

Kiekis	Aprašymas
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1	DDA 12-10 FCM-C-PVC/E/C-F-31U2U2FG
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Atkreipkite dėmesį! Paveikslėlyje parodytas produktas gali skirtis nuo tikrojo

Produkto Nr.: [93016994](#)

The SMART Digital DDA-C is a compact positive-displacement diaphragm dosing pump with variable-speed drive (stepper motor) and intelligent control electronics with minimum energy consumption.

The SMART Digital Dosing series operates at full stroke length to ensure optimum accuracy, priming and suction, even for high-viscosity or degassing liquids.

Depending on the set capacity, the duration of the discharge stroke varies, ensuring an optimal, uniform and continuous discharge flow.

The click-stop mounting plate allows installation in three different positions without using any additional accessories.

The control cube can be easily turned to the front, left or right position.

The click wheel and the multi-coloured backlit graphic plain-text LC display enable intuitive commissioning and operation.

The control elements are protected by a transparent cover.

The DDA-C has built-in connectivity that allows easy setup and tracking via the Grundfos GO app as well as easy integration into a Modbus RTU or TCP bus system.

The sensor-based FlowControlMeasurement (FCM) system detects malfunctions such as air bubbles, line breaks or overpressure directly in the dosing head and displays them in plain text in the alarm menu.

FCM measures the actual pressure and flow rate and eliminates the need for additional monitoring and control devices (accuracy of $\pm 1.5\%$ of the set value in a trouble-free process).

The measured pressure and flow are displayed and can be integrated into the process control system, e.g. SCADA.

In addition, the AutoFlowAdapt function automatically adjusts the pump speed to the process conditions to maintain the target flow even with fluctuating back pressure or air bubble formation (degassing drive strategy).

The dosing head includes the following parts:

- A durable and chemically resistant full PTFE diaphragm,
- Double ball valves for maximum dosing accuracy,
- A deaeration valve for easy start-up,
- A pressure sensor.

Operation modes and functions:

- Manual dosing in ml/h, l/h or gph.
- Pulse control in ml/pulse (incl. memory function).
- Analog control, 0/4-20 mA (scalable).
- Pulse-based batch function in ml, l or gal.
- Timer-based batch function (dosing timer cycle or week).
- Fieldbus control (integrated Modbus RTU and TCP; Profibus DP, Profinet and Ethernet IP via CIM/CIU models).
- Cloud control and monitoring (Smart Digital Chempairing Suite; Grundfos Connect).

Other features:

- The sensor-based FlowControlMeasurement (FCM) system detects malfunctions such as air bubbles, line breaks or overpressure directly in the dosing head.

Kiekis	Aprašymas
1	<ul style="list-style-type: none">• Measurement of actual pressure and flow.• AutoFlowAdapt automatically adjusts the pump speed to the process conditions (what you set is what you get).• Degassing drive strategy in case of air bubbles detected in the dosing head and Auto Deaeration during pump standby avoids stand-still due to air-locking.• ConditionCheck analyses the pump and the system where the pump is installed.• Two SlowMode steps (anti-cavitation), 50 % and 25 % maximum flow, e.g. for high-viscosity or degassing liquids.• Max. Capacity to limit the capacity of the pump to a set maximum.• Service information display to show when service and which wear-part order numbers are required.• Two-step key lock function to protect the pump against unauthorised access.• Multi-parameter dashboard function to provide further information on up to 4 parameters.• Counter for total dosed volume (resettable), operating hours, etc.• Save, copy and load customised settings as well as reload factory settings. <p>Signal inputs/outputs:</p> <ul style="list-style-type: none">• Input for pulse, analog 0/4-20mA, external stop.• Input for low-level and empty-tank signal.• Two potential-free output relays for max. 30 V AC/DC (configurable, e.g. alarm, stroke signal, pump dosing, timer etc.)• Output analog 0/4-20mA.• Fieldbus control (Integrated Modbus RTU and TCP; Profibus DP, Profinet and Ethernet IP via CIM/CIU models).• Cloud control and monitoring (Smart Digital Chempairing Suite; Grundfos Connect).



