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

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Performance data

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

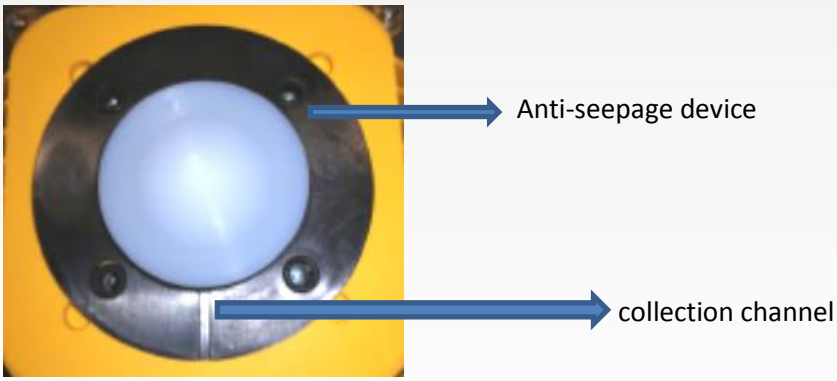
FLOW RATE	PRESSURES	CC/IMP.	CONNECTIONS	STROKES/MIN.	DIMENSIONS	PROTECTION	WEIGHT	ABSORPTION	POWER
5 l/h	8 bar	0.52	4x6	160	190,5 x 92 x 135,5	IP65	1,5 Kg	12 W	110-230 Vac

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 .



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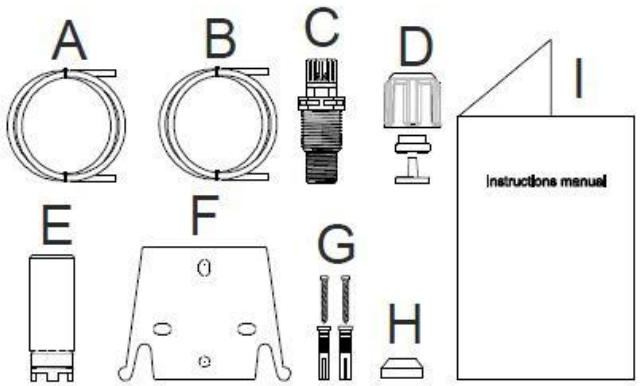
Main applications

- 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	
	• Floating level probe with bipolar cable (2 mt) with support

AC.VS	
	• Back-pressure valve up to 10 bar • PTFE diaphragm

PRIMING AID	
	• Capacity: 300 ml • PVC body • FPM seals • Connections: 4x6mm – 8x12mm

AC.VIE	
	• Extractable injection valve PVC ½" g.m. IN - ½" g.m. OUT
	• Extractable injection valve with ball valve PVC ½" g.m. IN - ½" g.m. OUT

AC.VM PVDF	
	• Multifuction valve, antisyphon, backpressure, safety • PVDF body, PTFE membrane • Adjustable Pressure 0÷5 bar• Relief Pressure 0÷18 bar

