Mechanical Diaphragm Dosing Pumps

GRUNDFOS DMX

The Grundfos DMX range has proven its worth in dosing applications worldwide. With their robust diaphragm-based design and high-quality motors, DMX pumps require minimum maintenance and are the best choice for many dosing applications. The DMX range is highly versatile: it covers a wide flow range and offers a variety of dosing head sizes, materials and accessories.

Key Features and Benefits

- Dosing performance from 0.13 up to 2 x 166 gph and up to 145 psi
- Compact design – saves money and space
- Smooth and low-pulsation dosing, proven technology
- Standard diaphragm protection system on all pumps
- Diaphragm leak sensor
- Internal relief valve
- Integrated frequency controller
- Double-head versions increase flexibility or dosing flow rate
- Available with EX classified or ATEX-certified motors

APPLICATIONS

- Drinking water treatment
- Wastewater treatment
- Pulp and paper
- Cooling tower
- Low-pressure boiler feed
- Textile industry
- Food and beverage, dairies
- Cleaning water treatment
- Anywhere disinfection, coagulation, flocculation and precipitation is required
DMX Technical Data

**DMX INFORMATION**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Motor size:</td>
<td>0.12 to 0.5 hp</td>
</tr>
<tr>
<td>Flow, Q:</td>
<td>0.13 to 2 x 166 gph</td>
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<tr>
<td>System pressure:</td>
<td>max. 145 psi</td>
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<tr>
<td>Liquid temp:</td>
<td>max. 158°F</td>
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<tr>
<td>Discharge diameter:</td>
<td>1/2 to 1-1/4 in.</td>
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<tr>
<td>Enclosure class:</td>
<td>IP 55 or IP 65 (depends on motor)</td>
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<tr>
<td>Dosing flow variation:</td>
<td>below +/- 1.5%</td>
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<tr>
<td>Dosing flow linearity:</td>
<td>below +/- 4%</td>
</tr>
</tbody>
</table>

**Graph:**

DMX 60 Hz

[PSI]

232
145
116
87
44
0

Q [gph]

0 5 10 20 42 61 102 166