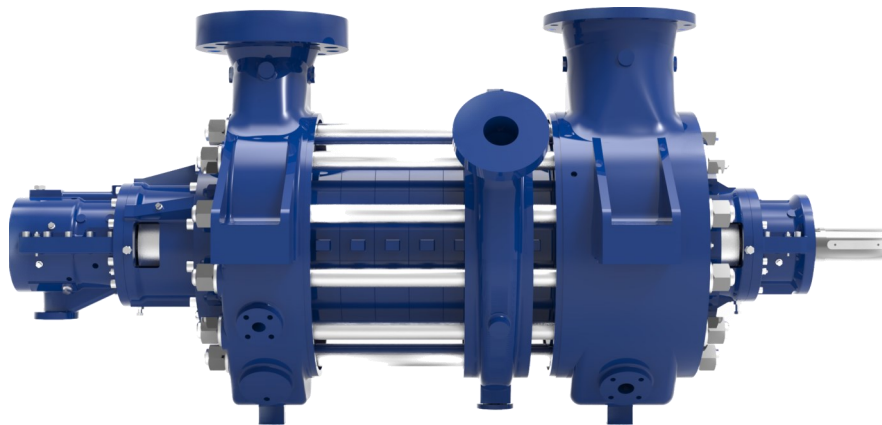


BROCHURE NPH SERIES

BIRAGHI POMPE 1906



- *ITALIAN QUALITY*
- *SINCE 1906*

**NPH API 610-BB4 HORIZONTAL HIGH PRESSURE
MULTI-STAGE PUMPS**

2025



NPH SERIES—BIRAGHI POMPE 1906

NPH PROCESS PUMP

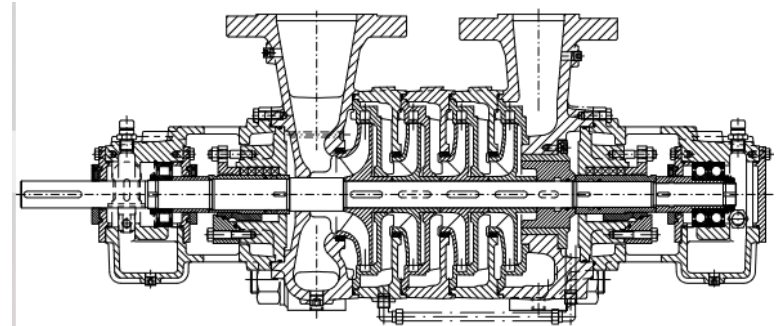
General Description

Type NPH, find the main application as heavy duty process pumps as:

- Main & start-up boiler feed water for fossil fuel power plants
- High pressure auxiliary services in general industry, petrochemical and RO Desalination plants
- Fire fighting systems
- Water transmission pipelines and water distribution
- Sea water transfer in nuclear power plants
- Condensate extraction

FEATURES DESIGN—PUMP CASE

Suction and discharge covers are center-line mounted, between bearings, single casing, diametrically split, and multistage pumps with a diffuser design. Casings are pressed together by external tie bolts and sealed by confined o-rings. The NPH series has a first stage double suction impeller for low NPSH applications while top-top suction and discharge nozzles are standard option



Rotation

Rotation is counterclockwise when viewed from the coupling end.

NPH SERIES—BIRAGHI POMPE 1906

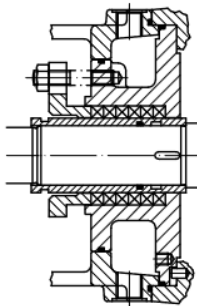
Bearings and Lubrication

The pump's axial thrust is compensated by a balancing disk or balancing drum while The bearing design depends on the type of axial thrust balancing system.

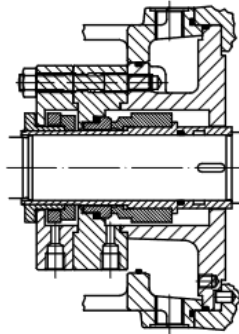
Upon request a bleed off nozzle can be provided.

A special product lubrication bearing design is available for high pressure reverse osmosis service.

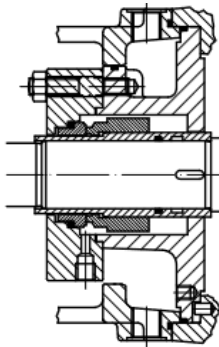
Optional Features



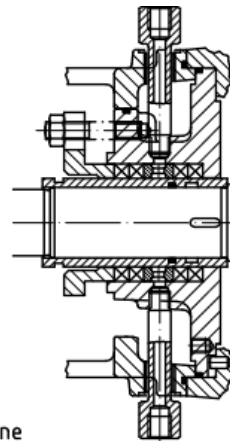
Camera di raffreddamento
Cooling chamber



