

# Water Treatment



## HYDRA BX

### ELECTROMAGNETIC DOSING PUMPS



## Main characteristics

- Analogue electromagnetic dosing pump with constant dosing, manually adjustable by a control knob on the front panel. Power-on led indicator
- PVDF-C pump head
- Double ceramic balls
- Pure PTFE diaphragm for full compatibility with all chemicals
- Flow rate manual adjustment between 0÷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

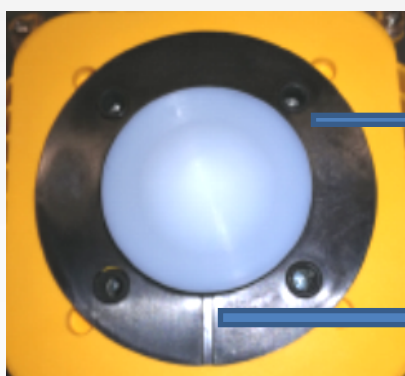
| FLOW RATE | PRESSURES | CC/IMP. | CONNECTIONS | STROKES/MIN. | DIMENSIONS         | PROTECTION | WEIGHT | ABSORPTION | POWER   |
|-----------|-----------|---------|-------------|--------------|--------------------|------------|--------|------------|---------|
| 5 l/h     | 8 bar     | 0.52    | 4x6         | 160          | 190,5 x 92 x 135,5 | IP65       | 1,5 Kg | 12 W       | 230 Vac |
| 3 l/h     | 10 bar    | 0.31    | 4x6         | 160          | 190,5 x 92 x 135,5 | IP65       | 1,5 Kg | 12 W       | 230 Vac |

## 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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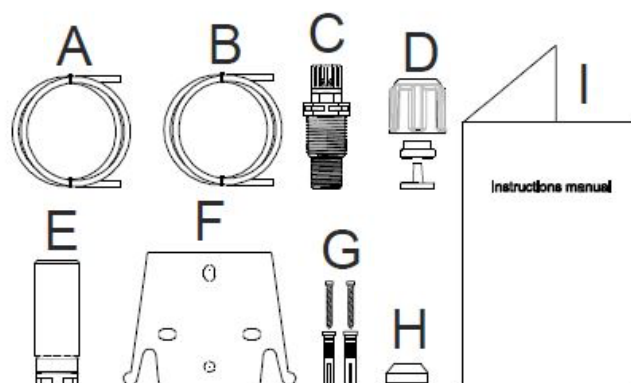


## Main applications

- 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.VIE



- Extractable injection valve PVC 1/2" g.m. IN - 1/2" g.m. OUT



- Extractable injection valve with ball valve PVC 1/2" g.m. IN - 1/2" g.m. OUT

### AC.ST



- Horizontal base mounting bracket

### AC.VS



- Back-pressure valve up to 10 bar
- PTFE diaphragm

### PRIMING AID



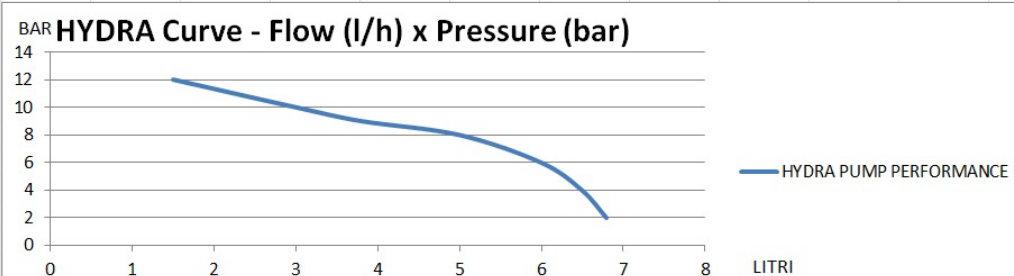
- Capacity: 300 ml
- PVC body
- FPM seals
- Connections: 4x6mm - 8x12mm

