

Canned Motor Pump

SGM - Series

HT - Type



For high temperature liquids - watercooled



Capacity	max. 1000 m ³ /h
Head	max. 200 m
Motor rating	max. 250 kW
Medium temperature	- 50 to +400 °C

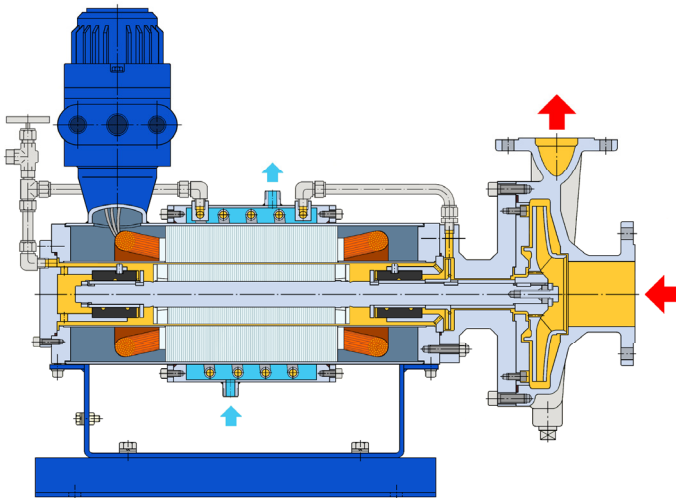
General SGM – Series HT - Type

Nikkiso SGM - Series canned motor pumps are centrifugal pumps, which are due to their construction without shaft seals. The pumps are driven by integrated canned motors. Space requirements and noise emissions are much lower than those of conventional centrifugal pumps.

The pumps are equipped with Nikkiso's unique E-Monitor.

The HT-type is designed for hot fluid application up to 400°C. The pump and the motor are separated by a heat barrier, the motor is additionally equipped with a cooling jacket and a heat exchanger.

The rotor chamber is filled with the pumped liquid, which is circulated through the heat exchanger by an auxiliary impeller, the liquid also lubricates the bearings.



- Compact size
- Axial thrust balanced for long bearing life
- Bearing wear monitoring
- Nikkiso's block building system
- High efficiency

Applications

Nikkiso HT Series canned motor pumps can be used with numerous Liquids and offer advantages over conventional pumps when pumping water.

HT- Type pumps are mainly used for liquids at high temperature like heat transfer oil and hot water (>+200°C)

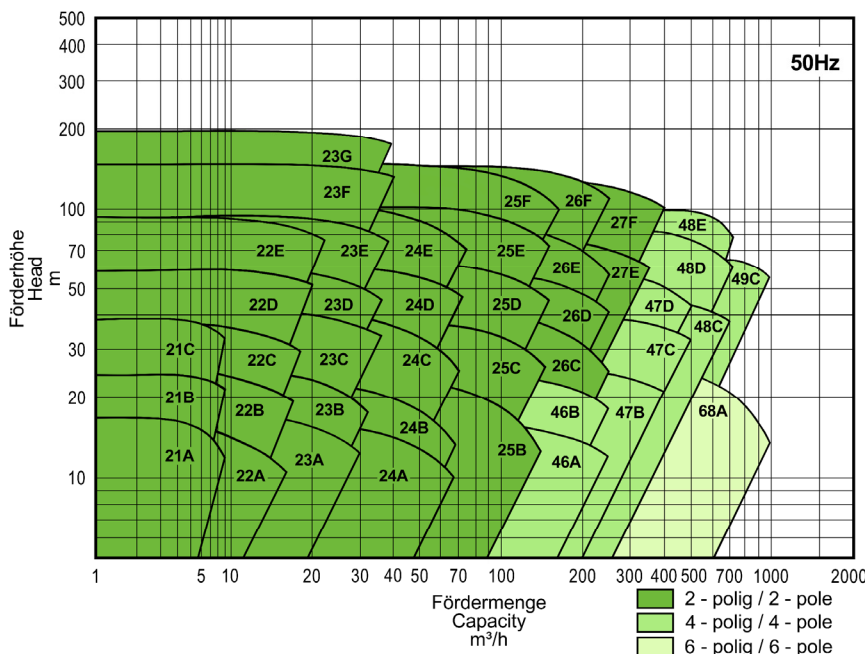
The pumps are proven for use in vacuum systems.

The pumps are designed for the:

- Chemical and Pharmaceutical industry
- Petrochemical industry

Pressure / Capacity Envelope

Materials (Standard design)



Part	Code
Casing(s)	1.4408
Impeller	1.4408
Gaskets	PTFE
Bearing housing	1.4401
Bearing	Special Carbon or SiC
Shaft sleeves	1.4401 HCR or 1.4462 Wrc
Thrustwasher	
Motor housing	1.0040 or 1.4301
Base plate	1.0040 or 1.4301
Can	Hastelloy
Rotor/Stator end cover	1.4401

Other material on request

Driver

- Integral 3-phase asynchronous motor IP66 and Explosion Protection acc. to Directive 94/9/EC (ATEX 95).
- The motors are in accordance with VDE/EN requirements.
- Thermal winding protection