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DESCRIPTION

This pump is used to accurately and repeatedly inject milliliters of anti-foam. The timer default factory values are settled to give a 2 ml dosage each 20 seconds ("AUTO" position of selector).

IN BEGINNING OF THE DAY: When starting your anti-foam dosing pump, ensure the dosing line is entirely fill. Use the manual mode, hold the selector button in place to fill the line. When selector is released, it will return on the "AUTO" option. At the end of the day, turn unit "OFF".
**DOSING PIPE INSTALLATION**

Drill a hole in your hood. Use a ½” drill bit specially designed for steel. Install your dosing point where foam begins to form.

Use the clamp provided to maintain in place the 5/16” tubing between your dosing pump and your dosing pipe.
FLOW CALCULATION

This pump allows an approximate maximum flow rate of 240ml/min.

Divide the required liquid quantity by 4 to determine time, in seconds, to be settle on the pump. For example, if 2 ml are required, divide this value by 4 = 0.5 seconds.

*With a pH-meter, confirm solution pH to ensure it’s on target.

![Flow graph](image-url)
The timer on your dosing pump has four adjustments. Each adjustment screw has an arrow to ensure proper positioning. Ranges are used to determine the measuring ranges and timing adjustments are to adjust time value in this range.

For the timer adjustment, you first need to determine the wanted anti-foam volume (ml) as well as how often you want your pump to start. You will find examples in the following pages:
FACTORY VALUES

Values set in the factory are the followings:

Corresponding dosage of 2 ml =

TIME DELAY RANGE “ON” 0.1 – 1 s
TIME DELAY SETTING “ON” 5

Corresponding to a 20 seconds stop time between dosages

TIME DELAY RANGE “OFF” 6 – 60 sec
TIME DELAY SETTING “OFF” 1.5

You can choose to increase or decrease the anti-foam injected volumes or to change the time delay between injections. Below, indicative values for time adjustment screws.
TIME DELAY RANGE AND TIME DELAY SETTING “ON”

When the time delay range “ON” is set to 0.1 – 1 seconds:

<table>
<thead>
<tr>
<th>Dosage (ml)</th>
<th>Screw adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TIME DELAY SETTING “ON”</td>
</tr>
<tr>
<td>1</td>
<td>2.5</td>
</tr>
<tr>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>7.5</td>
</tr>
</tbody>
</table>

NOTE: To increase or decrease dosage, adjust the TIME DELAY SETTING “ON”
### TIME DELAY RANGE AND TIME DELAY SETTING “OFF”

When the time delay range “OFF” is set to 6-60 sec

<table>
<thead>
<tr>
<th>Stop time between dosages (minutes)</th>
<th>Screw adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>1.5</td>
</tr>
<tr>
<td>15</td>
<td>2.5</td>
</tr>
<tr>
<td>20</td>
<td>3.5</td>
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<tr>
<td>25</td>
<td>4</td>
</tr>
<tr>
<td>30</td>
<td>5</td>
</tr>
</tbody>
</table>