



## Grundfos SMART DDA Pumps

DDA is a SMART digital dosing pump for complex and demanding applications where the focus is on maximum process reliability. The intuitive graphical user interface gives you easy access to a wide range of highly advanced functions and features. With a powerful variable-speed stepper motor and a turn-down ratio of up to 1:3000, the DDA dosing pump ensures smooth, continuous and ultra-precise dosing in any application that requires chemical treatment.

### Features

- Internal stroke-speed and frequency control with stepper motor
- Flexible control cube and mounting plate
- Click wheel and graphical display
- Capacity setting in ml/h, l/h, or gph
- Easy calibration function
- Manual, pulse and 0/4-20 mA control
- Batch, timer cycle, timer week control
- Flow control with selective fault diagnosis, pressure monitoring
- Integrated flow measurement and AutoFlowAdapt
- 0/4-20 mA and 2 relay outputs
- Automatic deaeration
- Power supply 100-240 V, 50/60 Hz

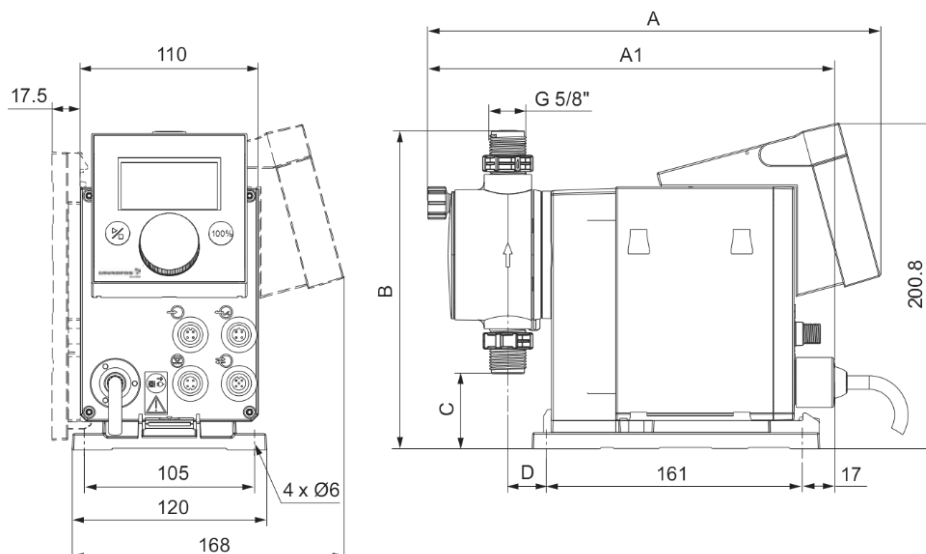


### Applications

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

### Dimensions

DDA	7.5-16	12-10	17-7	30-4
A (mm)		280		295
A1 (mm)		251		267
B (mm)	196	200.5		204.5
C (mm)	46.5	39.5		35.5
D (mm)		24		38.5





## Technical Specifications

Mechanical Data	DDA	7.5-16	12-10	17-7	30-4
Turndown Ratio		3000		1000	
Max. Dosing Flow (l/h)		7.5	12.0	17.0	30.0
Min. Dosing Flow (l/h)		0.0025	0.0120	0.0170	0.0300
Max. Operating Pressure (bar)		16	10	7	4
Repeatability (%)		±1			
Max. Suction Lift (m)		6			
Max. Suction Lift when Priming with Wet Valves (m)		2	3		2
Max. Viscosity (without Spring-loaded Valves) (mPa.s)		50	300		150
Max. Viscosity (SlowMode, Spring-loaded Valves) (mPa.s)		2500		2000	1500
Media Temperature (°C)		-10 to 45			
Ambient Temperature (°C)		0 to 45			
Storage Temperature (°C)		-20 to 70			

Electrical Data	DDA	7.5-16	12-10	17-7	30-4
Voltage (V)		100-240V, 50-60Hz			
Inrush Current @ 100V (A)		8			
Inrush Current @ 230V (A)		25			
Max. Power Consumption (W)		18 (24 with E-Box)			
Enclosure Class		IP65, Nema 4X			

Weight/Size	DDA	7.5-16	12-10	17-7	30-4
Weight (PVC, PP, PVDF) (kg)			2.4		2.6
Weight (Stainless Steel) (kg)			3.2		4.0
Diaphragm Diameter (mm)		44	50		74

Sound	DDA	7.5-16	12-10	17-7	30-4
Max. Sound Pressure Level (dBA)		60			

Approvals	DDA	7.5-16	12-10	17-7	30-4
		CE; CB; CSA-US; NSF61; EAC; ACS; C-Tick			

## 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](mailto:sales@Astles.co.uk)

Phone: +44 (0)1844 273301