Įmonės pavadinimas:

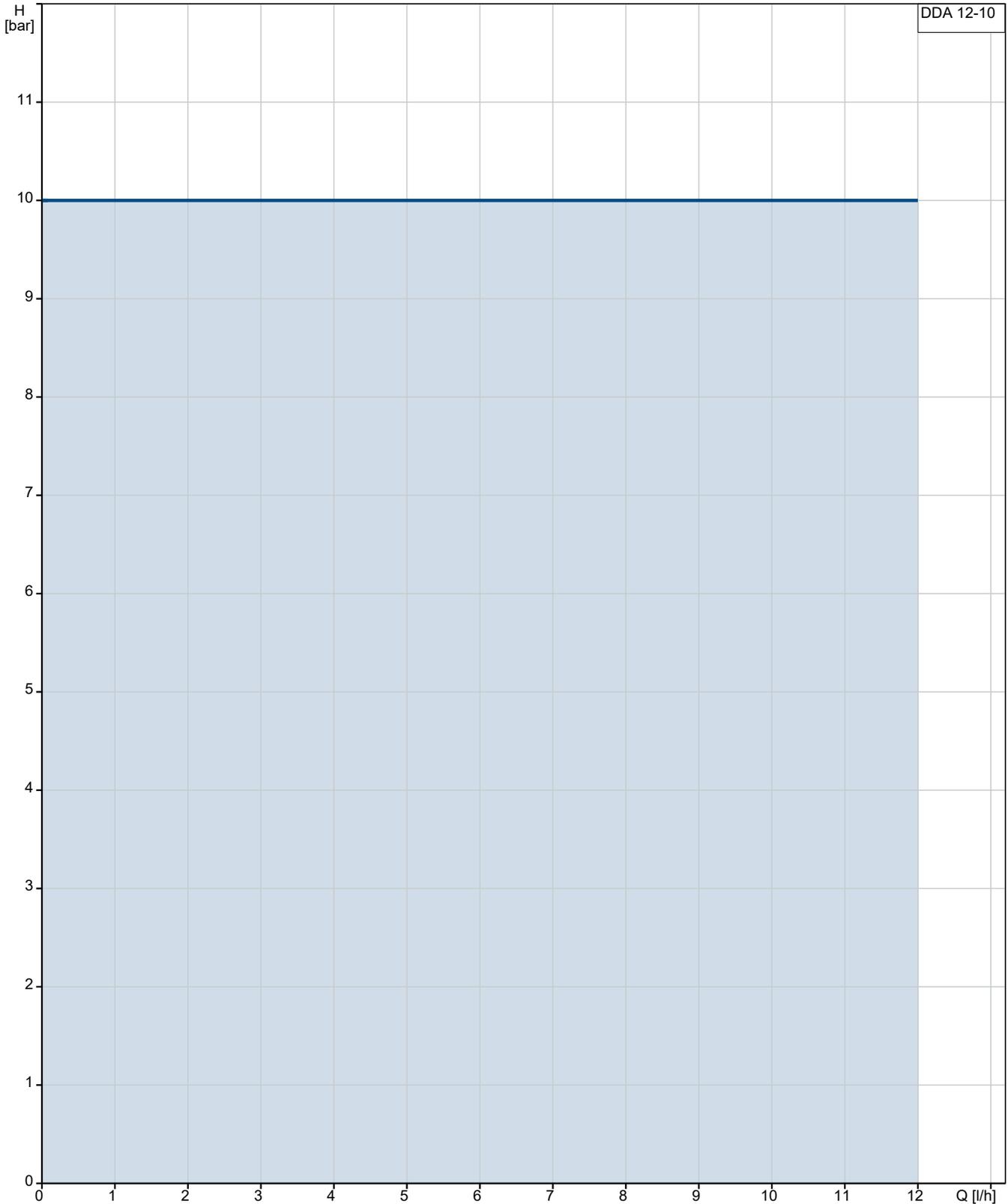
Paruošė:

Telefonas:

Data:

2026-03-30

93016994 DDA 12-10 FCM-C-PVC/E/C-F-31U2U2FG



Siurbiamas skystis = Vanduo

Skysčio temperatūra darbo metu = 20 °C

Tankis = 998.2 kg/m³



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Paruošė:

