

*All you've
ever wanted,
**IN A SIZE YOU
APPRECIATE***



Designed to make a Difference

Simply Necessary

Innovation is at the heart of all Grundfos product solutions and the CM/CME is no exception. This horizontal multi-stage pump is a compact, reliable and quiet pump solution from Grundfos.

Compactness

Reduce the footprint, keep the performance. Advanced processes and technologies in the design give the CM/CME pump a dimensional advantage.

Reliability

From end to end, Grundfos' proven quality and attention to detail is the difference between the CM/CME and competing pump solutions.

Grundfos has created a robust design to ensure secure clamping of the pump impellers by using the Nordlock® washer.

The Grundfos engineered shaft seal has been designed to eliminate industry-wide problems with shaft seals sticking where SIC-SIC seal faces are used. The solution builds on both the implementation of a rotation stop on the stationary ring and different surface finishing on both the stationary and rotating rings.

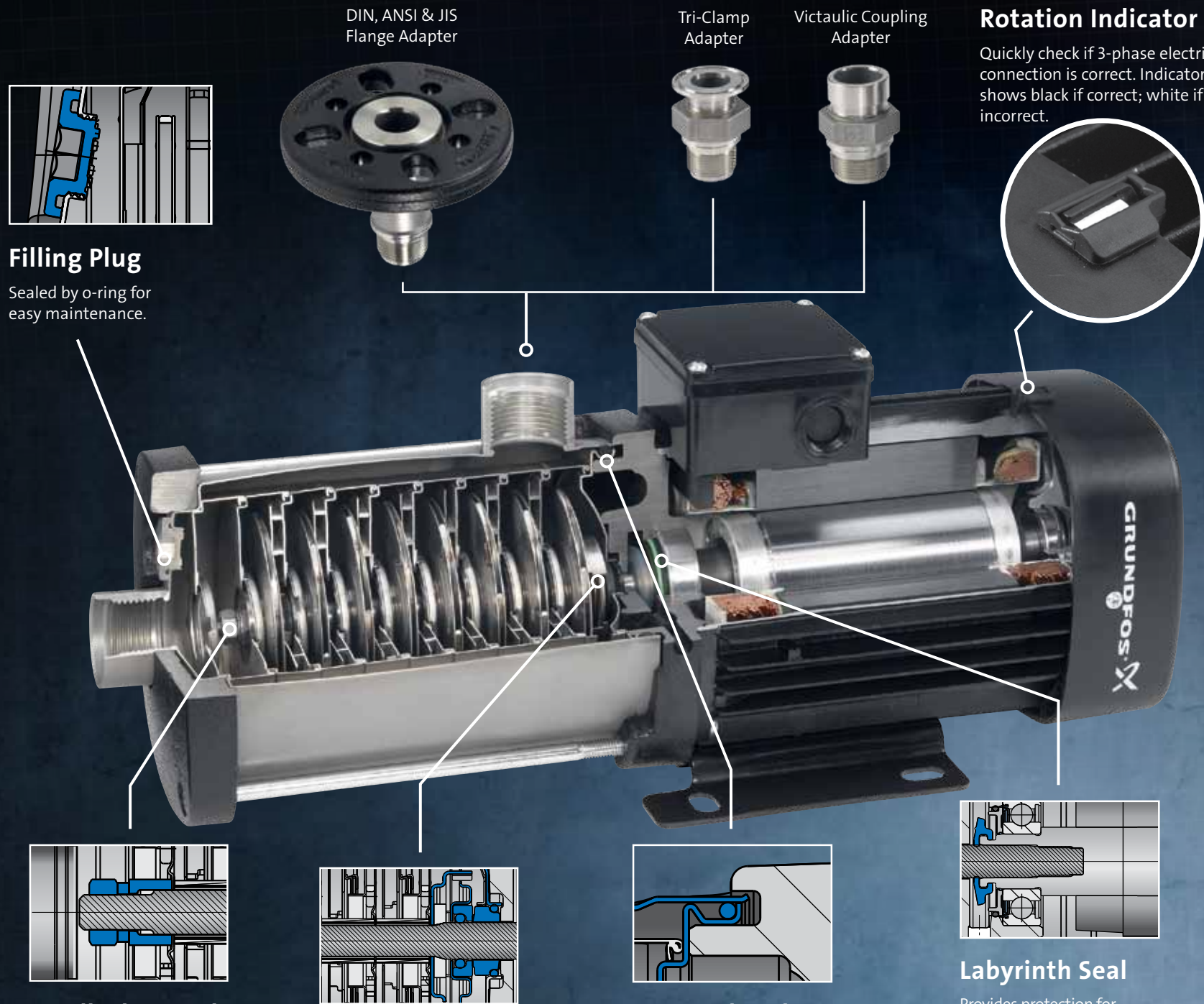
Flexibility

The Grundfos CM/CME is designed to be used in a variety of applications, including:

- washing & cleaning
- temperature control
- water treatment
- chemical and pharmaceutical industries
- building services
- irrigation

Materials of construction:

- ASTM A48 Cast Iron
- AISI 304 Stainless Steel
- AISI 316 Stainless Steel



Filling Plug

Sealed by o-ring for easy maintenance.

DIN, ANSI & JIS Flange Adapter

Tri-Clamp Adapter

Victaulic Coupling Adapter

Rotation Indicator

Quickly check if 3-phase electrical connection is correct. Indicator shows black if correct; white if incorrect.

Nordlock® Washer

Ensures secure clamping of pump impellers and provides quick and easy assembly and disassembly.

Grundfos designed mechanical o-ring shaft seal

Offers superior dry running capabilities and reduced sticking problems.

Encapsulated sleeve o-ring

Design retains o-ring when temperature change causes expansion and contraction.

Labyrinth Seal

Provides protection for motor bearings and reduces maintenance.

1

The CME pump has an integrated variable frequency drive and PLC which provides a wide range of unique benefits:

- Energy consumption reduced by up to half compared to fixed speed pumps
- The pump, motor and VFD is a compact system manufactured by Grundfos
- Reduced installation and wiring costs
- Easy installation
- The functionalities are designed for specific pump applications
- Wide range of control parameters

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CME Plus pump for constant pressure control

The CME Plus utilizes a "plug and pump" technology.

The CME Plus pump with pressure sensor is pre-programmed for operation.

The only set up required at commissioning is to adjust the setpoint pressure.

CM/CME Technical Data

Power	Temperature	Flow	Pressure	Standard Connections
0.3 to 8.4 HP	-22°F to +248°F	1 to 160 GPM	Max Head: 170 psi (393 ft) Max Operating: 232 psi	1" NPT 1 1/4" NPT 1 1/2" NPT 2" NPT

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- Water treatment
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- Building Services
- Irrigation

Three main models are offered, with a number of variants available through optional components. These main models are constructed in:

- Cast iron ASTM A48: Class 30B/EN-JL 1030
- AISI304/DIN 1.4301 Stainless Steel
- AISI316/DIN 1.4401 Stainless Steel.



DATA BOOKLET



CM I&O



CME I&O



CM/CME
MOBILE SITE

L-CM-SL-01 Rev. 10-13 (US)

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