Manufacturing unit in ROME (ITALY)

Under strict quality control as per ISO 9001
**INJECTA** is a leading independent manufacturer and marketer of a complete range of high quality dosing pumps with modern hi-tech plant situated in the industrial area of Monterotondo near Rome.

We commercialize our dosing equipment in Italy and worldwide, exporting approx. 45% of our production to clients based in more than 25 countries. Injecta and its partners focus constantly on innovation and commit to continuous improvements in quality, service, productivity and delivery time compression.

**What makes us different**

Fundamental to the success of our business and quality concepts is the fact that we not only manufacture dosing systems:

- We design them,
- Engineer them,
- Integrate them and
- Deliver them globally.

With the power of state of the art technology we design and build our molds, inject plastic, surface mount our electronics and entirely assemble our products in house giving us a 100% control over the entire just-in-time manufacturing cycle.

This exceptional organization permits us to constantly guarantee the highest quality products at the most competitive prices on the market, backed with total commitment Customer Service.
HYDRA 200 is an analogue dosing pump with constant flow rate manually adjustable by control knob on the front panel with POWER-ON LED indicator.

**Features:**
- PVDF Pump Head - Compatible with all chemicals
- Ceramic Ball - NRV
- PTFE Diaphragm - Unique life expectancy and compatibility with most chemicals
- Flow rate manual adjustment 0-100%
- 100-240 Vac 50/60 Hz AC power supply
- IP65 protection degree

**Accessories:**
- PVC suction & discharge tubing
- Bleed valve
- Injection connector
- Foot valve with filter
- Wall bracket

**HYDRA 200 SPECIFICATIONS**

<table>
<thead>
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<th>3.0</th>
<th>3.8</th>
<th>5.0</th>
<th>7.5</th>
<th>8.3</th>
<th>9.1</th>
<th>10.0</th>
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<tbody>
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<td>Pressure (BAR)</td>
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<td>8</td>
<td>6</td>
<td>3</td>
<td>2</td>
<td>1</td>
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<table>
<thead>
<tr>
<th>Model</th>
<th>Cc/stroke</th>
<th>Stroke/minute</th>
<th>Connections</th>
<th>Power Rating</th>
<th>Dimensions/ Weight</th>
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<tbody>
<tr>
<td>Hydra 200</td>
<td>0.52</td>
<td>160</td>
<td>4x6 mm</td>
<td>230V, 50HZ, 14W, IP65</td>
<td>190.5x92x135.5 3kg</td>
</tr>
</tbody>
</table>

All Dimensions are in MM.
**ELECTROMAGNETICS PRODUCTS**

**ATHENA APBX ANALOGIC WITH CONSTANT FLOW ELECTROMAGNETIC DOSING PUMPS**

APBX series is an analogue dosing pump with constant manually flow rate adjustable by control knob on the front panel with POWER-ON LED indicator.

**Features:**
- PVDF Pump Head – Compatible with all chemicals
- Ceramic Ball - NRV
- PTFE Diaphragm - Unique life expectancy and compatibility with most chemicals
- 0 ÷ 20 % double manual flow regulation
- 100 ÷ 240 Vac Power Supply suitable for power fluctuation
- IP65 protection degree

**Accessories:**
- PVC Suction & Discharge Tubing
- Bleed Valve
- Injection Connector
- Foot Valve With Filter
- Horizontal base mounting optional

**Range:**
- **ATBL:** Constant flow, level probe predisposition
- **ATAM:** To an analogic signal (4 ÷ 20 mA) with the possibility to regulate in percentage the maximum flow
- **ATPT:** With double (tempo/pausa) or single temporization and 0 ÷ 100 % flow manual regulation; 0 ÷ 180 sec. Time On; 0 ÷ 180 sec. Time Off

**ATHENA SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Flow (LPH)</th>
<th>Pressure (BAR)</th>
<th>Cc/stroke</th>
<th>Stroke/minute</th>
<th>Connections</th>
<th>Power Rating</th>
<th>Dimensions/Weight</th>
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</thead>
<tbody>
<tr>
<td>APBX 1</td>
<td>1.5</td>
<td>20</td>
<td>1.21</td>
<td>120</td>
<td>4/6 - 4/7 mm</td>
<td>230V, 50HZ, 14W, IP65</td>
<td>125x147.5x238/3kg</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>18</td>
<td>0.28</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>APBX 2</td>
<td>3</td>
<td>12</td>
<td>0.31</td>
<td>160</td>
<td>4/6 mm</td>
<td>230V, 50HZ, 28W, IP65</td>
<td>125x147.5x238/4kg</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>10</td>
<td>0.42</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
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<td>APBX 3</td>
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<td>0.39</td>
<td>300</td>
<td>8/12 mm</td>
<td>230V, 50HZ, 28W, IP65</td>
<td>125x147.5x238/4kg</td>
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<td>2.78</td>
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</tbody>
</table>

All Dimensions are in MM.
**APPAR series** is digital dosing proportional flow with pH/Rx instrument.

