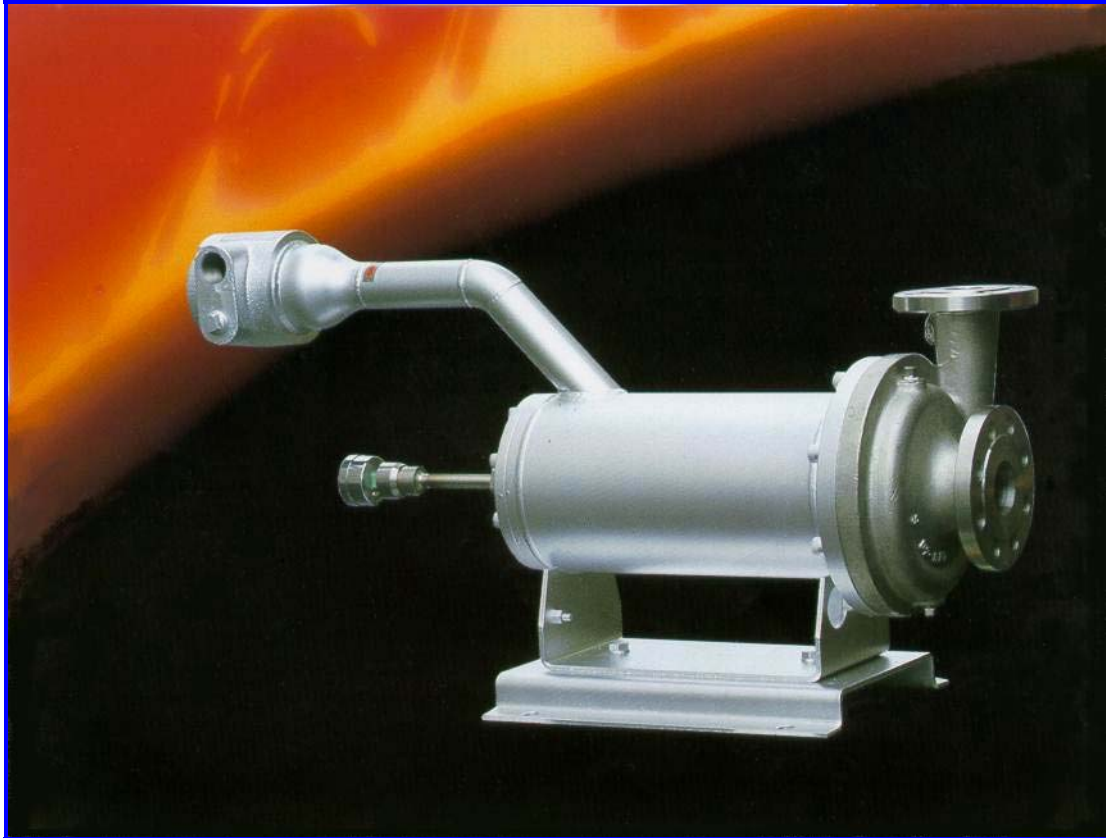


NIKKISO Non-Seal® Pump



HX - Series



High temperature liquids - No leakage - No cooling required

max. 160 m³/h

max. head 120 m

max. liquid temperature 350°C



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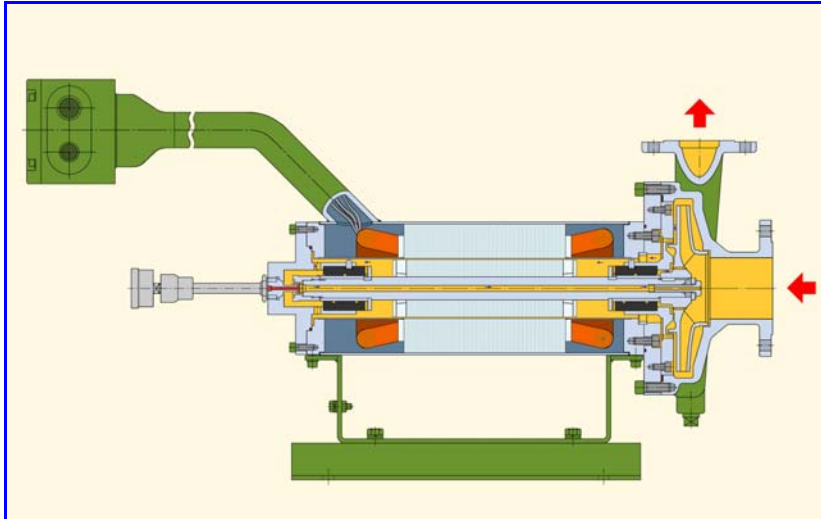
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HX - Series Features

General

Nikkiso canned motor pumps HX-Series are centrifugal pumps, which are hermetically encapsulated. The shaft seal usually installed for centrifugal pumps is not required. The pumps are driven by integrated canned motors especially designed for high temperature applications. Space requirement and noise emission are much lower than those of conventional centrifugal pumps. The pumps are equipped with Nikkiso's unique bearing monitor.



- Hermetically sealed
- Compact size
- For liquid temperature up to 350°C without external cooling
- Axial thrust balanced for long bearing life
- Heating jackets for motor and pump available
