

# CRE-H with sensor, pressure sensor mounting

Installation and operating instructions, supplement



# English (US) Installation and operating instructions

## Original installation and operating instructions.

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## 1. Limited warranty

Products manufactured by GRUNDFOS PUMPS CORPORATION (Grundfos) are warranted to the original user only to be free of defects in material and workmanship for a period of 24 months from date of installation, but not more than 30 months from date of manufacture. Grundfos' liability under this warranty shall be limited to repairing or replacing at Grundfos' option, without charge, F.O.B. Grundfos' factory or authorized service station, any product of Grundfos' manufacture. Grundfos will not be liable for any costs of removal, installation, transportation, or any other charges which may arise in connection with a warranty claim. Products which are sold but not manufactured by Grundfos are subject to the warranty provided by the manufacturer of said products and not by Grundfos' warranty. Grundfos will not be liable for damage or wear to products caused by abnormal operating conditions, accident, abuse, misuse, unauthorized alteration or repair, or if the product was not installed in accordance with Grundfos' printed installation and operating instructions.

To obtain service under this warranty, the defective product must be returned to the distributor or dealer of Grundfos' products from which it was purchased together with proof of purchase and installation date, failure date, and supporting installation data. Unless otherwise provided, the distributor or dealer will contact Grundfos or an authorized service station for instructions. Any defective product to be returned to Grundfos or a service station must be sent freight prepaid; documentation supporting the warranty claim and/or a Return Material Authorization must be included if so instructed.

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Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages and some jurisdictions do not allow limit actions on how long implied warranties may last. Therefore, the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from jurisdiction to jurisdiction.

### Warning

**Prior to installation, read these installation and operating instructions. Installation and operation must comply with local regulations and accepted codes of good practice.**

**This booklet should be left with the owner of the product for future reference and information regarding its operation.**



## 2. Symbols used in this document

### Warning

**If these safety instructions are not observed, it may result in personal injury.**



### Caution

**If these safety instructions are not observed, it may result in malfunction or damage to the equipment.**

### 3. General

Due to the discharge design of the CRE-H pump, it is necessary to mount the pressure transducer in the discharge piping beyond the discharge flange connection.

**Caution**

***Mounting the transducer on the pump discharge spool or on the pump head will result in erratic operation of the pump and "hunting" for the set point.***

The pressure transducer for your CRE-H pump has been connected to the terminal box at the factory and includes a 6 ft cable. The sensor needs to be installed into a 1/4" NPT fitting in the discharge piping.



**Fig. 1** Pressure transducer

TM06 1194 1914

### 4. Handling, locating and installing transducers

#### 4.1 Diaphragm

Do not insert anything into the end of the sensor or press or touch the diaphragm as you may damage or alter its calibration, particularly on low pressure range models.

#### 4.2 Fittings and hardware

Use appropriate pressure rated fittings and hardware. Make sure you have the correct thread type and size fitting. Your sensor should have 1/4" NPT threads.

#### 4.3 Location

Locate the transducer where it can be readily inspected and serviced. Avoid locations with excessive vibration.

#### 4.4 Installation

Installation should be made only by qualified personnel familiar with safety practices and knowledgeable with industry accepted standards relating to pressure systems. Be careful not to over-tighten when installing.

### 5. Disposal

This product or parts of it must be disposed of in an environmentally sound way:

Use the public or private waste collection service.

If this is not possible, contact the nearest Grundfos company or service workshop.

Subject to alterations.







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