

# Water Treatment



## ATHENA AT AIR COND

### ELECTROMAGNETIC DOSING PUMPS



## Main features

- **PVDF PUMP HEAD** suitable for chemicals used in the industrial applications, such as Water Treatment and Purification
- **Acid-resistant, fireproof, fiberglass-reinforced PP CASE**
- **CERAMIC BALLS** guarantee a reliable dosing and are compatible with all kinds of chemicals
- Durable **PTFE DIAPHRAGM**, compatible with all kinds of chemicals
- **CONSTANT DOSING**
- **STABILIZED MULTI-VOLTAGE POWER SUPPLY** 100÷240 Vac 50/60 Hz with low absorption.
- **QUICK CONNECT**
- **MANUAL PRIMING VALVE**
- **IP65 Protection rating**
- **POWER-ON and LEVEL ALARM Led**
- 2 operating modes :
  - **CONSTANT FLOW RATE** with manual adjustment
  - **TIMED DOSING** with double adjustment (**T.ON – T.OFF**)
- Integrated **ANTI-SEEPAGE** system

# Water Treatment

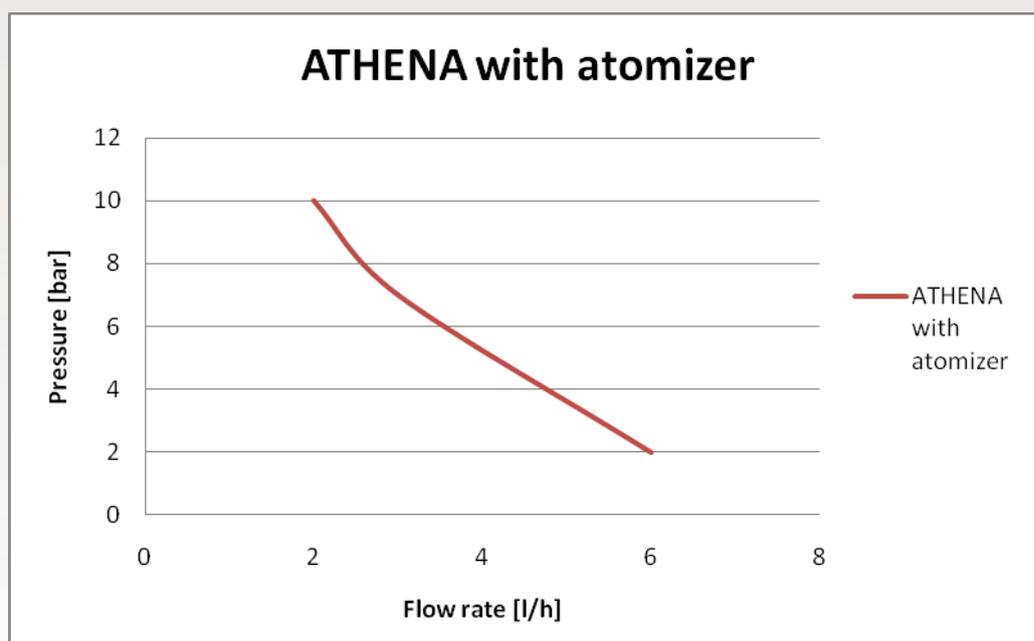


## Technical specification

DATI RILEVATI CON ACQUA A TEMPERATURA AMBIENTE, CON ALTEZZA DI ASPIRAZIONE DI 1,5 m.

FLOW RATE	PRESSURE	CC/STROKE	CONNESSIONI	STROKE/MIN	CONSUMPTION	WEIGHT	MODEL
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2 l/h	10 bar	0,19	4x6 mm	180	12,2 watt	3kg	Athena with atomizer kit
3 l/h	7 bar	0,28	4x6 mm	180	12,2 watt	3 kg	
6 l/h	2 bar	0,56	4x6 mm	180	12,2 watt	3 kg	



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## Atomizer



- **STATIC ATOMIZER** specially designed for the nebulization of disinfectant and deodorant products.
- Made of **HIGH QUALITY** plastic materials, resistant to the chemical products normally used in these applications, as well as under the harshest climatic conditions.
- **NOZZLE:** 0.62 mm.
- At a pressure of 4 Bar the atomizer produces 90 micron-diameter droplets

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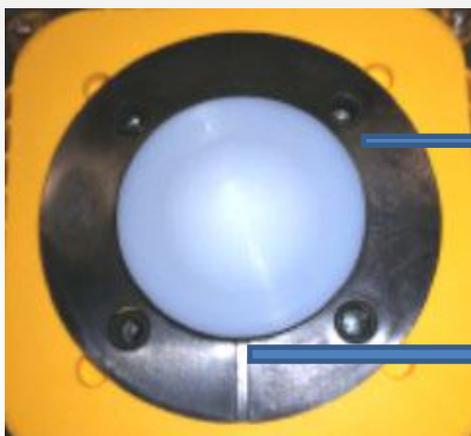
## Anti-seepage system

The anti-seepage system is a solution adopted to prevent the infiltration of chemical products inside the pump: a loss of gasket tightness and infiltration of the dosed chemical may occur in case of damage or deterioration of the O-ring, following the operation of the pump.

