NFE 44121 - DIN 24256 - ISO 2858 - ISO 5199 - ISO 15783

Generalities

The horizontal, single stage centrifugal pumps of the NP-M range are intended for the pumping of clear corrosive liquids in the most various fields of industry.
They are different from conventional pumps by a total tightness due to magnetic drive (seal less).
The NP-M range offers flow rates up to 100 m^3/h (440 US gpm) and a discharge head up to 60 mcl (196.5 ft).

Normalized

The dimensions and characteristics of NP-M pumps correspond to standards NFE 44121- DIN 24256 - ISO 2858 and 5199.

They are in conformity with :

- **Machinery directive 98/37/EC annex II A.**
- **Electromagnetic compatibility directive**
- **89/336/CEE annex I.**
- **Low voltage directive 72/23/CEE annex III B.**

ATEX Conformity

For the EC zone all normalized pumps and their alternates are available ATEX certified.
Group II Category 2G
Group II Category 3G
II 2/3 G c T4. (other on demand)
Voluntary certification INERIS 04 ATEX 3008X.

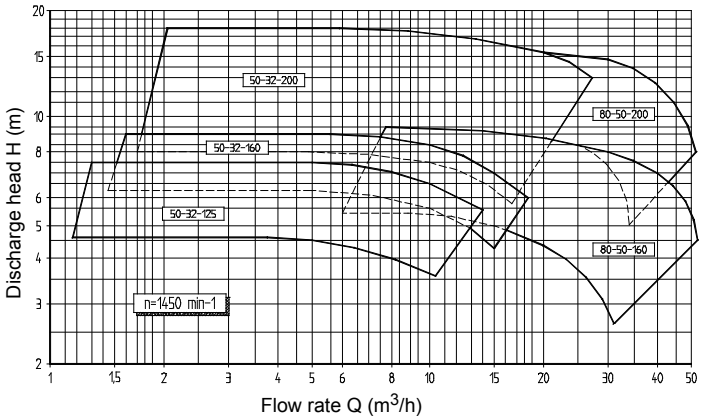
Connections

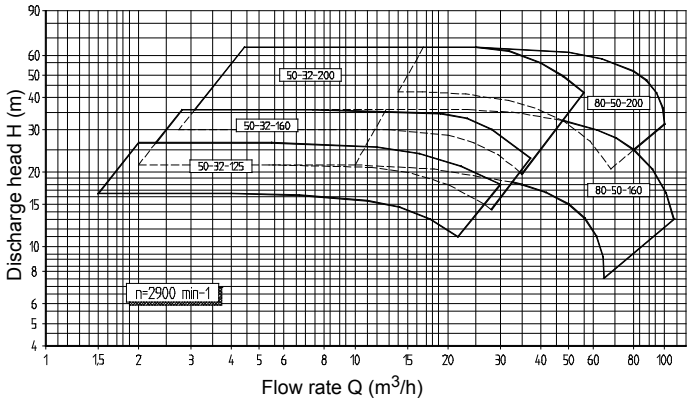
Suction and discharge flanges are in accordance with NFE 29-203, DIN 2533, ISO PN16.
Other standards on demand.

Application fields

- **Clear and corrosive fluids.**
- **Toxics and polluting fluids.**
- **Environmental protection.**