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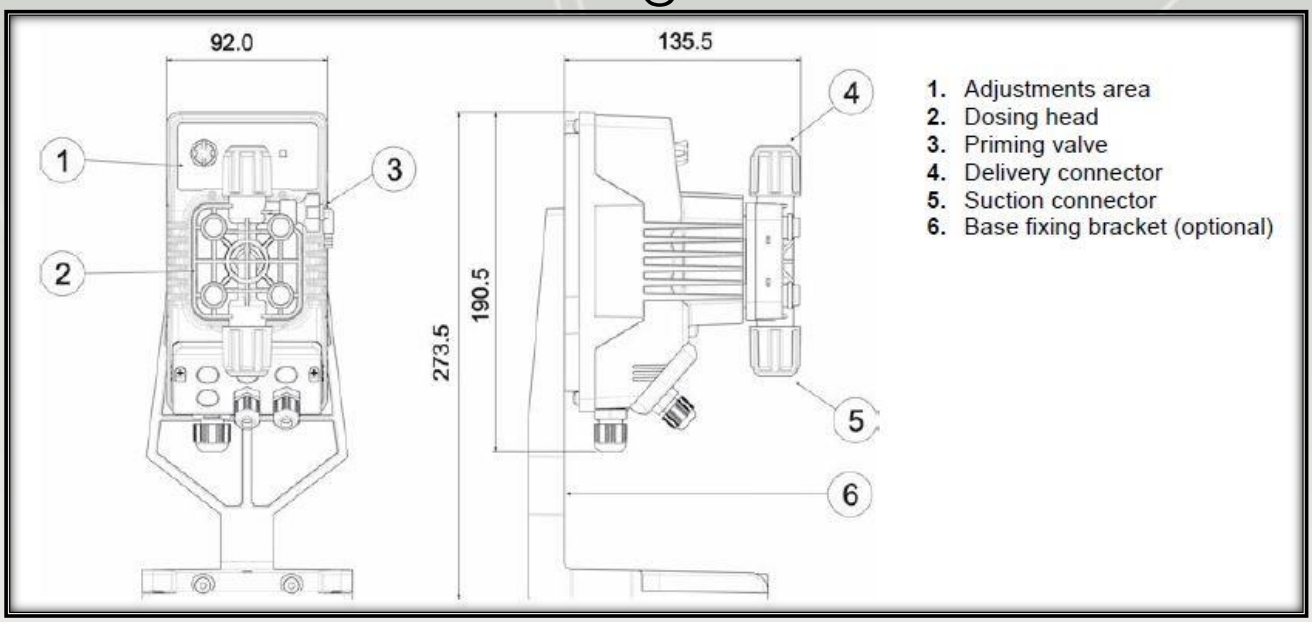
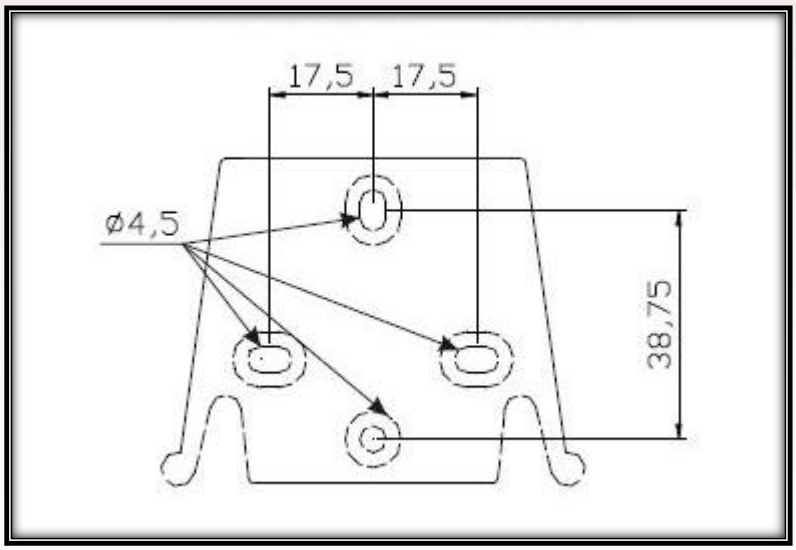
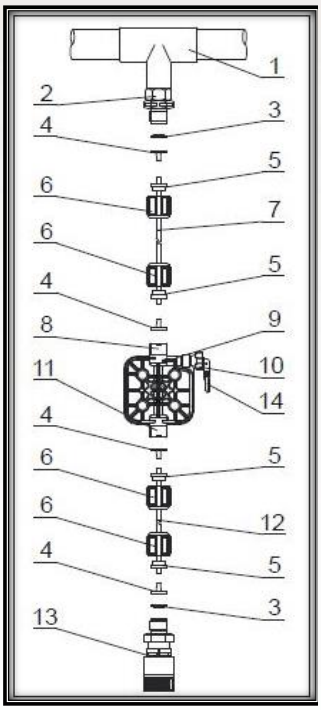
Dimensional drawings



Fixing templates



Plumbing



1-Point injection
2-Fitting injection
3-Seal
4-Pipe holder
5-Pipe clamp
6-Ring nut
7-Delivery hose
8-Delivery valve
9-Body Pump
10-Valve bleed
11-Suction valve
12-Suction hose
13-Filter bottom
14-Connector bleed valve

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