

INM Duo

In-line Twin Mounted Centrifugal Pumps



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Suction Flange	DN 40...DN 125
Discharge Flange	DN 40...DN 125
Operating Pressure	10 Bar
Casing Test Pressure	13 Bar
Operating Temperature	-25 - 120°C
Flow Range	2 x (2 – 320) m ³ /h
Man. Head Range	2 - 100 m
Speed Range	1000 - 3600 rpm



Fields of Applications

Water supply and pressurization plants

Irrigation, sprinkling and water drainage

Hot or cold water circulation in heating and cooling systems

Filling and emptying of warehouses and tanks,

Fresh and sea water pumping on vessels

Design Specifications

It consists of two single-stage, non-self-priming, in-line centrifugal pumps.

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

Single-suction, closed-type impeller; equipped with back rings to compensate axial loads and dynamically balanced.

The flanges comply with DIN 2535 and are PN 16 pressure class. The suction and discharge flanges are identical and on the same axis. Both flanges have pressure relief holes.

The motor is coupled to the pump by mounting the motor shaft onto the pump shaft via an adapter and flange.

The pump shaft, impeller and other parts can be removed without interfering with the suction and discharge pipes or the casing, which greatly simplifies installation and maintenance.

Shaft Specifications

The motor shaft is manufactured to be mounted to the pump shaft; however, after a certain power, the pump and motor shafts are connected with a separate coupling.

Sealing Applications

Mechanical seals are used as standard.

The mechanical seal is lubricated with pumped liquid

Bearings

The motor shaft is engaged to the pump shaft. After a certain engine power, the pump shaft and the motor shaft are connected with a separate coupling. The motor bearings are sufficient to carry the axial and radial loads. These bearings are filled with a lifetime supply of heat-resistant grease.

Pump Tagging

INM Duo 100 - 200

Series Name _____

Mounting Type _____

Discharge Flange Nominal Diameter (mm) _____

Impeller Nominal Diameter (mm) _____

PART	MATERIAL					
	Cast Iron GG25	Ductile Cast Iron GGG40	AISI 420	AISI 304	AISI 316	Cast Bronze CuSn10
Pump Casing	●	○		○	○	○
Adapter	●	○		○	○	○
Impeller	●	○		○	○	○
Shaft			●	○	○	
Motor Flange	●	○		○	○	○
Wearing Ring	●	○		○	○	○

● Standard Material

○ Optional Material

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