

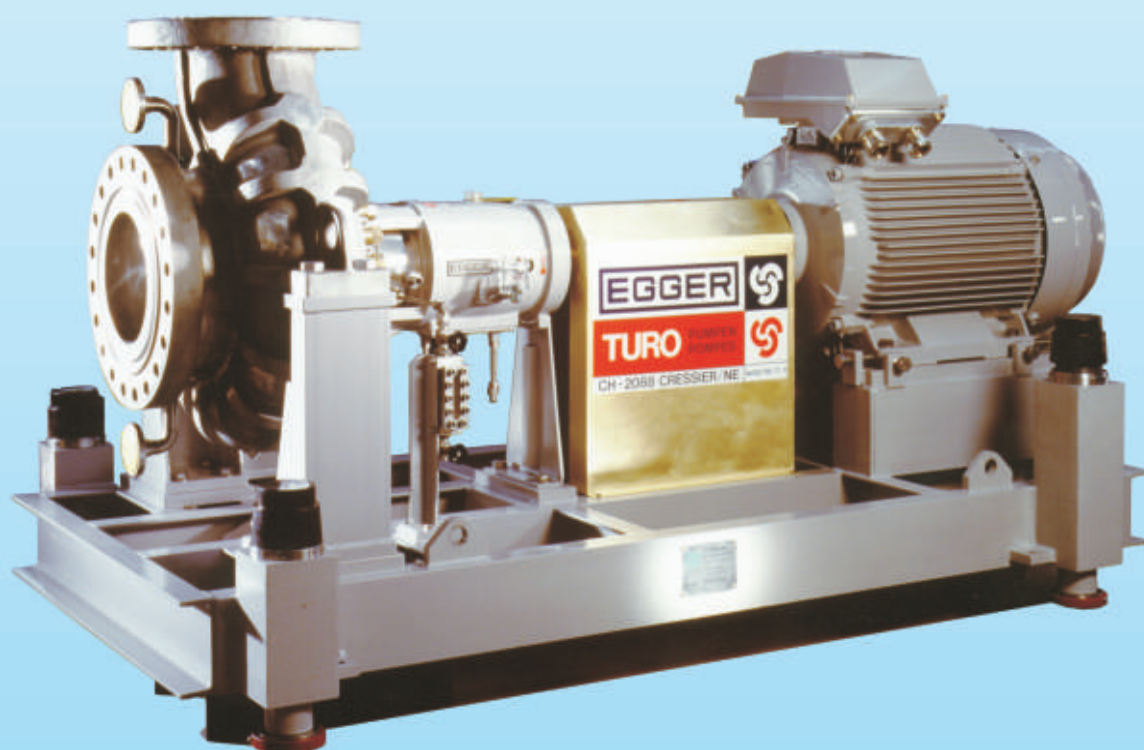
EGGER

Solids Handling Pump Programme

Design HT/HPT, Series EO

*The Reactor Pump for High Temperature HT and
High Pressure HPT Applications*

- Chemical Industry
- Petrochemical and Refineries

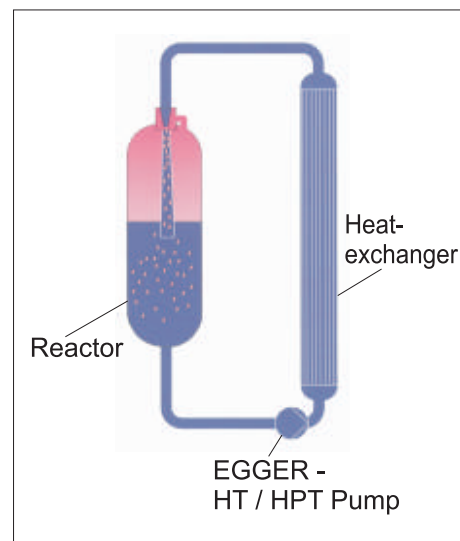


Pump applications

Circulation of reactors via external heat exchangers - LOOP-reactors
Pumped liquids with solid catalysers and gases at high system pressures and temperatures

Examples:

- Hydrogenation
- Ethoxylation
- Grease acids und grease alcohols
- MMA and PMMA
- Suspensions
- Polymers (e.g. HDPE-Slurry)



LOOP-Reactor

Description

Horizontal single stage process pump with a unique impeller design capable of pumping liquids containing solids or gases.

High efficiency, low NPSH values due to a special impeller entry design, as well as high capabilities of handling homogeneous slurries containing varying amounts of entrained air and gases without clogging or air locks.