Tenuta meccanica doppia
Double mechanical seal



Tenuta meccanica
Mechanical seal



Flussaggio baderne
Gland packing

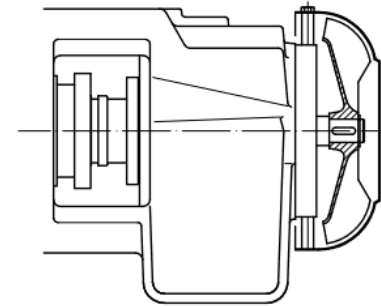
Capacity	to 2000 m ³ /hr
Head	to 4000 m
Max working pressure	to 450 bar
Temperature	to 220 C°

NPH SERIES—BIRAGHI POMPE 1906

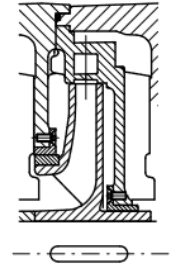
APPLICATION

- ⇒ Oil & Gas
- ⇒ Fluid transportation
- ⇒ Pipeline
- ⇒ Hydrocarbon booster
- ⇒ Condensate extraction

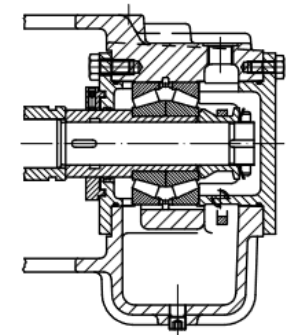
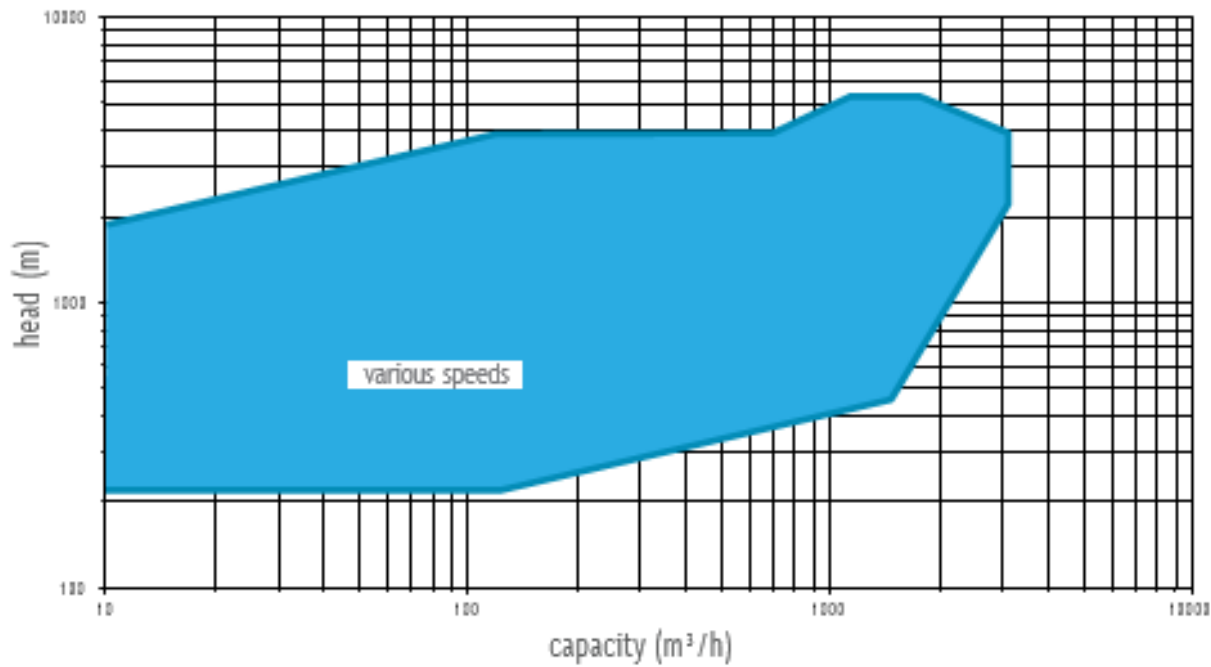
Optional Features



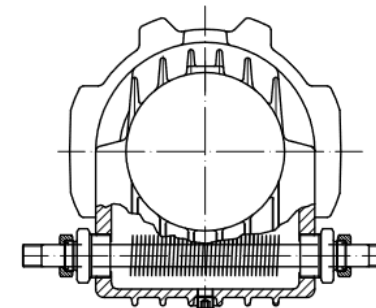
Raffreddamento supporto ad aria
Bearing fan cooling



Anello di usura
Wear ring



Cuscinetto rinforzato
Reinforced bearing



Raffreddamento supporto ad acqua
Bearing water cooling

Biraghi Pompe 1906 Plants



NIGERIA



UAE



ITALY



Biraghi
POMPE1906

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