

INX GenIO

In-Line Centrifugal Pump
with Frequency Inverter on Motor



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Suction Flange	: DN 40...DN 65
Discharge Flange	: DN 40...DN 65
Operating Pressure	: 10 Bar
Operating Temperature	: -25 - 120°C
Flow Range	: 2 - 50 m ³ /h
Man. Pressure Range	: 3 - 35 m
Speed Range	: 1500 - 3000 rpm



Areas of Application

- Water supply and pressure boosting systems
- Irrigation, sprinkler and water drainage
- Hot or cold-water circulation in heating and cooling systems
- While filling and discharging warehouses and tanks
- Industrial processes

Shaft Specifications

The motor shaft is manufactured to be directly connected to the pump

Sealing Applications

- Mechanical seals are used as standard.
- The mechanical seal is lubricated by the pumped fluid.

Bearing

The motor shaft is bearing-supported via the motor end cover and an adapter. The pump's axial and radial forces are absorbed by the motor bearings. These bearings are filled with heat-resistant grease sufficient for their lifetime.

Pump Coding

	INX	GenIO	40	-	125
Serial Name	_____	_____	_____	_____	_____
Accessory	_____	_____	_____	_____	_____
Nominal Diameter of the Discharge Flange (mm)	_____	_____	_____	_____	_____
Nominal Diameter of the Impeller (mm)	_____	_____	_____	_____	_____

Design Features

This is a single-stage, self-priming, in-line centrifugal pump with a solid shaft motor.

Basic dimensions and rated flow rates are designed according to DIN 24255 and EN 733 standards.

Single suction, closed type impeller with balanced axial loads and dynamically balanced.

Suction and discharge flanges comply with TS EN 1092 -2 / PN 16 standards. Suction and discharge flanges are identical and on the same axis. Both flanges have pressure relief holes.

The shaft motor is coupled to the pump via an adapter.

The impeller and other parts can be removed without tampering with the suction and discharge pipes or the body, which greatly simplifies installation and maintenance.

Specifications of the Frequency Inverter

Compatible with asynchronous motors and PMSM motors. Offers the flexibility to operate seamlessly with different motor types.

It can operate within a power range of 0.75–18.5 kW and provides an output frequency of 0–600 Hz. Its wide operating range makes it suitable for use in a broad range of applications.

Offers precise system control with advanced PID control and dual pressure transmitter support. Its backup feature ensures uninterrupted operation in the event of transmitter malfunctions.

Real-time system data (pressure, frequency, current, output power, etc.) can be monitored on the graphic LCD display.

The user-friendly interface allows for easy monitoring of system performance.

Focused on energy efficiency, it lowers the output voltage automatically under partial load conditions to optimize energy consumption

It improves system security by cooperating with water leak detecting systems.

The Mod-Bus communication protocol and compatibility for 24 V external device power supplies are available. It allows for easy integration into automation systems.

PART NAME	MATERIAL		
	Cast Iron GG25	Noryl	AISI 420
Pump Body	●		
Adapter	●		
Impeller	○	●	
Shaft			●

● Standard Material ○ Optional Material

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+90 850 888 8 627

Orta Mahallesi Atayolu Caddesi
No:16 Tuzla - İstanbul / Türkiye

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