

CP2E, CP2-GE / DCP2E, DCP2-GE

ELECTRONIC IN-LINE PUMPS



TECHNICAL DATA

Operating range: up to 105 m³/h

Head: up to 110 m

Type of pumped liquid: clean, free of solids and abrasives, non-viscous, non-aggressive, non-crystallised and chemically neutral, with properties similar to water

Glycol percentage (maximum): 50%

Liquid temperature range: from -15 °C to +140 °C

Maximum ambient temperature: +50 °C

Maximum operating pressure: 1600 kPa / 16 bar

Flanging or threading: flanging PN 10/PN16

Motor efficiency: IE2 up to 0,55 kW; IE3 ≥ 0,75 kW

Motor protection class: IP 55

Motor insulation class: F

Impeller material: cast iron or technopolymer

Three phase power input: 3x230 V 50 Hz / 3x400 V 50 Hz

Max rpm: 2910 rpm

Type of installation: Fixed in horizontal or vertical position with motor in up position. Only in vertical position for motor from 7,5 kW.

Circulation pumps with inline ports, suitable for use in heating and air-conditioning, refrigeration and domestic hot water systems. The use of the MCE-C variable frequency drive makes this a particularly versatile unit by ensuring that performance is automatically adjusted to match the system's different requirements, at the same time maintaining constant differential pressures. They come in single and twin-head versions.

CONSTRUCTION FEATURES OF THE PUMP

PN10 or PN16 flanged inlet and outlet with threaded holes for control pressure gauges. Cast iron pump casing and motor mount, cast iron or technopolymer impeller depending on the model. AISI 316 motor shaft. Mechanical seal with silicon carbide stationary face and rotating face.

CONSTRUCTION FEATURES OF THE MOTOR

IE5-rated permanent magnet motor on models up to 2.2 kW paired with NgDrive to achieve the highest possible efficiency rating. IE3 motor paired with MCE-C on 3kW models and up.

CONSTRUCTION FEATURES OF THE ELECTRONIC

The inline motor-driven pumps are controlled using NgDrive, the variable-speed control unit designed to adapt performance to match the system's actual requirements, with a resulting reduction in power demand along with energy savings. The gradual motor speed adjustment decreases the potential for component wear and protects the pump from water hammer.

The graphic display makes the unit easy to read and simplifies the process of entering operation settings; system setup is also very simple thanks to the relevant wizard.

A lot of thought has gone into the functional design to ensure installation and maintenance are straightforward: it is easy to handle; it can be mounted on a wall or on the pump in 5 different positions; and it is split into two parts so that the various components inside can be mounted and serviced separately. It delivers efficiency, energy savings, and is supremely user friendly.