



**DOSING SYSTEMS**  
Solenoid Driven Dosing Pumps

# HC200

Technical Data Sheet  
HC2 series



**KEY FEATURES**

- Electronic Frequency control
- Manual Stroke length adjustment
- PTFE Diaphragm
- 2 Line LCD display
- Analogue Controls
- Economically Priced
- Stop/Start button
- Dosing Head with integral priming valve
- Double Ball valves as standard
- Lip valves on request
- Horizontal Mounting
- Optional Vertical mount bracket at extra cost
- Reinforced Plastic PP housing IP65
- Supplied complete with hose accessory kit
- Low Level facility
- Level probe on request

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.

**PUMP CONTROL MODES**

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

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

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

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

LIQUID END MATERIAL HC2		
	Standard Version	On request
Pump head	<b>PP</b>	PVC - AISI 316 - PTFE
Diaphragm	<b>PTFE</b>	-----
Valve balls	<b>Glass Pyrex</b>	AISI 316
Valve cartridge	<b>PP</b>	AISI 316
Seals/O-rings	<b>Viton®</b>	Dutral® - NBR
Spring loaded injection valve	<b>Hastelloy/Pyrex</b>	Hastelloy /AISI 316
Foot Valve/Filter Fitting	<b>PP</b>	PVDF
Suction Hose /Air Bleed hose	<b>PVC</b>	PVDF
Discharge Hose	<b>PE</b>	PVDF
<b>On request:</b>		
Lip Valve	<b>Viton®</b>	Dutral® - NBR
Injection Sleeve-Non return Valve	<b>Viton®</b>	Dutral® - NBR

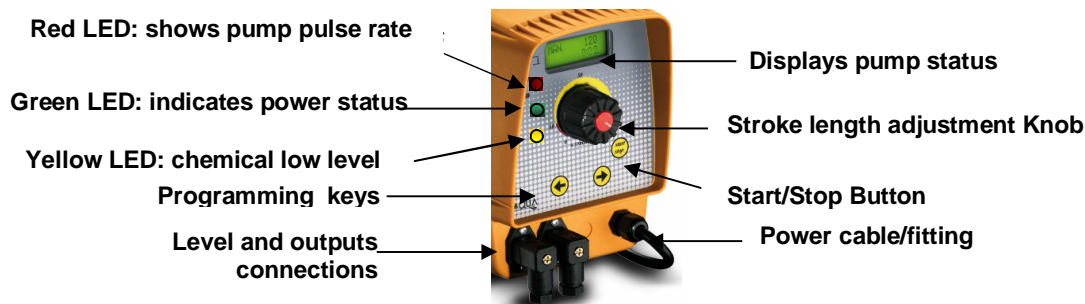
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## TECHNICAL CHARACTERISTICS HC2 SERIES

Model	Max Flow at Max Pressure		Stroke frequency	Stroke volume	Stroke length	Power cons.	Hose size	Pump head (connections)	Max suction
	l/h	bar	per min.	ml / l	mm	watt	mm	model	lift m
HC200 02-18	2	18	120	0.27	1.0	66	4x6	PP 3/8"	1.5
HC200 04-18	4	18	120	0.55	1.2	66	4x6	PP 3/8"	1.5
HC200 09-09	9	9	120	1.25	1.9	60	4x6	PP 3/8"	1.5
HC200 15-04	15	4	120	2.08	2	65	4x6	PP 3/8"	1.5

Model	TYPICAL OUTPUT HC2		Flow at max pressure		Flow at average pressure		Flow at 1 bar	
	l/h	bar	l/h	bar	l/h	bar	l/h	bar
02-18	2	18	4	9	9	1		
04-18	4	18	6,7	9	10	1		
09-09	9	9	12,5	4	13,7	1		
15-04	15	4	15,3	2	15,7	1		

NOTE: The flow rates opposite have been obtained by testing the pump with medium hardness water at a 1.5m suction lift at room temperature



Power supply: 230 Vac -1 phase - 50/60 Hz / ± 10%	Power cable: 3 m grounded without plug
Available upon request: 110 Vac, 1 phase, 50/60 Hz	Ambient working temperature: 45°C
Recommended frequency adjustment: 10 - 100%	Voltage working range: min 207v - Max 253v
Connector: 4 pole IP66 / Level switch 2 m cable	Voltage Peak: Max 270 v
Reproducibility under standard conditions: ± 5%	Plastic housing and support: PP reinforced; IP65

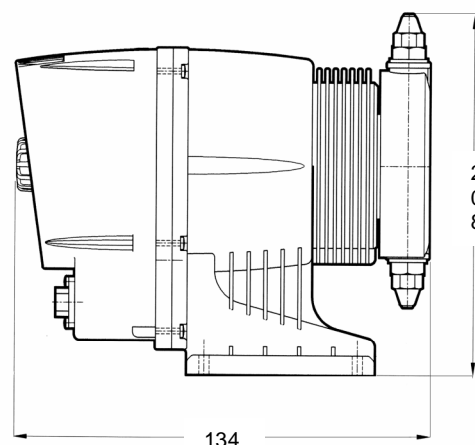
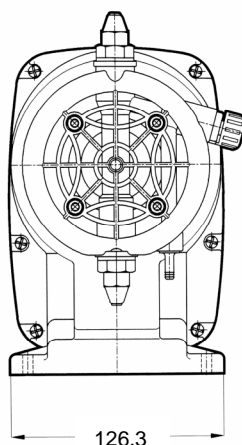
### HC200 is provided with a Standard Hose Accessory Kit:

- 1 No - PP Non return Injection fitting (Ball type)
- 2 m - Discharge Hose (PE)
- 2 m - PVC clear suction hose
- 1.5 m - PVC clear priming hose
- HC200 is provided with Low Level facility as standard which requires a low level switch (available on request)
- 1 No - PP Foot valve strainer with lip valve
- Screws and plugs for pump mounting bracket
- For Lip valve version:
- 1 No - Injection Valve- Viton



### HC2 series Dimension & Packing Details

Packing weight: 4.5 kg  
 Packing size (mm): 240 x 340 x 250  
 Packing volume: 0.01 m<sup>3</sup>



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