### AC.VM PVDF



- Multifunction valve, antisiphon, backpressure, safety
- PVDF body, PTFE membrane
- Adjustable Pressure 0÷5 bar • Relief Pressure 0÷18 bar

| bar | l/h |
|-----|-----|
| 12  | 1,5 |
| 10  | 3,0 |
| 9   | 3,8 |
| 8   | 5,0 |
| 6   | 6,0 |
| 4   | 6,5 |
| 2   | 6,8 |

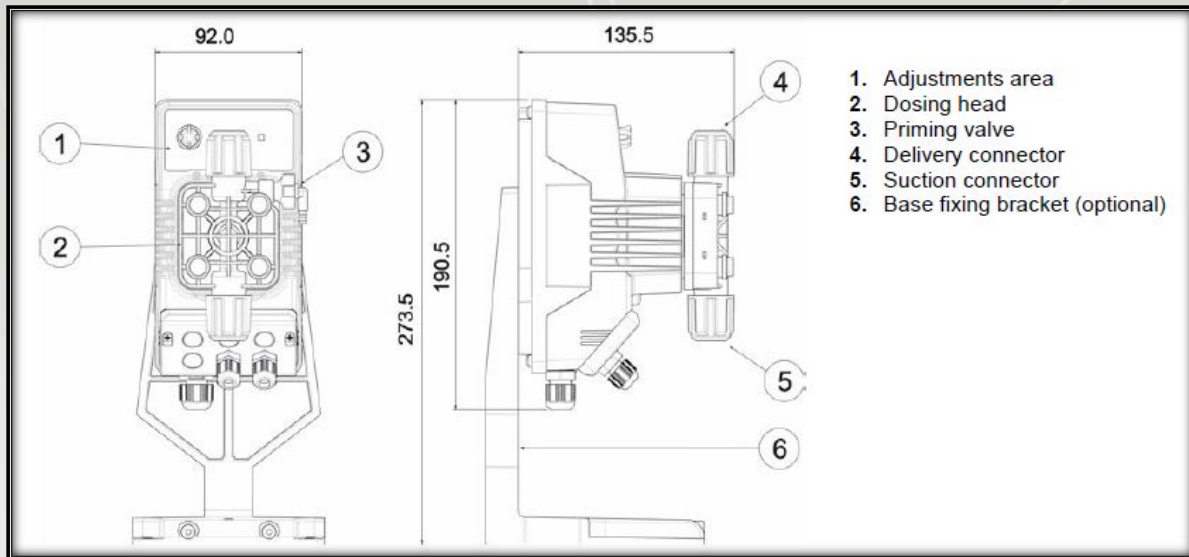




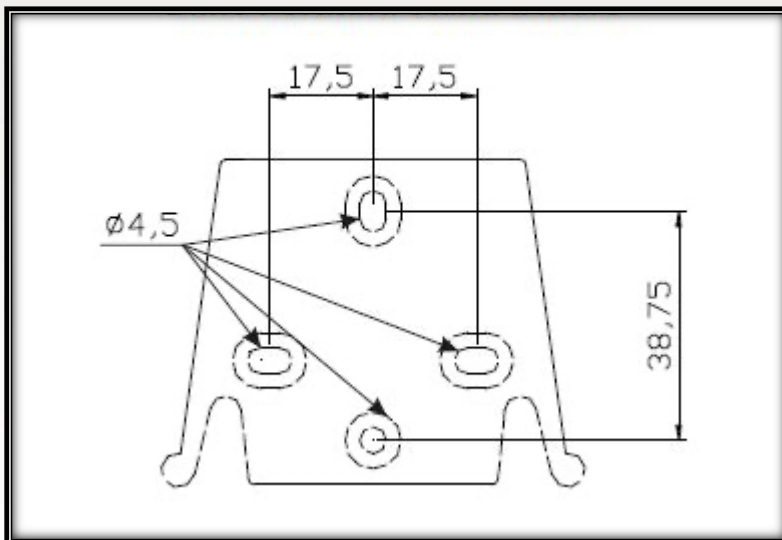
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## Dimensional drawings



## Fixing templates



## Plumbing

