

# Water Treatment



## HYDRA MA

### SOLENOID DOSING PUMPS



## Main characteristics

- constant analog solenoid dosing pump with flow regulation via a button on the front panel and proportional according to the external analog signal (4 to 20 mA), LED operation indicator, and provision of a level probe
- 2 operating modes: CONSTANT (selector in "C"), the pump maintains a constant dosing, dispensing based on the percentage selected with the potentiometer - PROPORTIONAL (selector in "P") the pump doses in proportion to a signal (4 to 20 mA), internal microswitch
- PVDF-C pump head
- Double ceramic balls
- Pure PTFE diaphragm for full compatibility with all chemicals
- Flow rate manual adjustment from 10-100%
- Manual priming valve
- Wall mounting with fixing bracket
- Anti-seepage system

# Water Treatment



## Performance data

PERFORMANCES TEST HAS BEEN DONE AT AMBIENT TEMPERATURE, WITH WATER, AT 1,5 mt SUCTION HEIGHT

FLOW RATE	PRESSURES	CC/IMP.	CONNECTIONS	STROKES/MIN.	DIMENSIONS	PROTECTION	WEIGHT	ABSORPTION	POWER
5 l/h	8 bar	0.52	4x6	160	190,5 x 92 x 135,5	IP65	1,5 Kg	12 W	110-230 Vac

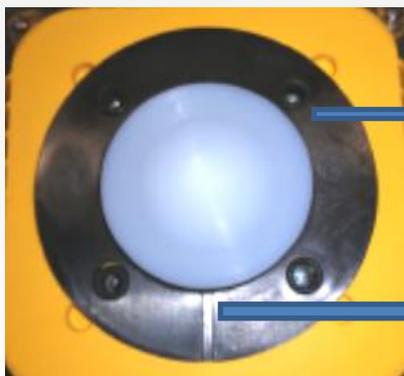
Power supply: 230 Vac 50 Hz Power consumption 12 W HY.BL, HY.MA, HY.BC, HY.MT, HY.PR 100 to 240 Vac, 50/ 60 Hz (With absorption reduced as the magnet absorbs only the amount of energy required to perform the assay in the installation conditions excellent) Power consumption 14 W.

## Anti-seepage system

The anti-seepage system, is a solution to prevent the intrusion of chemical product inside the pump: leakage and chemical intrusion can happen when the O-ring is damaged or consumed by regular use.

This device is integrated in the hydraulic part, between pump head and body, behind the diaphragm: the outgoing collection channel of the anti-seepage device (see below blue arrow) collects the leakage and expel it out.

When the leakage is visible, the operator can proceed either tightening the 4 bolts of the head (4Nm torque) or disassembling the head and inspect it in order to understand leakage causes .



Anti-seepage device

collection channel



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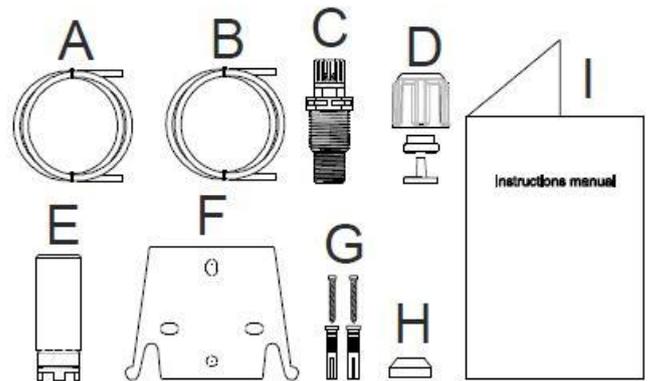


## Main applications

- Electroplating industry, Pickling, Degreasing and metal treatments.
- Cooling Tower
- Potable water application
- Reverse osmosis application
- Paper industry
- Ceramic industry

## Installation Kit (included)

- A. Opaque hose for connecting the pump's outlet to the injection point
- B. Transparent hose for suction and for connecting the bleeding valve up for manual priming
- C. Injection fitting
- D. Hose connection kit
- E. Bottom filter
- F. Wall mounting bracket
- G. Anchors for securing the pump to the wall
- H. Screw protection caps
- I. Instructions Manual



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## Accessories

AC.SL	
	<ul style="list-style-type: none"> <li>• Floating level probe with bipolar cable (2 mt) with support</li> </ul>

AC.VS	
	<ul style="list-style-type: none"> <li>• Back-pressure valve up to 10 bar</li> <li>• PTFE diaphragm</li> </ul>

PRIMING AID	
	<ul style="list-style-type: none"> <li>• Capacity: 300 ml</li> <li>• PVC body</li> <li>• FPM seals</li> <li>• Connections: 4x6mm – 8x12mm</li> </ul>

