

Dosing pumps

Smart Digital DDE-DDC-DDA



Industrial applications



DOSING TECHNOLOGY

- ◊ Dosing pumps equipped with variable-speed stepper motors : the internal stroke speed control provides a progressive and continuous dosing.
- ◊ Flow adjustable from 0.006 l/h to 30.00 l/h.
- ◊ Optimal for low dosage, degassing and high-viscosity liquids.
- ◊ DDE : from 0.006 up to 15.00 l/h, manual dosing or volumetric by pulse.
- ◊ DDC : from 0.006 up to 15.00 l/h, graphics LC display, manual dosing, volumetric by pulse or analog control 4/20 mA.
- ◊ DDA : from 0.0025 up to 30 l/h, graphics LC display, manual dosing, volumetric by pulse, analog control 4/20 mA, pulse-based batch control, dosing timer cycle, dosing timer week.



ACCESSORIES

Are included :

- ◊ Installation kit including foot valve
- ◊ Injection unit and hose
- ◊ PE discharge hose
- ◊ PVC suction hose
- ◊ PVC drain hose
- ◊ External control cable
- ◊ Output relay cable (depending on version)
- ◊ Analog output cable (depending on version)

APPLICATIONS

Designed for the chemical dosing of any industrial water treatment application.

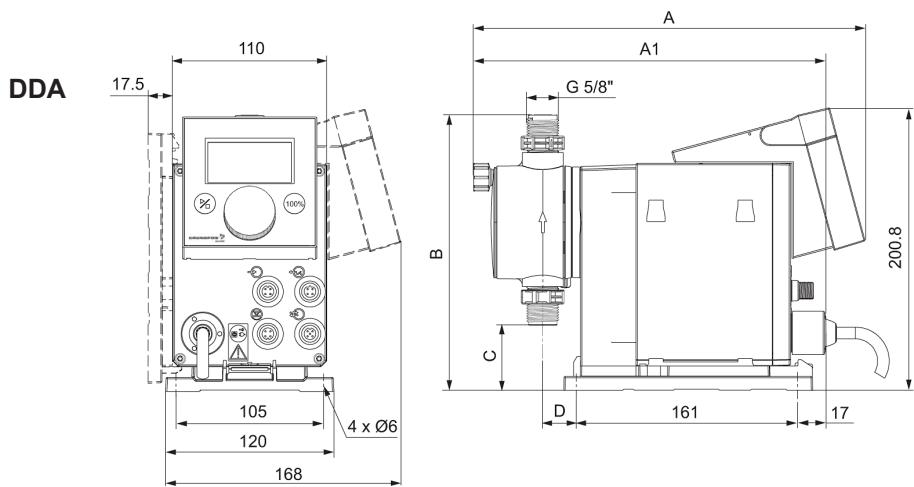
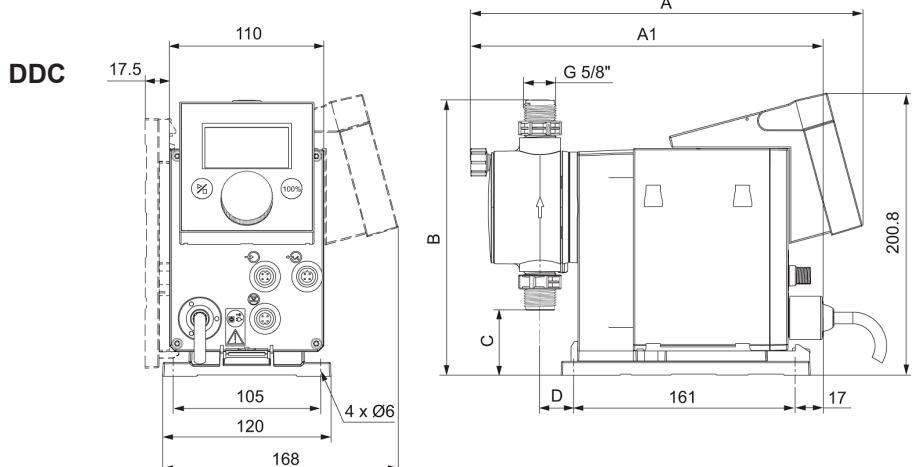
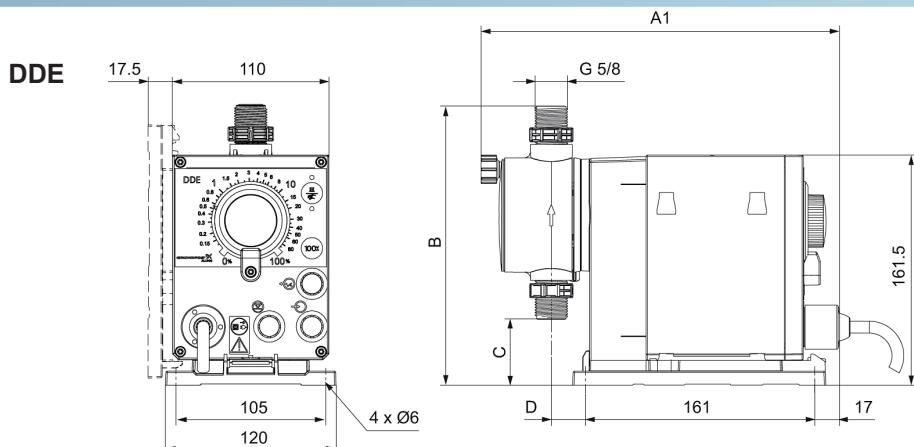
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TECHNICAL CHARACTERISTICS AND OPERATING CONDITIONS

