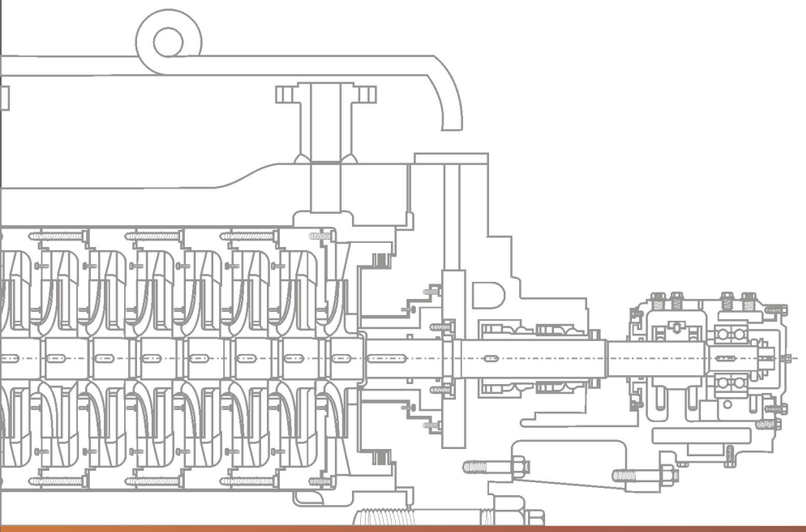

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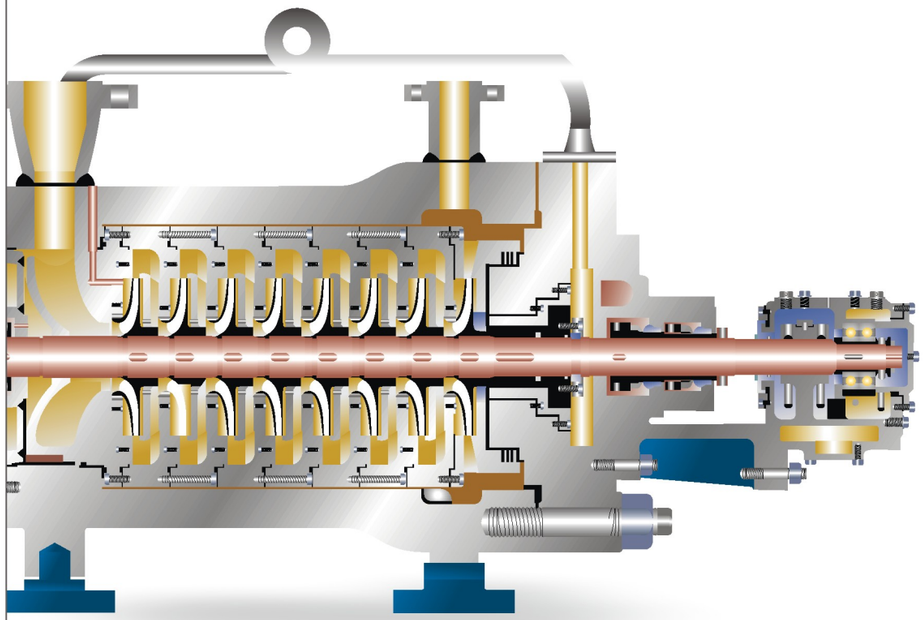
TG MHDR



Multi Stage
Barrel Process Pump
acc. to API 610 10th Ed
code BB5

General

TG MHDR series pumps are horizontal, multistage double casing centrifugal pump designed according to API 610 10th Ed. (Code BB5). Mainly for high pressure and high temperature application.

Operating Range

Capacity	Q	5 to 1,000 m^3/hr
Total head	H	Up to 3,200 m
Temperature	T	- 80 to + 450 ^oC
Pressure	P	Up to 35 MPa
Nozzle Size, Discharge	DN	65 to 250 mm
Speed	N	Up to 5,200 rpm

Application

Petrochemical Industry	:	Process Transfer, Boiler Feed Water, Hydrocarbon Transfer, High Pressure Water Injection.
Power Generation	:	Boiler feed, Cogeneration.
Chemical Industry	:	Process transfer.

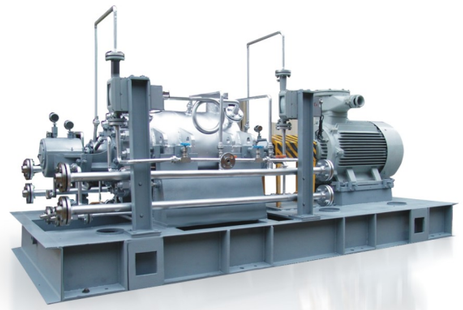
Features

Casing	:	Double casing structure for very high pressure application on safe and reliable operation ; suction casing, discharge casing, outer casing and stage casing can be made of forging.
Impeller	:	High efficiency design based on use CFD analysis of three dimensional fluid simulation. First stage impeller have high suction capability, it can be single suction or double suction type.
Sealing Chambers	:	Fully in accordance with API 682, can be configured to various forms of seals and flushing plan.
Axial Thrust	:	Absorbed by the balance device combined by balance disc and balance drum for safe and reliable operation. During normal operation, the axial thrust are fully balanced giving increase bearing life.