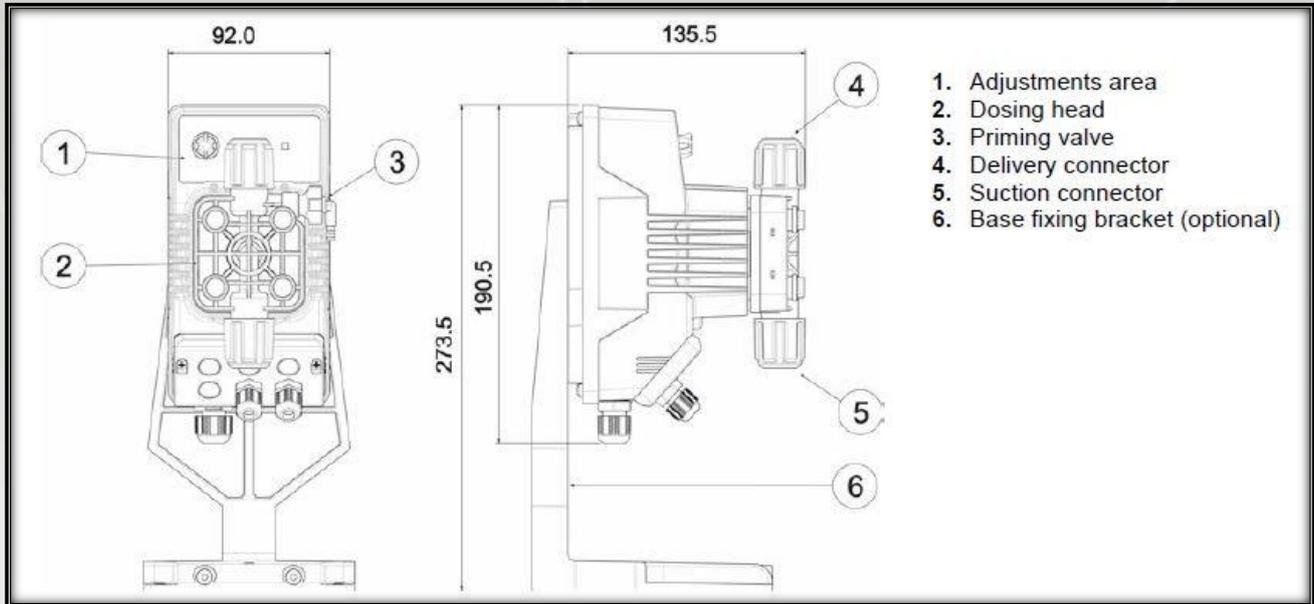
AC.VIE	
	<ul style="list-style-type: none"> <li>• Extractable injection valve PVC 1/2" g.m. IN - 1/2" g.m. OUT</li> </ul>
	<ul style="list-style-type: none"> <li>• Extractable injection valve with ball valve PVC 1/2" g.m. IN - 1/2" g.m. OUT</li> </ul>

AC.VM PVDF	
	<ul style="list-style-type: none"> <li>• Multifunction valve, antisiphon, backpressure, safety</li> <li>• PVDF body, PTFE membrane</li> <li>• Adjustable Pressure 0÷5 bar • Relief Pressure 0÷18 bar</li> </ul>

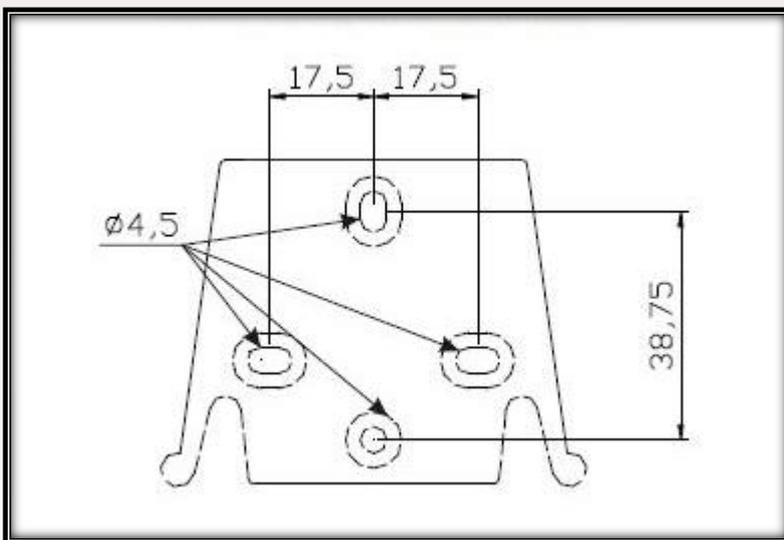
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## Dimensional drawings



## Fixing templates



## Plumbing