**Features:**
- pH: 0 ÷ 14, Rx -999 ÷ +999 mV measure range
- Manual / automatic temperature compensation (pH)
- 4 ÷ 20 mA output on all the recording scale
- Manual / automatic calibration with probe efficiency evaluation
- PVDF Pump Head – Compatible with all chemicals
- Ceramic Ball - NRV
- PTFE Diaphragm
- Flashing of flow rate during the Dosage
- Security password can be settable
- Flow sensor predisposition
- Flashing of functioning statistics
- Alarm repetition relay

**Accessories:**
- PVC Suction & Discharge Tubing
- Bleed Valve
- Injection Connector
- Foot Valve With Filter
- Horizontal base mounting optional
- pH sensor supply optional if required

**Range:**
- **ATBT:** Multifunction pump with proportional dosing (1:n, n:1, 0/4 – 20 mA), Time dosing, batch dosing, Timer function, ppm dosing, statistics.
- **ATMT:** Constant dosing with manual adjustment or timed

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**ATHENA SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Flow (LPH)</th>
<th>Pressure (BAR)</th>
<th>Cc/stroke</th>
<th>Stroke/minute</th>
<th>Connections</th>
<th>Power Rating</th>
<th>Dimensions/ Weight</th>
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<td>1.21</td>
<td>120</td>
<td>4/6 - 4/7 mm</td>
<td>230V, 50HZ, 14W, IP65</td>
<td>125x147.5x238 3kg</td>
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<td>18</td>
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<td>APPR 2</td>
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<td>12</td>
<td>0.31</td>
<td>160</td>
<td>4/6 mm</td>
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<td>0.42</td>
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<tr>
<td>APPR 4</td>
<td>20</td>
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<td>1.11</td>
<td>300</td>
<td>8/12 mm</td>
<td>230V, 50HZ, 28W, IP65</td>
<td>125x147.5x238 4kg</td>
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<td>2.78</td>
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</tbody>
</table>

*All Dimensions are in MM.*
ELECTROMECHANIC DOSING PUMPS

TAM – DIAPHRAGM PUMP SERIES
These metering pumps featuring a spring return stroke in an aluminum housing with oil bath. Each pump equipped with manual flow adjustment and can be optional with an electric actuator which accepts 4÷20 mA.

Hydraulically actuated diaphragm pump with manual adjustable flow rate from 0% to 100%. The movement of the piston is based on a precise reciprocating gearbox which provides for exact volumetric displacement, by providing accurate stroke reproduction. The gearbox is cast aluminium with anticorrosive paint.

The gearbox mechanism is operated by an eccentric cam, which provides a positive displacement delivery stroke, whilst the suction stroke is spring assisted. The gearbox comprises a worm wheel reduction system with all bearings fully supported within the fully lubricated gearbox.

The main features are: high accuracy of dosing; high working pressure, adjustment of injection volume and resistance to aggressive chemicals. Specifically suitable for fluids containing suspended particles.

Technical Specifications:
- 0 - 460 LPH Flow Range
- 10 Bar Max Pressure
- 58 - 78 - 116 Fixed Frequency
- 65÷165 Diaphragm Diameter
- Motor : 0.09kw - 0.37kw
- IP55 protection degree

Material:
- Pump Head : PP, PVDF or SS 316
- Diaphragm : PTFE
- Valve & Seal : PYREX or SS 316

TAM SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Diaphragm Diameter</th>
<th>Stroke/Min</th>
<th>Max. Flow Rate (LPH)</th>
<th>Pressure (Bar)</th>
<th>Connection</th>
<th>Power Rating (Kw)</th>
<th>Approx Weight (Kg)</th>
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<td>116</td>
<td>460</td>
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<td>1”</td>
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<td>13.2</td>
</tr>
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</table>
TAP – PISTON PUMP SERIES

These pumps are plunger piston metering pumps featuring a spring return stroke in an aluminum housing with oil bath.

Each pump has manual flow adjustment and can be optional with an electric actuator which accepts 4÷20 mA.

Technical Specifications:
- 0-1000 LPH Flow Range
- 20 Bar Max Pressure
- 58-78-116 Fixed Frequency
- 6÷24 Piston Diameters
- Liquid Temperature: SS 316 - 90°C
  PVC - 40°C
- Standard Motors: 0.18 Kw-0.75 Kw IP 55 Insulation

Material:
- Pump Head: SS 316 or PVC
- Piston: SS 316 or Ceramic
- Plunger Seal: FPM (Viton)
- Valve & Seat: SS 316 or PVC

TAP SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Piston</th>
<th>Stroke/Min</th>
<th>Max. Flow Rate (LPH)</th>
<th>Pressure (Bar)</th>
<th>Connection</th>
<th>Power Rating (Kw)</th>
<th>Approx Weight (Kg)</th>
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<td>45</td>
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</tr>
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<td>12.8</td>
</tr>
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<td>SS316 PVC</td>
<td>N.A 0.75</td>
<td>30.4</td>
</tr>
</tbody>
</table>

All Dimensions are in MM.
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