Diagrams





Someflu
Corrosion Resistant Centrifugal Pumps
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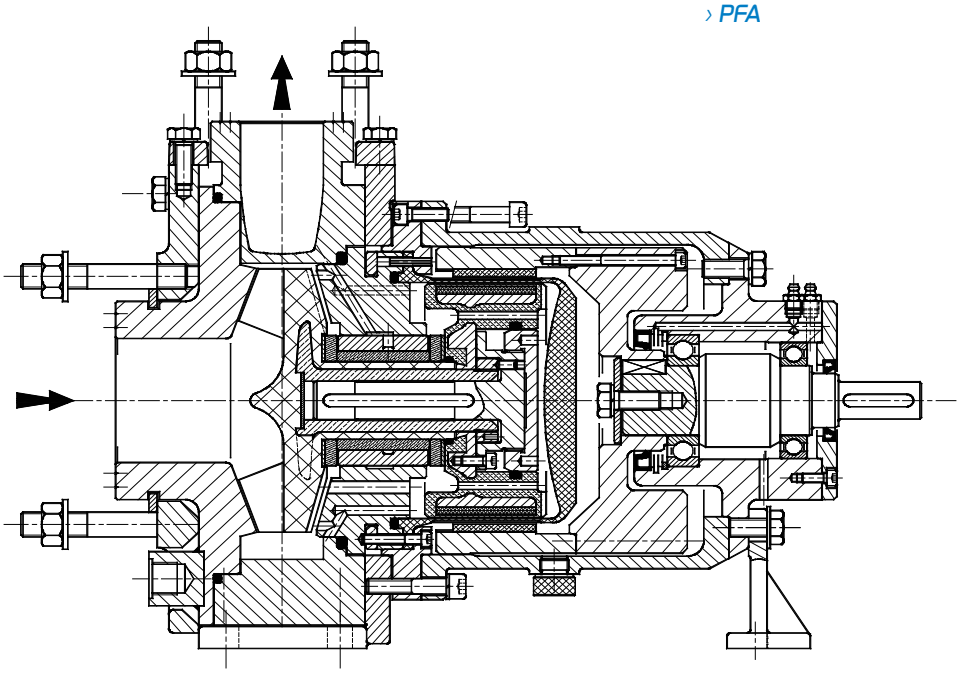
Construction

The hydraulic part is entirely realized of thick walled plastic materials.
There is no metallic component in contact with the liquid pumped.

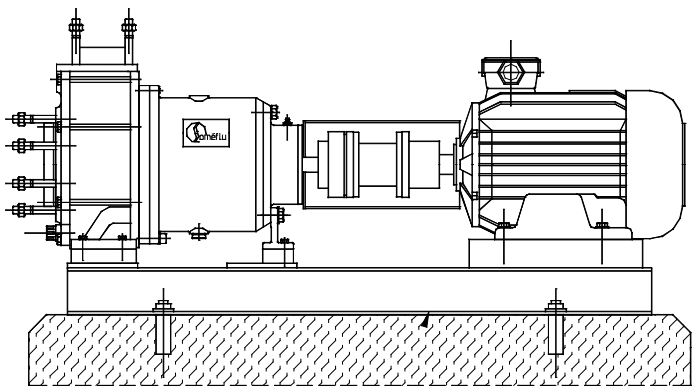
› Polypropylene PP or PP-EL
› Polyethylene PE-HD or PE-EL
› PVDF or PVDF-EL
› PTFE
› PFA

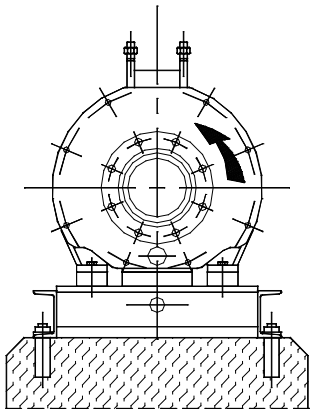


Main advantages

- **External nozzle loads absorbed by largely designed metallic casing supports and protected by 3 lais of polyurethane resin coats.**
- **High running reliability due to use of polymer parts manufactured in the block.**
- **No metal parts in contact with the pumped liquid.**
- **Open impeller hydraulically balanced, manufactured in PVDF accordingly to a process ensuring a high quality and a great material homogeneity.**
- **Carbon or SiC sleeve bearing with an anti-friction treatment for a better behaviour in case of bad lubrication.**
- **Rotor torque transmission via a pressed-in metal hub and a key.**
- **Containment shroud made of reinforced PVDF without risks of heating by eddy current losses.**

Overview of group





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