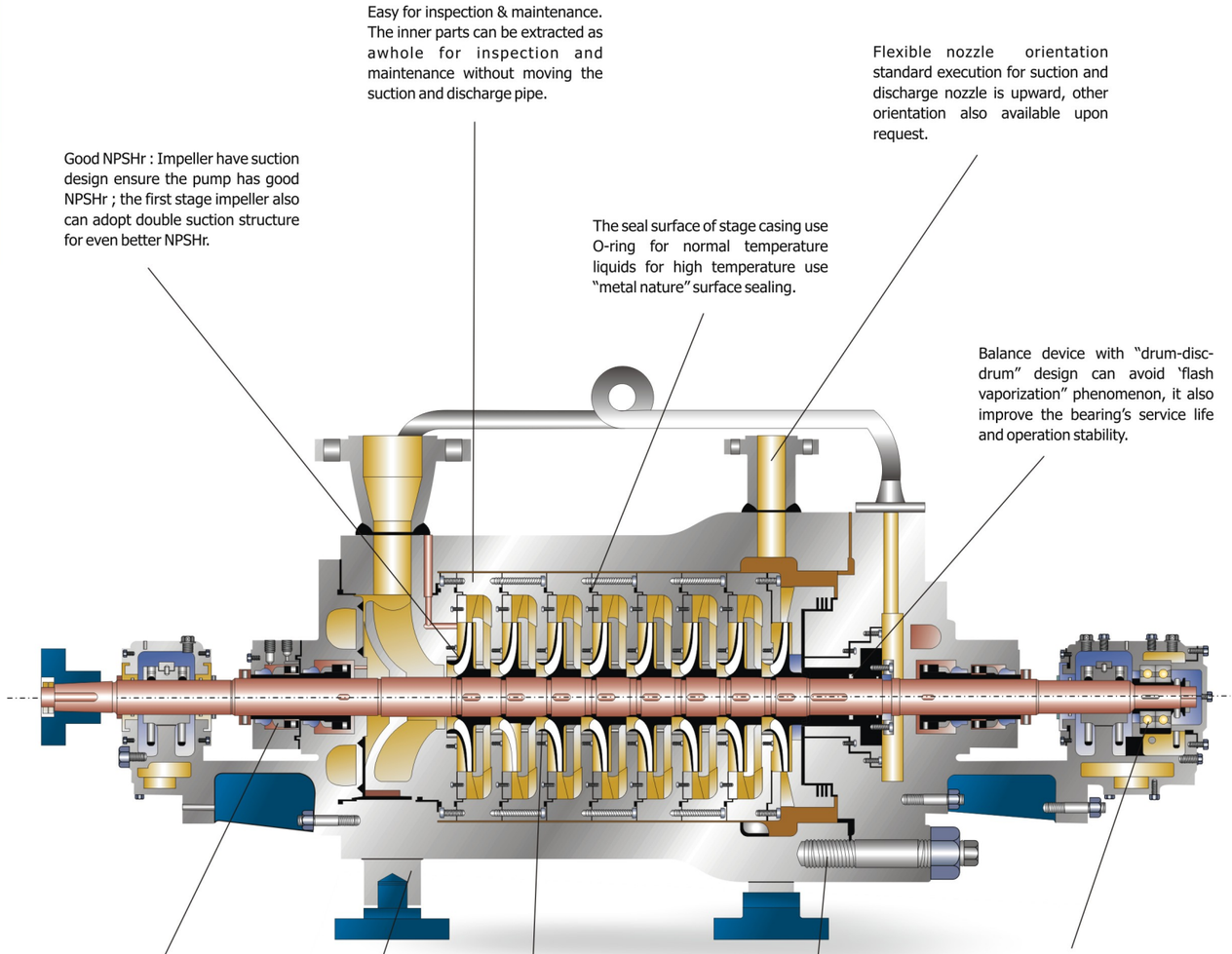
Nomenclature

Ex. TG MHDR 280 - 100 x8

TG MHDR	:	Multi stage barrel process pump, double casing pump
280	:	Capacity at design point, m^3/hr
100	:	Head at design point, single stage, m
8	:	No. of stage



Petrochemical Industry



** Typical drawing only*

Sectional Drawing