



Grundfos SMART Digital XL Pumps

For applications that require a maximum flow rate of 60–200L, the SMART Digital XL DDA and DDE pumps offer reliability and accuracy with a wide dosing range to suit all applications and price points. Three sizes cover a dosing range from 0.075 l/h to 200 l/h (turn-down ratio 1:800). With its wide range of power supplies (100-240 V, 50/60 Hz) the SMART Digital XL can be used globally.

DDA (Advanced) is the high-end pump range which features an intuitive LCD display and click wheel. The plain-text menu in up to 28 languages makes it quick and easy to adjust settings and modes. View alarms, real-time flow rate and operating mode through the backlit display.

DDE (Eco) is the economical pump range with essential features for basic dosing applications. The pump output is adjusted with a capacity knob. Manual and pulse control modes can be used with external stop and tank-empty inputs to provide precise dosing in any simple application.

Features

- Internal stroke-speed and frequency control with stepper motor
- Capacity adjusting knob on the DDE
- Click wheel and graphical display on the DDA
- Flexible control cube and mounting plate
- Manual, pulse and 0/4-20 mA control
- 0/4-20 mA and 2 relay outputs
- Automatic deaeration
- Power supply 100-240 V, 50/60 Hz

Additional DDA features:

- Backlit LC display and click wheel
- Integrated flow measurement and AutoFlowAdapt
- Capacity setting in ml/h, l/h, or gph
- Easy calibration function
- Flow control with fault diagnosis and pressure monitoring
- Batch, timer cycle, timer week control



DDA XL



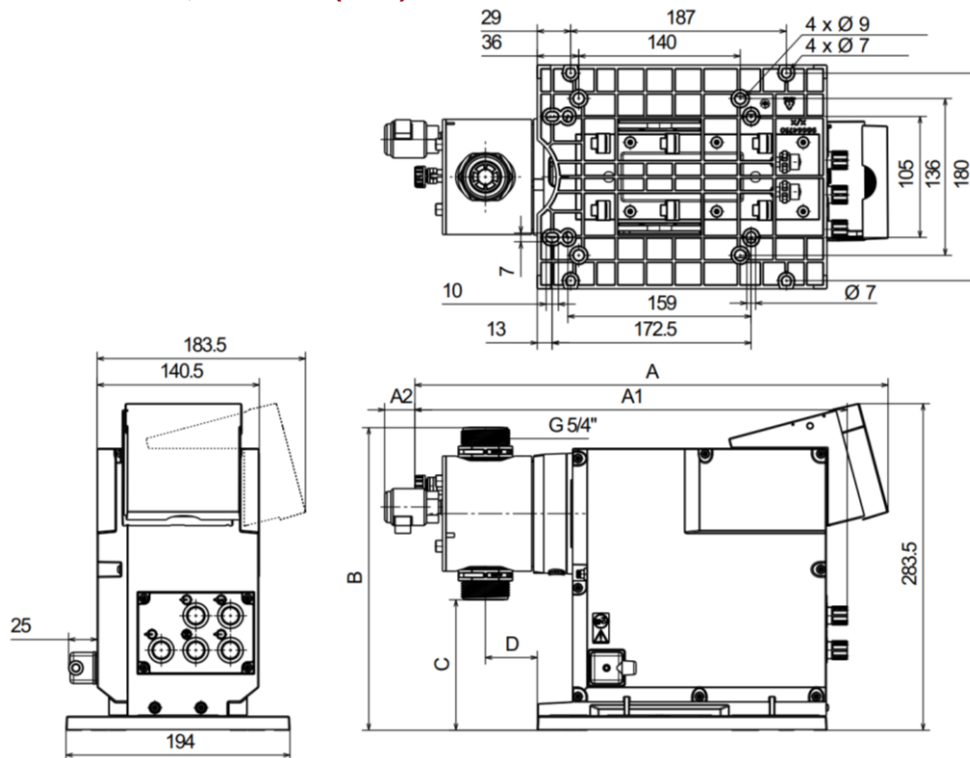
DDE XL

Applications

- Food and beverage industry
- Water and wastewater treatment
- Process water
- Ultrafiltration and reverse osmosis
- Pulp and paper industry
- Chemical industry



Dimensions DDA, DDE XL (mm)



	DDA 60-10	DDE 60-10	DDA 120-7	DDE 120-7	DDA 200-4	DDE 200-4
A (mm)	410	405	410	405	410	405
A1 (mm)	374	364	374	364	374	364
A2 (mm)	26	-	26	-	26	-
B (mm)	263	263	276.5	276.5	287.5	287.5
C (mm)	112	112	97	97	88	88
D (mm)	45	45	45	45	45	45

Technical Specifications

Mechanical Data	DDA 60-10	DDE 60-10	DDA 120-7	DDE 120-7	DDA 200-4	DDE 200-4
Turndown Ratio	800					
Max. Dosing Flow (l/h)	60		120		200	
Min. Dosing Flow (l/h)	0.075		0.15		0.25	
Max. Operating Pressure (bar)	10		7		4	
Max. Suction Lift (m)	3					
Max. Suction Lift when Priming with Wet Valves (m)	1.5					
Max. Viscosity (without Spring-loaded Valves) (mPa·s)	100					
Max. Viscosity (without SlowMode, Spring-loaded Valves) (mPa·s)	1000		1000		500	
Media Temperature (PVDF, SS)[PVC] (°C)	(0 - 50)[0 - 40]					
Ambient Temperature (°C)	0 - 45					
Storage Temperature (PVDF, SS)[PVC] (°C)	(-20 - 70)[-20 - 45]					



Electrical Data	DDA 60-10	DDE 60-10	DDA 120-7	DDE 120-7	DDA 200-4	DDE 200-4
Voltage (V)	100-240 ± 10%, 50/60 Hz					
Max. inrush current for 2 ms @ 100V (A)	35					
Max. inrush current for 2 ms @ 230V (A)	70					
Max. Power Consumption (W)	62					
Enclosure Class	IP65, Nema 4X					

Weight/Size	DDA 60-10	DDE 60-10	DDA 120-7	DDE 120-7	DDA 200-4	DDE 200-4
Weight (PVC, PVDF) (kg)	6.7		7.9		8.9	
Weight (Stainless Steel) (kg)	7.2		8.3		9.1	
Diaphragm Diameter (mm)	74		97		117	

Sound	DDA 60-10	DDE 60-10	DDA 120-7	DDE 120-7	DDA 200-4	DDE 200-4
Max. Sound Pressure Level (dBA)	80					

Approvals	DDA 60-10	DDE 60-10	DDA 120-7	DDE 120-7	DDA 200-4	DDE 200-4
	CE, CSA-US, NSF61, EAC, ACS, RCM					

Ordering

Astles Control Systems are distributors for the entire range of Grundfos dosing pumps. Please send us an email or give us a call with your application details. We will be able to advise the best pump for your application together with price and delivery information.

Email: sales@Astles.co.uk

Phone: +44 (0)1844 273301

