



## DMX PRE-SELECTED RANGE

### The fast lane to reliable, tough and well-proven DMX dosing pumps up to 765 l/h

#### The perfect choice

DMX mechanical diaphragm dosing pumps have proven their worth in dosing applications worldwide.

The DMX pre-selected range in the product portfolio of mechanical diaphragm dosing pumps covers the most common applications with a wide performance range from 16 l/h (12 bar) to 765 l/h (3 bar) and a variety of accessories.

DMX pre-selected products can be chosen easily and delivered quickly. If necessary, they can be replaced simply and quickly.

#### Materials of housing and wetted parts

DMX 221 pre-selected products have PPE housings offering chemical resistance and all the protection necessary for many applications. DMX 226 pre-selected products have a robust cast-aluminium housing with epoxy coating to meet all application needs. Even covered outdoor installation is no problem. The parts that are wetted by the dosing medium are made of PVC, ceramics, glass, stainless steel, EPDM, FKM and PTFE. Thanks to the thorough combination of materials, your investment costs and running costs for spare parts are kept low over the years.

#### Accessories for the entire system

DMX 221 pre-selected products up to 50 l/h (DN 8) are optionally available with a suitable installation set comprising pump connections, hoses, foot valve and injection unit.

A wide range of accessories specially designed for the DMX dosing pumps helps optimise performance. We offer accessories such as pressure loading valves, pressure relief valves and pulsation dampers.

#### Accurate dosing - all the time

The diaphragm design makes sure, that the dosing flow fluctuation and the linearity deviation are very low. This allows very precise dosing of chemicals – as much as necessary, as little as possible.

#### Smooth and low-pulsation dosing

Sophisticated drive technology and gear kinematics ensure smooth and low-pulsation dosing without pressure peaks. This means less stress to all system components, such as tubes and valves, and leads to longer service intervals for the entire system.

#### Applications

Tasks like disinfection, coagulation, flocculation, precipitation in various application fields:

- Drinking water treatment
- Waste water treatment
- Pulp and paper industry
- Textile industry
- Cleaning water treatment
- Food and beverage industry, dairies
- Cooling tower water treatment
- Low-pressure boiler feed water treatment
- Irrigation
- Agriculture

## Technical data for DMX pre-selected products

<b>Material</b>	<ul style="list-style-type: none"> <li>• Dosing head: PVC</li> <li>• Diaphragm: NBR, PTFE coated</li> <li>• Gasket: EPDM, FKM</li> <li>• Valve ball: ceramic, glass, stainless steel</li> </ul>
<b>Valve type</b>	Standard, not spring-loaded
<b>Pump connection size</b>	<ul style="list-style-type: none"> <li>• up to 50 l/h: DN 8</li> <li>• from 115 to 460 l/h: DN 20</li> <li>• from 525 to 765 l/h: DN 32</li> </ul>
<b>Protection level</b>	IP65
<b>Accuracy</b>	Dosing flow fluctuation: $\pm 1.5\%$ Linearity deviation: $\pm 4\%$
<b>Approval</b>	CE certificate
<b>Ambient conditions and operating conditions</b>	<ul style="list-style-type: none"> <li>• Permissible ambient temperature: 0 °C to +40 °C</li> <li>• Permissible storage temperature: -20 °C to +50 °C</li> <li>• Max. relative humidity (non-condensing): 70 % at +40 °C, 90 % at +35 °C</li> </ul>
<b>Sound pressure level</b>	55 dB(A), tested according to DIN 45635-01-KL3
<b>Motor variants</b>	<ul style="list-style-type: none"> <li>• 3-phase motors (230/400 V AC, 50/60 Hz) for all pump types</li> <li>• 1-phase motors (230 V AC, 50/60 Hz) for pump types up to 321 l/h</li> </ul>

### Performance ranges