Design

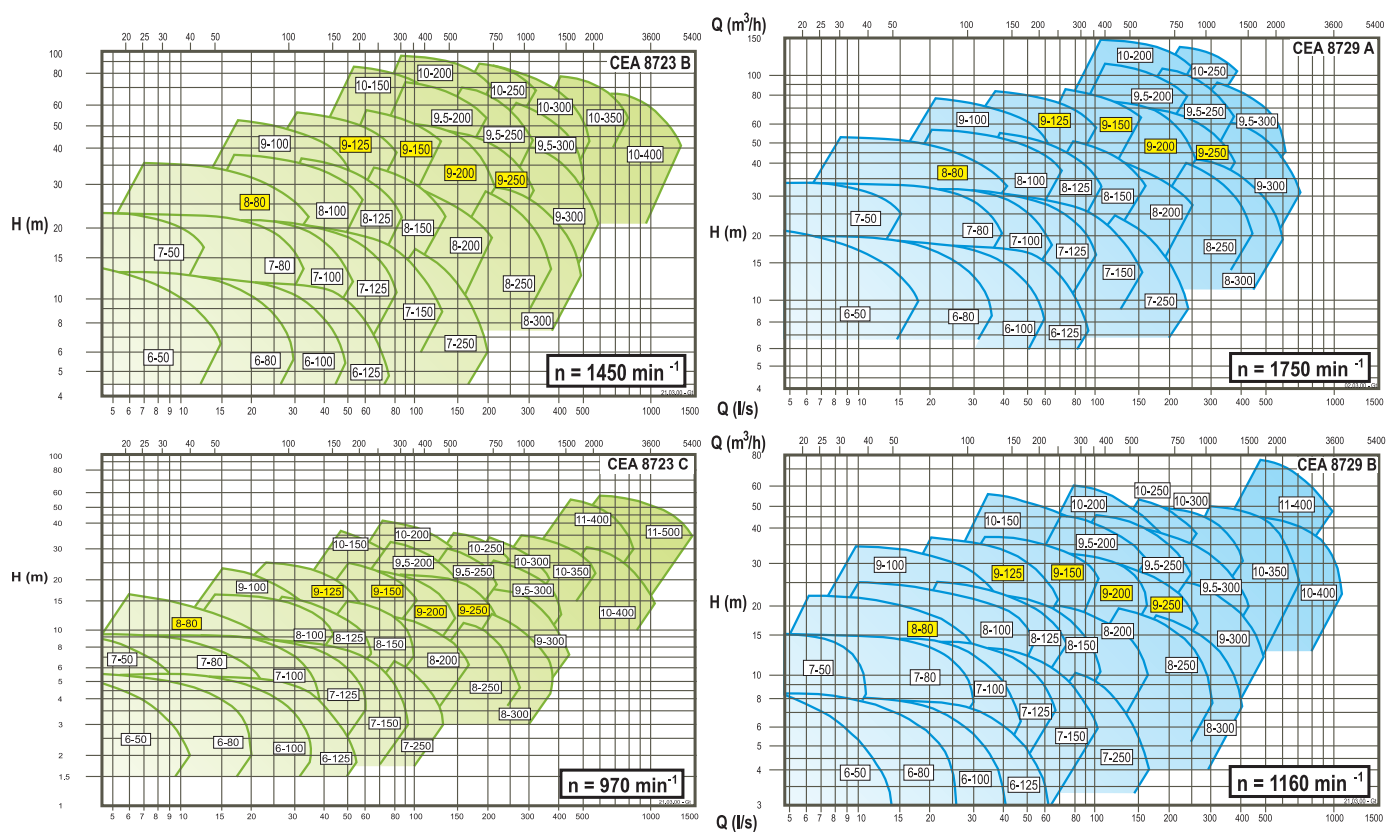
HT - horizontal high temperature

Max. service pressure	25 bar
Service temp.	180 °C up to 250 °C
Casing feet	Centreline supported - API 610 OH2
Max. flanges	DIN PN40, ANSI 300"lbs
Materials	Duplex 1.4517, 1.4593 Special materials on request

HPT - horizontal high pressure and high temperature

Max. service pressure	100 bar
Service temp.	180 °C (up to 350 °C)
Casing feet	Centreline supported - API 610 OH2
Max. flanges	DIN PN100, ANSI 600"lbs
Materials	Duplex 1.4517, 1.4593 or special materials if necessary Special materials on request

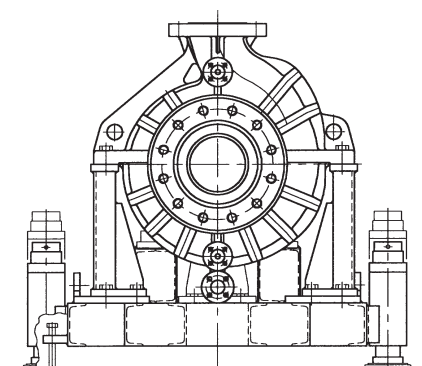
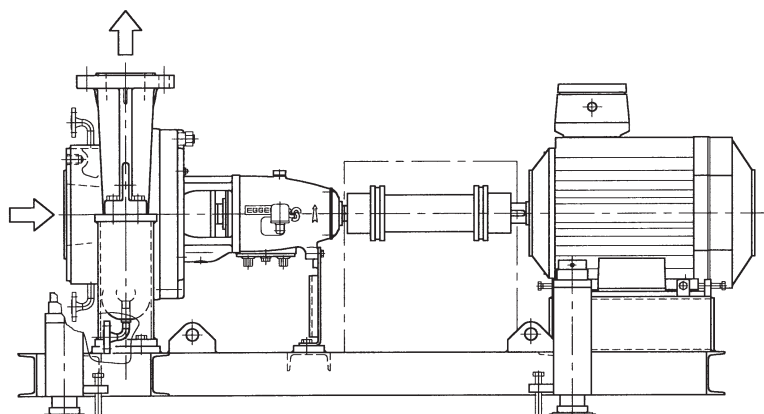
Performance Curves



All sizes are available in HT
 = Available in HPT

Supply options

- Heating / cooling jacket on suction side
- Heating / cooling jacket on seal side
- Double or triple mechanical seal according pumped liquid
- Shaft in heavy duty cast-iron
- Casing with special drain-off
- Bearing housing with labyrinth type seals
- Bearing housing with cooling coil
- Torsion resistant base plate
- Base plate with sprung feet to compensate for thermal expansion in pipework
- Drip tray in stainless steel



Ethoxylation



Hydrogenation



HDPE-Plant



Pilot-Plant *)



*) Ask us for your pilot plant.

Subject to technical modification.