Model	Flow		Pression max.	Stroke frequency	Suction height	Power
	mini l/h	maxi l/h				
DDE6-10	0,006	6,00	10	140	2	19
DDE15-4	0,015	15,00	4	180	3	19
DDC6-1	0,006	6,00	10	140	2	22
DDC9-7	0,009	9,00	7	200	2	22
DDC15-4	0,015	15,00	4	180	3	22
DDA7,5-16	0,0025	7,50	16	190	2	24
DDA12-6	0,012	12,00	6	155	3	24
DDA17-7	0,017	17,00	7	205	3	24
DDA30-4	0,030	30,00	4	180	2	24

Power supply 240V- 50/60Hz



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OVERVIEW OF FUNCTIONS

	DDE		DDC		DDA	
	P	PR	AR	AR	FC	
Control panel						
Control panel position: front-fitted		X	X			
Control cube mountable in three positions: front, left, right				X	X	X
Transparent protective cover for control elements				X	X	X
Capacity adjustment knob (0.1 - 100 %)	X	X				
Operation mode switch (manual / pulse)	X	X				
Capacity setting in millilitres, litres or US-gallons				X	X	X
Graphical display with background light in four colours for status indication: white, green, yellow, red				X	X	X
Plain-text menu in different languages				X	X	X
Turn-and-push knob (click wheel) for easy navigation				X	X	X
Start / Stop key				X	X	X
100 % key (deaeration)	X	X	X	X	X	X
Operation modes						
Manual speed control	X	X	X	X	X	X
Pulse control (1:n) Pulse multiplication (1 :n)	X	X				
Pulse control in ml/pulse				X	X	X
Analog control 0/4-20 mA				X	X	X
Batch control (pulse-based)					X	X
Dosing timer cycle					X	X
Dosing timer week					X	X
Functions						
Auto deaeration also during pump standby					X	X
Flow Control system with selective fault diagnosis						X
Pressure monitoring (min / max)						X
SlowMode (anti-cavitation)				X	X	X
Calibration mode				X	X	X
Scaling of analog input					X	X
Service information display				X	X	X
Relay setting: alarm, warning, stroke signal, pump dosing	X	X	X	X	X	X
Relay setting (additionally): timer cycle, timer week					X	X
Inputs / Outputs						
Input for external stop	X	X	X	X	X	X
Input for pulse control	X	X	X	X	X	X
Input for analog 0/4-20 mA control				X	X	X
Input for low-level signal			X	X	X	X
Input for empty tank signal	X	X	X	X	X	X
Output relay (2 relays)	X	X	X	X	X	X
Output analog 0/4-20 mA				X	X	

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OPTIONS



Output cable (depending on version).
Analog output cable (depending on version).



Multifunctional valve :
Holding pressure and discharge capacity.



Injection unit with lip seal for bleach.



Installation kit.



ADH2OC INDUSTRIAL
Headquarters
3, Rue Kercoz
22 220 TRÉGUIER - FRANCE
Tel +33 (0)2 96 40 02 50
Fax +33 (0)2 22 44 98 48
www.adh2oc-industrial.com

Workshop
Lieudit «La Vallée Drouard»
28500 CHÉRISY - FRANCE
Tel +33 (0)2 37 50 20 79
Fax +33 (0)2 22 44 98 48
e-mail : infos@adh2oc-industrial.com