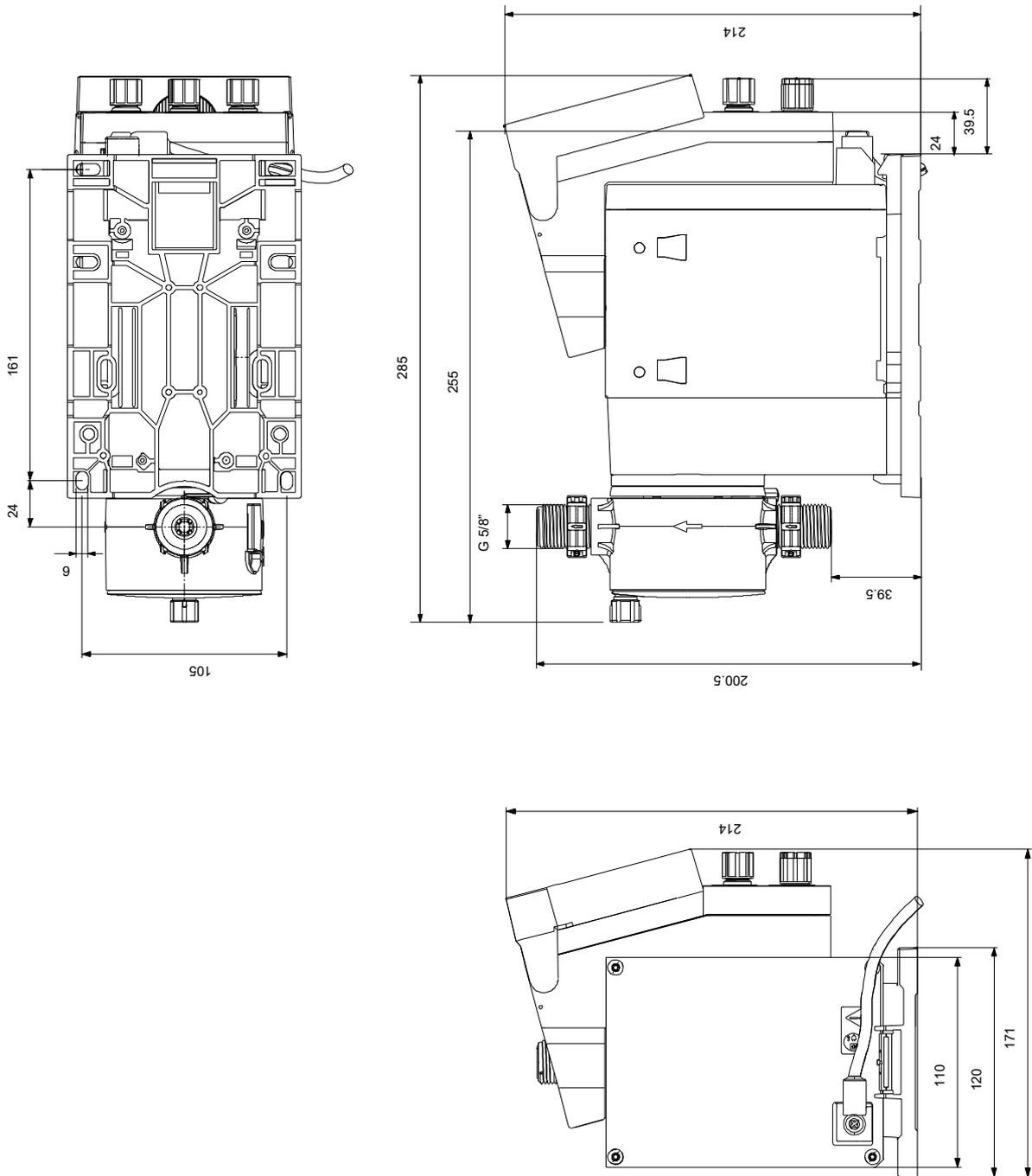
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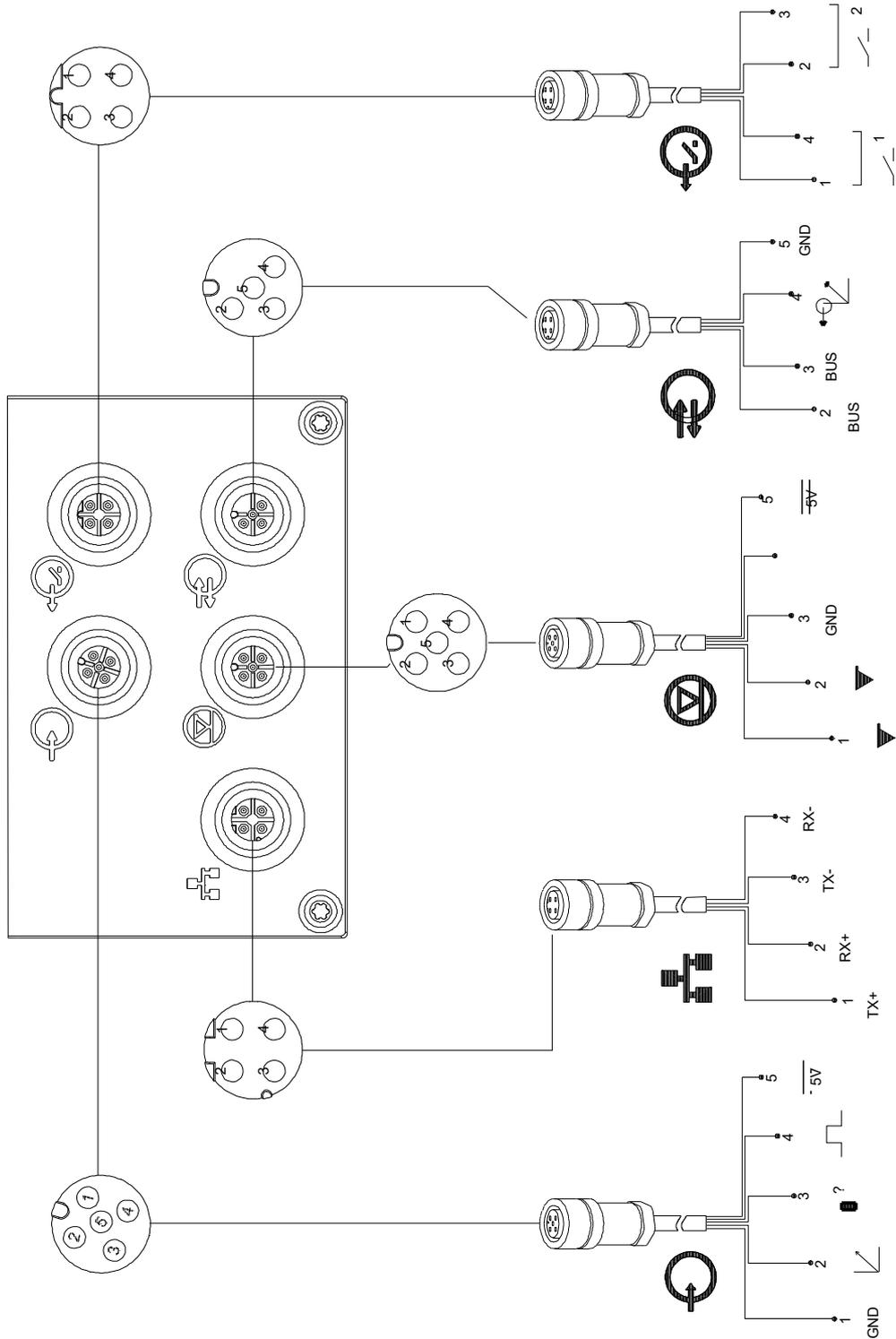
Aprašymas	Vertė
Analoginis įėjimas:	0/4-20 MA
Impulsinis valdymas:	TAIP
Išor. stop įėjimas:	TAIP
Analoginis išėjimas:	0/4-20 MA
Išėjimo relės:	2
Ryšys per magistralę:	TAIP
Kita:	
Neto masė:	2 kg
Bruto masė:	3 kg
Spalva:	RAUDONA
Kilmės šalis:	FR
Muitinės kodas:	84135040

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Atkreipkite dėmesį! Visi matmenys, jei nenurodyta kitaip, pateikti milimetrais.
Atsakomybės apribojimas: šiame supaprastintame matmenų brėžinyje neparodytos visos detalės.

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