

DDE 15-4 P-PP/V/C with access.

Grundfos pump 97974045



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<https://www.lenntech.com/grundfos/DDEFAM/97974045/DDE-15-4-WITH-ACCESS.html>

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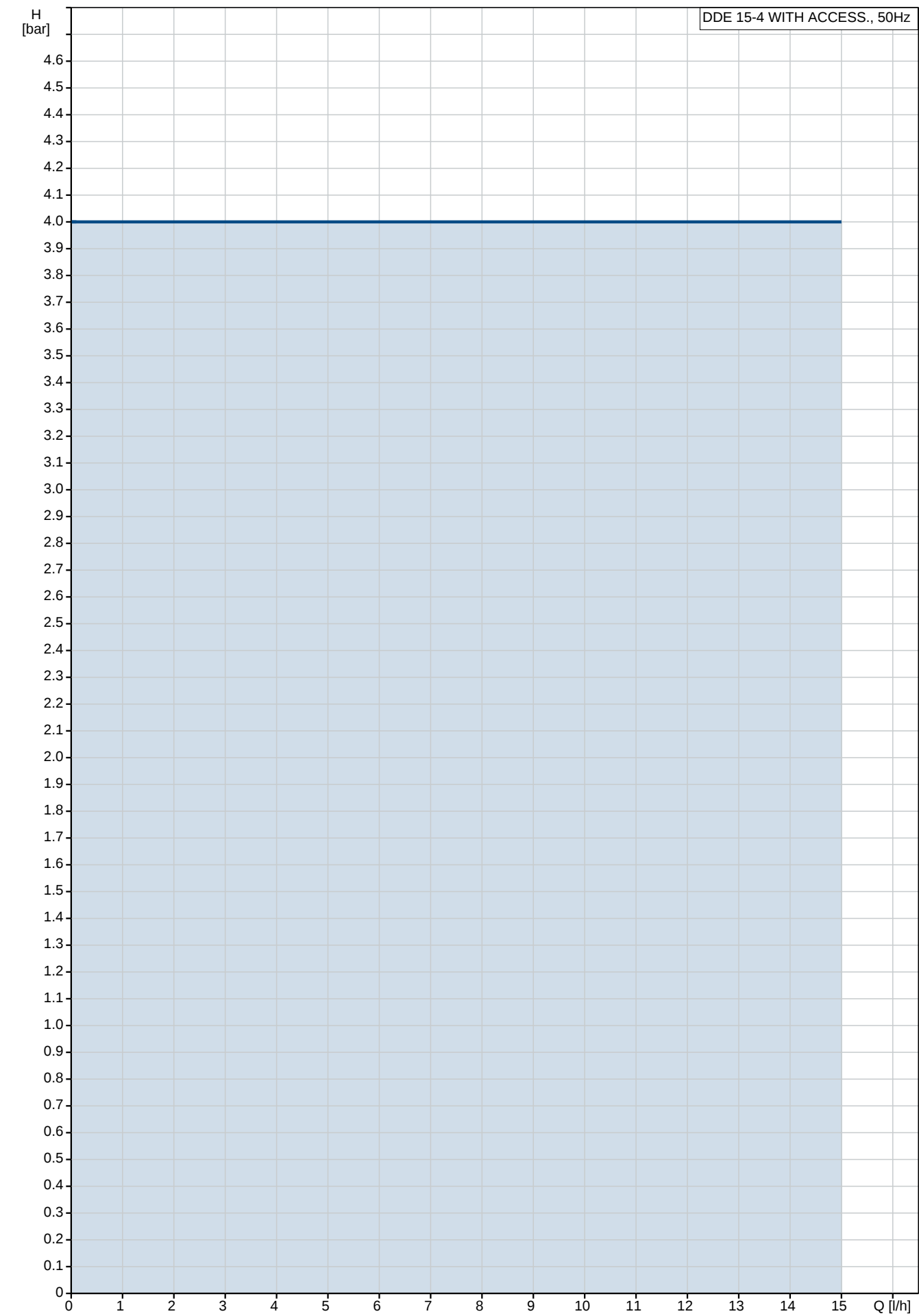
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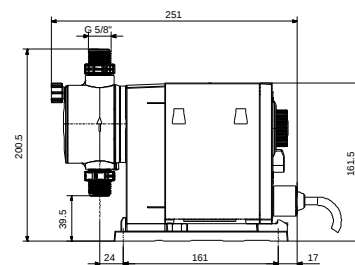
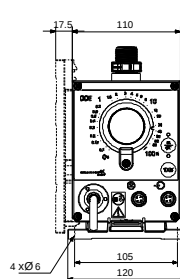
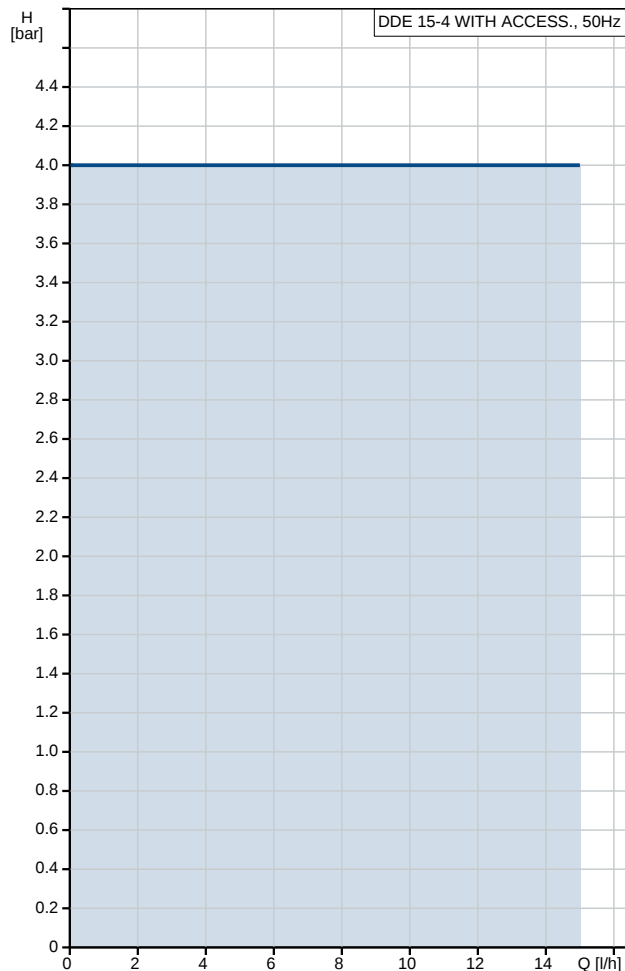
Position	Qty.	Description																		
	1	 Note! Product picture may differ from actual product Product No.: On request DDE 15-4 P-PP/V/C WITH ACCESS. The SMART Digital DDE is a compact positive displacement, diaphragm dosing pump with variable-speed drive (stepper motor) and intelligent control electronics with minimum energy consumption. The SMART Digital Dosing series operates at full stroke length to ensure optimum accuracy, priming and suction, even for degassing liquids. The duration of each discharge stroke varies according to the capacity set, resulting in optimum smooth and continuous discharge flow. The click-stop mounting plate allows installation in three different positions without using any additional accessories. The dosing flow can be adjusted by means of an adjustment knob on a logarithmical scale from 0.1-100%. The dosing head is composed of: - Long lifetime and universal chemical resistant Full-PTFE diaphragm. - Double ball valves for highest dosing accuracy. - Deaeration valve for easy start-up. Operation modes: - Manual dosing from 0.1 to 100%. - Pulse control (divisor function included). Other features: - 100 % key (max. capacity), e.g. for deaeration. - Operation mode switch key between manual and pulse. - Status LEDs for pulse and manual. - Mechanical lock to protect the pump against unauthorised access. Signal- Inputs/outputs: - Input for pulse, external stop. - Input for empty tank signal. Installation set includes: - Foot valve with strainer and weight (with two level switch). - Injection unit. - 6 