

Generalities

The horizontal single stage close coupled pumps of the range HMI-N/S are intended for the pumping of fluids requiring stainless steel construction in the most various fields of industrial activities.

The range of HMI-N/S pumps offers flow rates up to 60 m³/h (264 US gpm) and a discharge head up to 80 mlc (262 ft).

For higher performances refer to the brochure HMI with chemical normalized hydraulics and ECO-I.

Construction

All components in contact with the pumped liquid are made of stainless steel.

- X2 Cr Ni Mo 17-12-2 (AISI 316L)
- X1 Ni Cr Mo Cu 25-20-5 (AISI 904L)
(for all concentrations of H₂SO₄)

ATEX Conformity

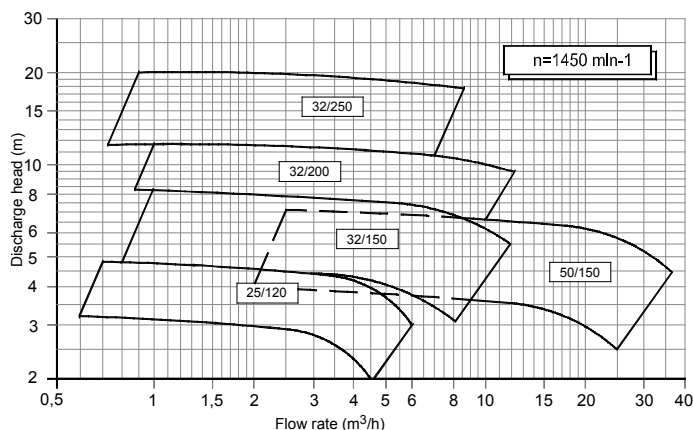


For the EC zone the HMI-N/S pumps are available certified as per ATEX 94/9/CE.

II 2/3 GcT4 (others on demand).

Voluntary certification INERIS 06 ATEX 3005X.

General diagrams

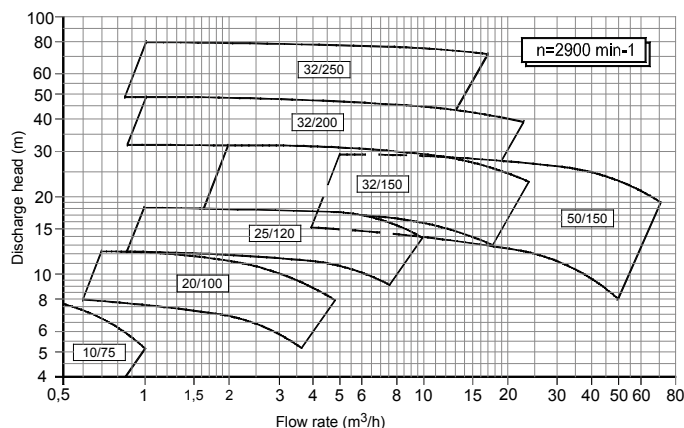
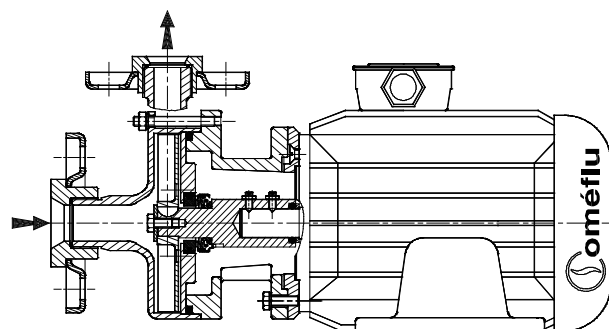


Sealing

The HMI-N/S pumps can be equipped with different mechanical seals accordingly to the pumped fluid.

- Single acting mechanical seal
- Double acting mechanical seal

For applications with magnetic drive refer to the brochure IMA.



Application fields

- Food and pharmaceutical industry, nuclear industry.
- Transfer of aggressive solutions.
- Unloading of trucks, tanks and containers.
- Cryogenic. (- 73°C with special gaskets).
- Hot liquids (+180°C with thermal barrier).
- Cosmetics.
- Solvents.

Main advantages

- Reliability and robustness due to a moulded construction.
- Open impeller for slightly charged liquids.
- Closed impeller for hot liquids.
- Motors normalized as per IEC standards.
- Simplified maintenance.
- Dismantling without special tools.