The device, integrated in the hydraulic part of the pump between the pump body and its case, behind the diaphragm, allows to expel the chemical from the lower part of the pump body.

When this leakage is visible, the operator may proceed to tighten the pump body to 4Nm, or disassemble the pump body to inspect it and perform the proper maintenance.

The anti-seepage system detects a possible leakage and any problem that may arise from it, but does not replace the periodic maintenance operations described in the instruction manual.



Anti-seepage system

Drainage hole

# Water Treatment



## Installation Kit



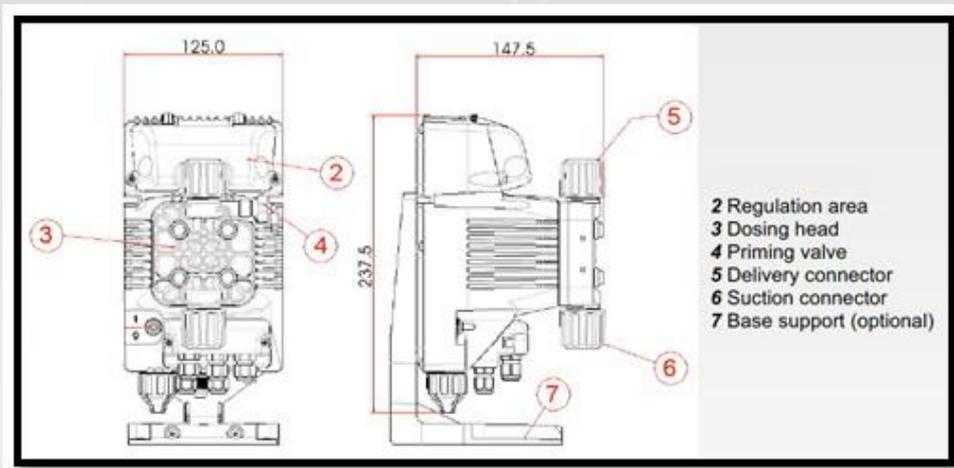
## Accessories

<p><b>AC.VSA (ATHENA.1 .2 .3)</b></p>  <ul style="list-style-type: none"> <li>• PvdF Pump head with automatic bleed valve</li> <li>• Flow reduction, according to the quantity of air in the liquid</li> </ul>	<p><b>AC.VM PVDF</b></p>  <ul style="list-style-type: none"> <li>• Multifunction valve, anti-syphon, backpressure, safety</li> <li>• PVDF Body, PTFE membrane</li> <li>• Adjustable Pressure 0-5 Bar</li> <li>• Relief Pressure 0-18 Bar</li> </ul>	<p><b>AC.SF</b></p>  <ul style="list-style-type: none"> <li>• PVC Flow sensor</li> <li>• FPM Seals</li> <li>• 4x6 / 8x12 connections</li> </ul>
<p><b>AC.VS</b></p>  <ul style="list-style-type: none"> <li>• Back-pressure valve up to 10 bar</li> <li>• PTFE diaphragm</li> </ul>	<p><b>AC.ST</b></p>  <ul style="list-style-type: none"> <li>• Horizontal base mounting bracket</li> </ul>	<p><b>PRIMING AID</b></p>  <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>
<p><b>AC.VIE</b></p>  <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>	<p><b>AC.SL</b></p>  <ul style="list-style-type: none"> <li>• Level probe equipped with polar cable (2 m.) and bracket</li> </ul>	

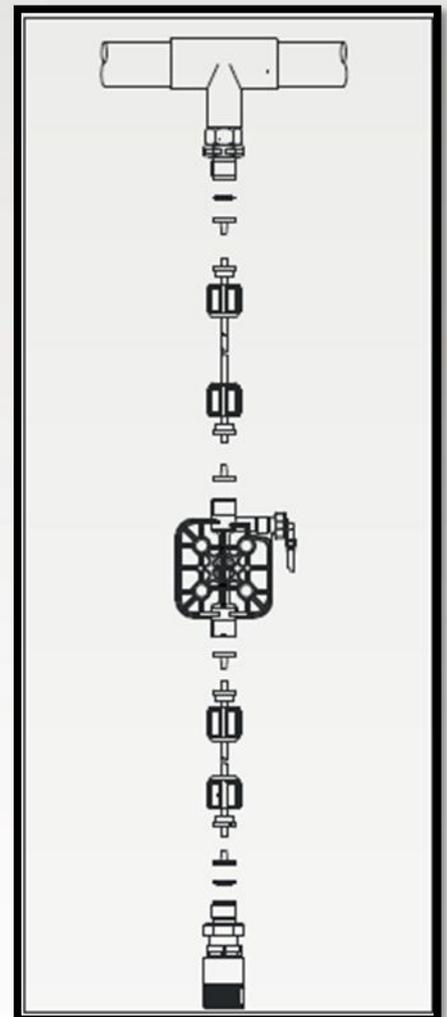
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## Dimensions



## Hydraulic Connection



## Drilling template