m PE discharge hose. - 2 m PVC suction hose. - 2 m PVC deaeration hose (4/6 mm). - 5 m Control cable for all in- and output signals. Controls: <table><tr><td>Control variant:</td><td>P</td></tr><tr><td>Level control:</td><td>YES</td></tr><tr><td>Pulse control:</td><td>YES</td></tr><tr><td>Ext. Stop input:</td><td>YES</td></tr><tr><td>Output relays:</td><td>YES</td></tr></table> Liquid: <table><tr><td>Pumped liquid:</td><td>Water</td></tr><tr><td>Liquid temperature range:</td><td>-10 .. 45 °C</td></tr><tr><td>Liquid temperature during operation:</td><td>20 °C</td></tr><tr><td>Density:</td><td>998.2 kg/m³</td></tr></table>	Control variant:	P	Level control:	YES	Pulse control:	YES	Ext. Stop input:	YES	Output relays:	YES	Pumped liquid:	Water	Liquid temperature range:	-10 .. 45 °C	Liquid temperature during operation:	20 °C	Density:	998.2 kg/m³
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Liquid temperature during operation:	20 °C																			
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Position	Qty.	Description
		Technical: Type key: DDE 15-4 P-PP/V/C WITH ACCESS. Max. Flow: 15 l/h Min flow: 15.0 ml/h Turn-down ratio: 1:1000 Approvals on nameplate: CE,CSA-US Valve type: Standard Maximum viscosity at 100 %: 50 mPas Maximum viscosity in slow mode 50 %: N/A mPas Maximum viscosity in slow mode 25 %: N/A mPas Accuracy of repeatability: 5 % Materials: Dosing head: PP (Polypropylene) Valve ball: Ceramic Gasket: FKM Installation: Range of ambient temperature: 0 .. 45 °C Maximum operating pressure: 4 bar Installation set: YES Installation type: No installation set Pump inlet: 4/6, 6/9, 6/12, 9/12 mm Pump outlet: 4/6, 6/9, 6/12, 9/12 mm Max. Suction lift during operation: 6 m Max. Suction lift during priming: 3 m Electrical data: Maximum power input - P1: 19 W Mains frequency: 50 Hz Rated voltage: 1 x 100-240 V Enclosure class (IEC 34-5): IP65 / NEMA 4X Length of cable: 1.5 m Type of cable plug: EU Inrush current: 25A at 230V for 2ms Others: Net weight: 2 kg Gross weight: 3 kg

