CR, CRI, CRN

**Technical data**
- Flow rate: max. 180 m³/h
- Head: max. 330 m
- Liquid temp.: -40-180 °C
- Operat. pressure: max. 33 bar.

**Applications**
- Washing systems
- Cooling and air-conditioning systems
- Water supply systems
- Water treatment systems
- Firefighting systems
- Industrial plants
- Boiler feed systems.

**Features and benefits**
- Reliability
- High efficiency
- Service-friendly
- Space-saving
- Suitable for slightly aggressive liquids.

**Options**
- Dry-running protection and motor protection via LiqTec.

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CRE, CRIE, CRNE

**Technical data**
- Flow rate: max. 180 m³/h
- Head: max. 250 m
- Liquid temp.: -40-180 °C
- Operat. pressure: max. 33 bar.

**Applications**
- Washing systems
- Cooling and air-conditioning systems
- Water supply systems
- Water treatment systems
- Firefighting systems
- Industrial plants
- Boiler feed systems.

**Features and benefits**
- Wide range
- Reliability
- In-line design
- High efficiency
- Service-friendly
- Space-saving
- Many control facilities.

**Options**
- Wireless remote control via Grundfos Go Remote.

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CR Monitor

**Technical data**
- Supported pumps: CR, CRI, CRN, CRN MAGdrive
- Motor range: 1.1 to 75 kW
- Enclosure class: IP54.

Available for pumps with standard MG/Siemens motors, MG/Siemens motors supplied from a Grundfos CUE frequency converter and MGE motors with integrated frequency converter.

**Applications**
- Pumps in demanding applications where zero downtime is required.
- Pumps exposed to extreme wear or clogging due to materials in the pumped liquid.
- Pumps in processes where continuous monitoring and control are essential.

**Features and benefits**
- Detects if the pump efficiency is reduced.
- Detects if the pump is about to cavitate.
- Detects if the pump is running outside its normal operating range.
- Enables planning of pump maintenance in order to prevent unplanned downtime.

**Options**
- 24/7 monitoring of operation and protection of equipment
- Bus communication to SCADA system or Web-link
- Data collection, monitoring and setting through local PC or via internet.
CR, CRN high pressure
Multistage centrifugal pumps

Technical data
Flow rate: max. 180 m³/h
Head: max. 480 m
Liquid temp.: -30-120 °C
Operat. pressure: max. 50 bar.

Applications
• Washing systems
• Water treatment systems
• Industrial plants
• Boiler feed systems.

Features and benefits
• Reliability
• High pressures
• Service-friendly
• Space-saving
• Suitable for slightly aggressive liquids
• Single-pump solution enabling high pressure.

Options
• Dry-running protection and motor protection via LiqTec.

CRT
Multistage centrifugal pumps

Technical data
Flow rate: max. 22 m³/h
Head: max. 250 m
Liquid temp.: -20-120 °C
Operat. pressure: max. 25 bar.

Applications
• Process-water systems
• Washing in cleaning systems
• Seawater systems
• Pumping of acids and alkalis
• Ultra-filtration systems
• Reverse osmosis systems
• Swimming baths.

Features and benefits
• High corrosion resistance
• Reliability
• High efficiency
• Service-friendly
• Space-saving.

Options
• Dry-running protection and motor protection via LiqTec.

CR DW
Ejector pumps

Technical data
Operat. pressure: max. 16 bar
Ambient temp.: max. 40 °C
Liquid temp.: max. 40 °C.

Applications
Minor water-supply systems
• irrigation in agriculture and horticulture
• liquid transfer on farms with own well
• weekendcottages.

Features and benefits
• Four sizes and two material versions.
• One with all wetted parts made of stainless steel.
• Suitable for wells down to 90 m.
• Service-friendly.
• Pump head and base made of electro-plated cast iron.

Options
• Hose kit (for simple change from CPE/CPES to CR DW).