



DOSING SYSTEM
Solenoid Driven Dosing Pumps

HC200

Technical Data Sheet
HC2 series

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KEY FEATURES

- Electronic Frequency control 0÷120 strokes/min
- Manual Stroke length adjustment
- PTFE diaphragm
- Microprocessor technology
- Constant / On-Off dosing mode
- Digital keypad controls
- Stop/Start button
- Display LCD
- 2 LED display status
- Double Ball valves
- Dosing Head with integrated priming valve
- High accuracy
- Foot mounting
- Optional Vertical mount bracket at extra cost
- Reinforced PP Plastic housing
- IP65 rating
- Provided standard with Low Level Facility (Switch not included – model required ADSLG)
- Supplied with hose accessory kit

The **HC200** electronic solenoid driven dosing pump incorporates a mechanical stroke length adjustment feature as well as electronic frequency control. This allows an extra manual mechanical stroke length adjustment, thus further increasing the pumps accuracy, and greatly increasing the "turn down ratio" to help achieve much lower dosing rates. The pump is provided with level control predisposition.

PUMP CONTROL MODES

Double controls which includes frequency adjustment by touch sensitive buttons on front facia and manual stroke length adjustment of injection volume that allows for a higher dosing accuracy.

Stroke length adjustment: A further adjustment is available by means of a manual stroke length control

Constant mode: The pump flow rate is adjusted via electronic frequency control by using touch sensitive buttons on front facia and will constantly deliver according to the flow rate selected.

Connected to a **Remote On/Off** equipment, the pump will start and stop the pump operations according to the external contact.

Level control: If fitted a level switch stops the pump when the chemical level runs low.

LIQUID ENDS MATERIAL HC2

	Standard Version	Upon request
Pump head	PP	PVDF,PVC self degassing head
Diaphragm	PTFE	-----
Balls	GLASS PIREX	PTFE; CERAMIC
Connection fitting	PP	PVDF
Seals/O-rings	Viton®	Dutral®
Spring loaded injection valve:	Hastelloy/Pirex	Hastelloy /(PTFE CERAMIC)
Injection Fitting	PP	PVDF
Foot Valve/Filter Fitting	PP	PVDF
Suction Hose /Air Bleed hose	PVC	
Discharge Hose	PE	

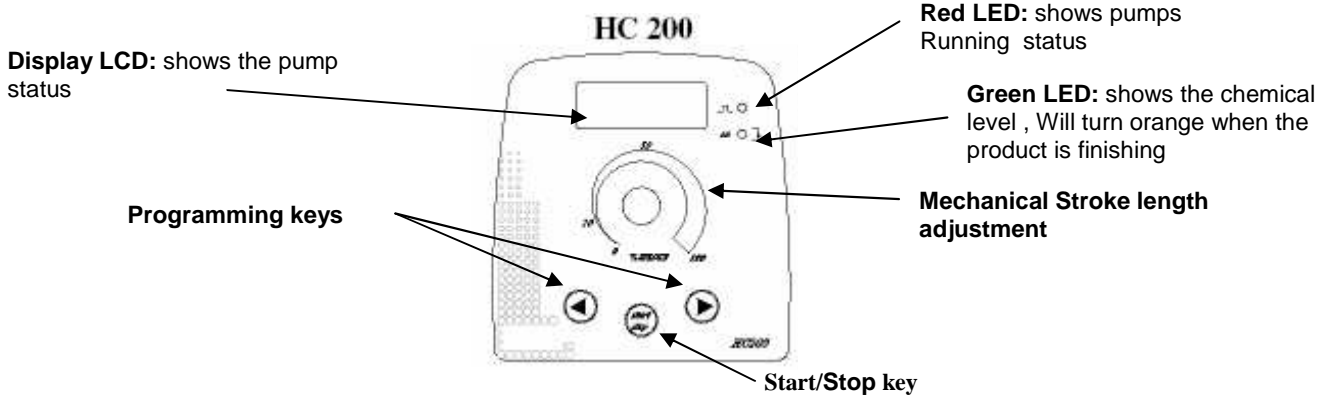
Viton®: FPM / Dutral®: EPDM, are registered trademarks of Dupont Elastomers

TECHNICAL CHARACTERISTICS HC2 SERIES

Model	Max Flow at Max Pressure		Stroke frequency per min.	Stroke volume ml / l	Hose size mm	Pump head model	Max suction lift m
	l/h	bar					
02-18	2	18	120	0,27	4x6	PP 3/8" 2-15	1,5
04-18	4	18	120	0,55	4x6	PP 3/8" 2-15	1,5
09-09	9	9	120	1,25	4x6	PP 3/8" 2-15	1,5
15-03	15	3	120	2,08	4x6	PP 3/8" 2-15	1,5

HC2 CURVES	Flow at max pressure		Flow at median pressure		Flow at 1 bar	
	l/h	bar	l/h	bar	l/h	bar
Pump Type	l/h	bar	l/h	bar	l/h	bar
02-18	2	18	4	9	9	1
04-18	4	18	6,5	9	12	1
09-09	9	9	12	4,5	15	1
15-03	15	3	16	1,5	18	1

NOTE: All mentioned outputs refer to tests done having water temperature at 20°C with indicated counter pressure. Tolerance is calculated at ± 10 % at a constant pressure of ± 0,5 bars.



Power supply standard : 230 Vac-1 phase- 50/60 Hz / ± 10%	Ambient working temperature: 45°C
Power cable: 3 m grounded without plug	Voltage working range: min.207V ÷ Max 253 V
Recommended frequency adjustment: 10 ÷100%	Voltage Peak: Max 270 V
Connector: 4 pole IP66	Plastic housing and support: PP reinforced; IP65
Reproducibility under standard conditions: ± 5%	

HC200 is provided with Standard Hose Accessories Kit:

- 1 - Injection Valve, hastelloy spring, ball glass Pyrex
- 1,5 m - Air Bleed Hose PVC flexible (transparent)
- 2 m - Discharge Hose (white)
- 1 - Foot Valve/Filter
- 2 m - Suction Hose PVC flexible (transparent)

NON – STANDARD OPTIONS
Electric Plug
Power Supply : extractable connector

HC2 series dimensions and packing

Packing weight: **5 kg**
 Pump dimensions (mm): **218 x 125 x 254**
 Packing size (mm): **350 x 300 x 160**

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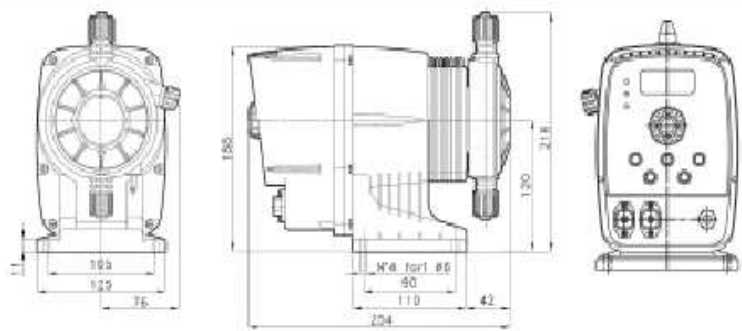


Fig. 3 SERIE "HC 2"