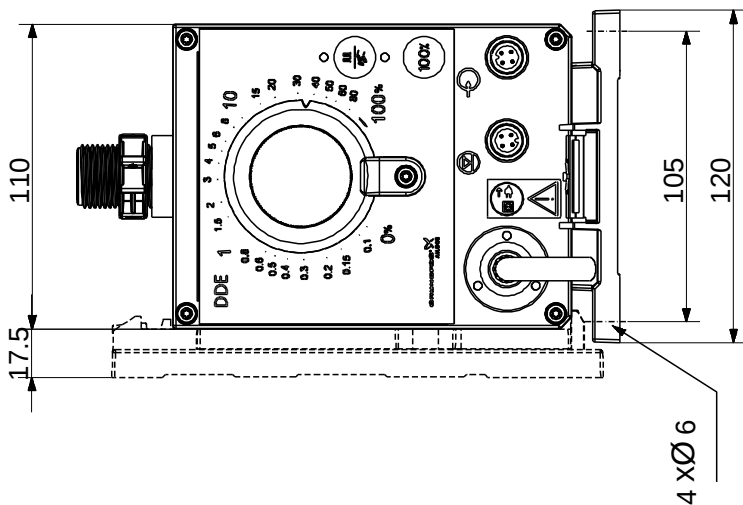
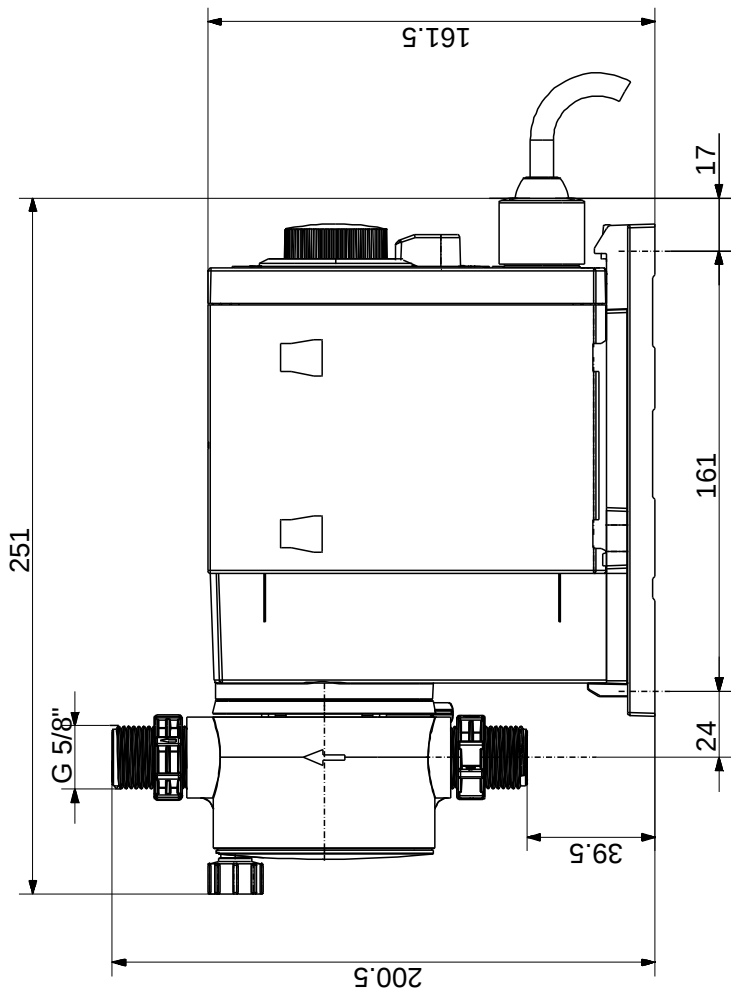
On request DDE 15-4 WITH ACCESS. 50 Hz



