COMMUNICATION INTERFACES
COMPLETE CONTROL FOR PUMPS AND PUMP SYSTEMS
THE CIM/CIU CONCEPT

For complete control of pump systems, the Grundfos fieldbus concept is the right solution. The innovative Communication Interface Module (CIM) and the Communication Interface Unit (CIU) enable data communication via open and interoperable networks such as PROFIBUS DP, Modbus RTU, LONWorks, BACnet MS/TP, PROFINET IO, Modbus TCP, cellular network, BACnet IP, or Grundfos Solution Cloud.

The series of Grundfos CIM/CIU communication interfaces offer ease of installation and commissioning, user-friendliness and great value for money in the long term. All modules are based on standard functional profiles for an easy integration into the network and easy understanding of data points.

When to use CIM and CIU
CIM modules are add-on modules that allow communication with single Grundfos E-pumps MGE model H/I/J or MGE 22-22kW, LC 2x1, Dedicated Controls, MAGNA3, CU 352 Hydro MPC and the CU 323 Hydro Multi-B.

Twinpumps based on MAGNA-D model D and MGE model H/I/J require only one CIM interface in master head.

The CIU communication interface unit is for products with a Genibus interface such as CIU frequency drives, E-pumps with MGE model F/G, DDA XL dosing pump and MP 204 motor protection. CIU units have an integrated 24 to 240 V power supply and are prepared for wall-mounting or DIN-rail mounting.

CIU 900 and CIU 901 with IO board are units to be used with CIM 260 3G/4G* or CIM 280 GiC/GRM 3G/4G* or CIM 200 or CIM 900 (Modbus only) interfaces.

For cellular interfaces a variant with additional IO Board is available. CIU 261* to collect data from analog or digital entries. Small DDA dosing pumps uses an E-box.

WHY GRUNDfos CIM/CIU MODULES MAKE GOOD SENSE

Open and interoperable data bus networks are becoming increasingly important for supervisory systems monitoring pump systems, and Grundfos is committed to open protocols. You gain an optimal, flexible and therefore cost-effective integration of data communication and field devices such as pumps or pump systems into management systems.

CIM/CIU COMMUNICATION INTERFACE PRODUCTS

Supports a wide range of Grundfos products, for detailed information see the table on page 2.

CIM/CIU INTERFACE PRODUCTS MAPPED TO PROTOCOLS

* To create a “CIU 260” you need to order a CIU 900 and CIU 901 to create a “CIU 261” order a CIU 902 to create a “CIU 262” order a CIU 903 + CIU 280.

Note: Hydro Multi B is supported via CIM 050 Genibus/ CIM 110 LON / CIM 200 Modbus RTU / CIM 300 BACnet MS/TP / CIM 500 Modbus TCP + BACnet IP / CIM 260 PROFIBUS DP / CIM 280 PROFIBUS DP.

Available accessories:
- 500 plugs, Ethernet
- Antenna IS/4G for CIM 260 / CIM 280
- Battery for CIM 260 / CIM 280
- 3 m Genibus cable DDA to CIU

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