- Bearing wear control by Mechanical or E-Monitor
-

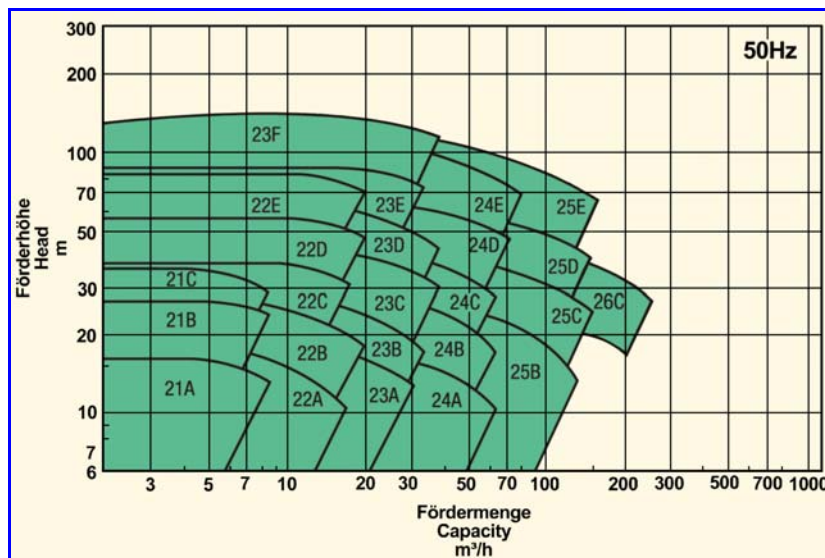
Applications:

The use of Nikkiso canned motor pumps HX-Series are mainly used for aggressive, inflammable, explosive and poisonous clean liquids at high temperatures.

Typical application

- Hot water
- Heat transfer oil up to 350°C
- Solidifying liquids with melting points up to 270°C

Pressure / Capacity Envelope



Materials (Standard design)

Part	Code
Casing(s)	1.4408
Impeller	1.4401
Gaskets	1.4401 / Graphite spiral wound
Bearing housing	1.4401
Bearing	Special Carbon or SiC
Shaft sleeves	1.4401 / Metco
Thrustwasher	1.4401 / Wolframcarbide 1.4401 / Chromoxide
Stator shell	1.0040
Can	Hastelloy
Rotor/Stator end cover	1.4401
Base / Motor support	1.0040

Other Materials on request

Driver

- Incorporated 3-phase asynchronous motor IP67 / IP65 and flame proof acc. to ATEX 100a (94/9/EG).
- The motors are in accordance with VDE/EN requirements.
- Winding protection (Pt100)