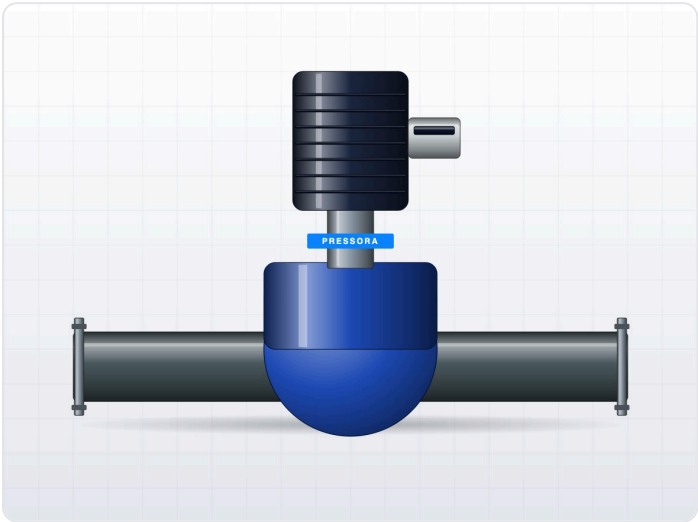


ILLUSTRATIVE DEMONSTRATION DATASHEET — fictional product and data; not for engineering or purchasing use.

IC-50 Inline Circulator

Model IC-50

Inline circulator for heating and cooling circuits.



FLOW RATE
Up to 160 m³/h

HEAD
Up to 24 m

FLUID TEMPERATURE
-10 to 110 °C

MAX. WORKING
PRESSURE
16 bar

OVERVIEW

The IC-50 mounts directly in the pipework with suction and discharge on a common axis. A permanent-magnet motor with integral controller adjusts speed to the circuit demand.

It is built for heating, chilled-water and process-cooling loops.

KEY FEATURES

- Integral variable-speed controller
- Compact flanged inline body
- Permanent-magnet motor
- Low-noise operation

TECHNICAL SPECIFICATIONS

HYDRAULICS	Flow range	2 – 160 m ³ /h
HYDRAULICS	Head range	2 – 24 m
CONNECTIONS	Inline flanges	DN 32 – DN 150, PN16
DRIVE	Motor power	0.1 – 15 kW
OPERATING LIMITS	Max. working pressure	16 bar
OPERATING LIMITS	Fluid temperature	-10 to 110 °C
CONTROL	Control modes	Constant pressure, proportional pressure, constant speed
Complete unit		12 – 96 kg

MATERIALS OF CONSTRUCTION

CASING	Cast iron, cataphoretic coating
IMPELLER	Composite
SHAFT	Stainless steel
BEARINGS	Carbon, water-lubricated

STANDARDS AND OPERATING CONDITIONS

Design reference: ErP efficiency approach (illustrative)
Heating and cooling water; glycol mixtures up to 40%.