



## SGM - Series HN - Type



### Standard range - Hermetically sealed

Capacity	max. 850 m <sup>3</sup> /h
Head	max. 200 m
Motor rating	max. 200 kW
Temperature range	50 to +170 °C

# SGM - Series HN -Type

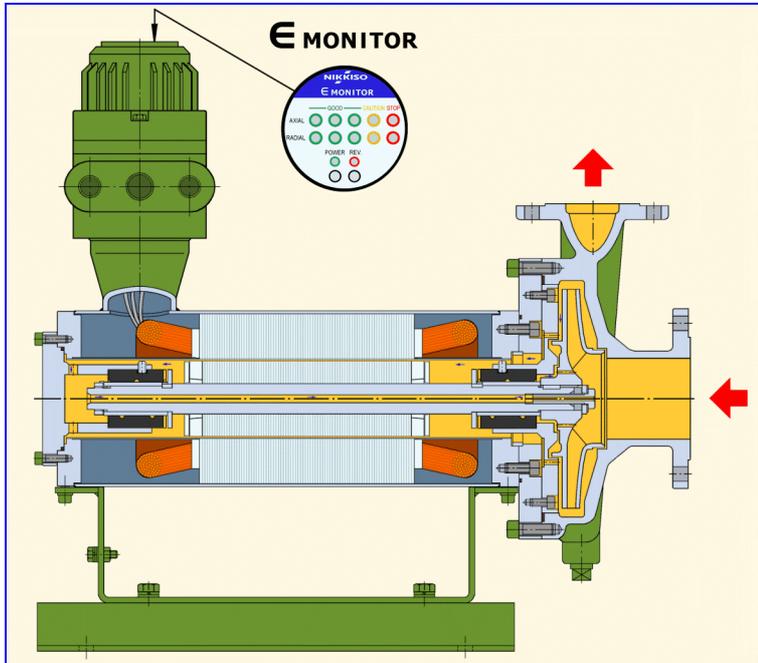
## General

Nikkiso SGM - series canned motor pumps are centrifugal pumps, which due to their construction are hermetically encapsulated. The shaft seal usually required on centrifugal pumps is not necessary. 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.

Special designs are available for slurries, heat transfer liquids and liquefied gases.



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

## Applications

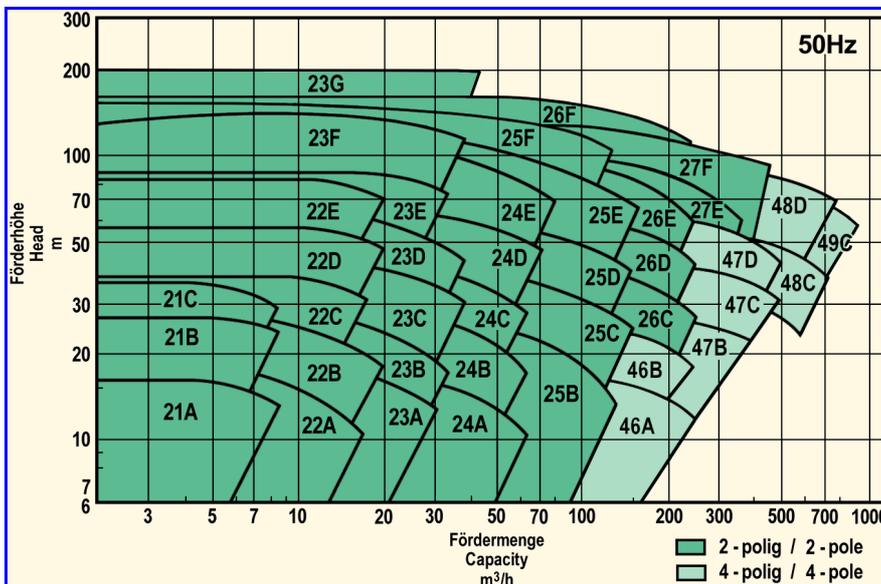
The use of Nikkiso SGM - Series canned motor pumps is mainly for aggressive, inflammable, explosive and toxic clean liquids.

The pumps are proven for use in vacuum systems.

The pumps are used in

- The Chemical and Pharmaceutical industry
- The Petrochemical industry
- Refrigeration plants
- Plants handling liquefied gases

## Pressure / Capacity Envelope



## Materials (Standard design)

Part	Code
Casing(s)	1,4408
Impeller	1,4401
Gaskets	PTFE
Bearing housing	1,4401
Bearing	Special Carbon or SiC
Shaft sleeves	1,4401 HCR or WC
Thrustwasher	
Motor housing	1,0040 or 1.4301
Base plate	1,0040 or 1.4301
Can	Hastelloy
Rotor/Stator end cover	1,4401

Other Materials on request

## Driver

- Integral 3-phase asynchronous motor IP67 / IP65 and flame proof acc. to ATEX 100a (94/9/EC).
- The motors are in accordance with VDE/EN requirements.
- Thermal winding protection