

# 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 15.00l/h, fixe stepper dosing, manual or volumetric by pulses dosing.
- DDC : From 0.006 up to 15.00l/h, variable stepper dosing, graphics LCD display, manual, volumetric by pulses or analog control (4/20mA) dosing.
- DDA : From 0.0025 up to 30.00l/h, variable stepper dosing, graphics LCD display, manual, volumetric by pulses or analog control (4/20mA) dosing, 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

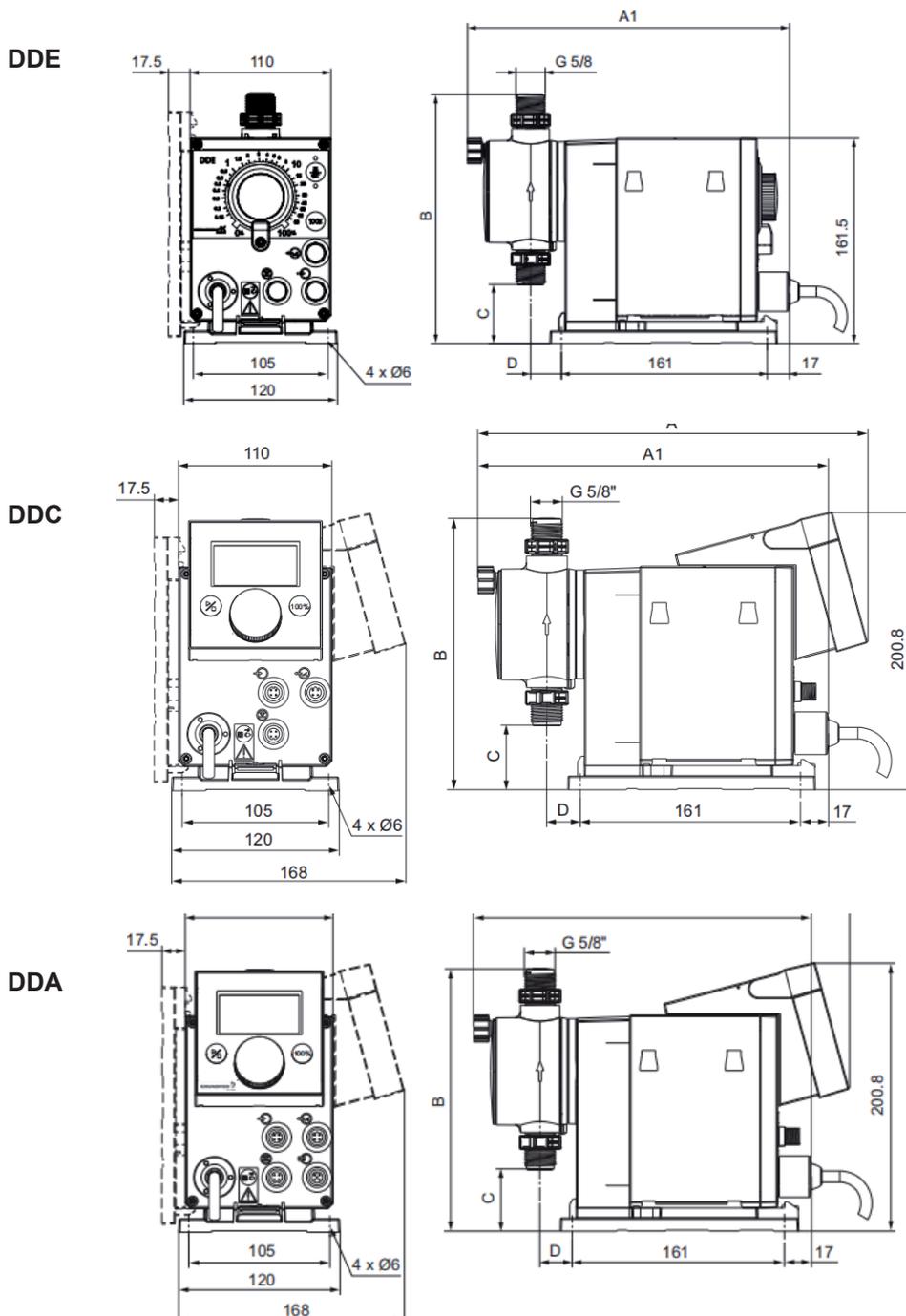
Designed for the chemical dosing of any industrial water treatment application.

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## TECHNICAL CHARACTERISTICS AND OPERATING CONDITIONS

Model	Flow			Pression max. bar	Stroke frequency max par min	Suction height mce	Power W
	mini l/h	maxi l/h	ml/impulsion				
DDE-06-10	0,006	6,00	0,81	10	140	2	19
DDE-15-04	0,015	15,00	1,58	4	180	3	19
DDC-06-10	0,006	6,00	16,2	10	140	2	22
DDC-09-07	0,009	9,00	16,8	7	200	2	22
DDC-15-04	0,015	15,00	31,6	4	180	3	22
DDA-7,5-16	0,0025	7,50	14,9	16	190	2	24
DDA-12-06	0,012	12,00	29	6	155	3	24
DDA-17-07	0,017	17,00	31	7	205	3	24
DDA-30-04	0,030	30,00	62	4	180	2	24

Power supply 240V- 50/60Hz



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## OVERVIEW OF FUNCTIONS

	DDE		DDC	DDA	
	P	PR	AR	AR	FC
<b>Control panel</b>					
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 (deaeeration)	x	x	x	x	x
<b>Operation modes</b>					
Manual speed control	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
<b>Functions</b>					
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
Relay setting (additionally): timer cycle, timer week				x	x
<b>Inputs / Outputs</b>					
Input for external stop	x	x	x	x	x
Input for pulse control	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
Output relay (2 relays)		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.