPE	CLOSED / SEMI-OPEN	CLOSED	CLOSED / SEMI-OPEN
STANDARD	ISO 2858 & DIN 24256	API 610	HYD SIMILAR TO CN SERIES
RANGE	5250 m ³ /h UPTO 225 m	5250 m ³ /h UPTO 225 m	5250 m ³ /h UPTO 225 m
MAX. WORKING PRESSURE	16 BAR / 25 BAR	25 BAR	16 BAR / 25 BAR
TEMP. RANGE	-30°C TO +180°C	-50°C TO +300°C	-30°C TO +180°C
FLANGES	ANSI 150 / 300	ANSI 300	ANSI 150 / 300