Description	Value
General information:	
Product name:	DDE 15-4 WITH ACCESS.
Product No:	On request
EAN number:	On request
Technical:	
Type key:	DDE 15-4 P-PP/V/C WITH ACCESS.
Max. Flow:	15 l/h
Min flow:	15.0 ml/h
Turn-down ratio:	1:1000
Approvals on nameplate:	CE,CSA-US
Valve type:	Standard
Maximum viscosity at 100 %:	50 mPas
Maximum viscosity in slow mode 50 %:	N/A mPas
Maximum viscosity in slow mode 25 %:	N/A mPas
Accuracy of repeatability:	5 %
Materials:	
Dosing head:	PP (Polypropylene)
Valve ball:	Ceramic
Gasket:	FKM
Installation:	
Range of ambient temperature:	0 .. 45 °C
Maximum operating pressure:	4 bar
Installation set:	YES
Installation type:	No installation set
Pump inlet:	4/6, 6/9, 6/12, 9/12 mm
Pump outlet:	4/6, 6/9, 6/12, 9/12 mm
Max. Suction lift during operation:	6 m
Max. Suction lift during priming:	3 m
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-10 .. 45 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Maximum power input - P1:	19 W
Mains frequency:	50 Hz
Rated voltage:	1 x 100-240 V
Enclosure class (IEC 34-5):	IP65 / NEMA 4X
Length of cable:	1.5 m
Type of cable plug:	EU
Inrush current:	25A at 230V for 2ms
Controls:	
Control variant:	P
Level control:	YES
Pulse control:	YES
Ext. Stop input:	YES
Output relays:	YES
Others:	
Net weight:	2 kg
Gross weight:	3 kg



On request DDE 15-4 WITH ACCESS. 50 Hz



Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Exploded view



Sectional drawing (TM058200 for TPE2,TPE3)



TM058200

Exploded view (TM057026 for MGE model H/I)



Disclaimer: The information about the Grundfos pump in this document may be outdated.

Data may be subject to alterations without further notice.

Please contact us to verify the data above is still accurate/up-to-date.

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