



## RELIABLE DIAPHRAGM DOSING from 4 to 2 x 765 l/h

### Versatility through choice

The DMX series of high-quality diaphragm pumps is suitable for many uses, e.g. drinking water treatment, wastewater treatment (settlement/sludge treatment), and the pulp/paper and textile industries. The range is designed to be highly versatile, a fact which is reflected in the wide flow range covered and the choice of dosing head sizes, materials, and accessories available. If in doubt, ask us – we will help you configure the DMX that is best for you.

### Tried. Tested. Truly reliable

The DMX series has proven its worth in dosing applications worldwide, demonstrating how its sturdy diaphragm-based design and high-quality motors combine versatile dosing with minimum maintenance requirements.

### Accurate dosing. All the time

The diaphragm design ensures that the dosing flow never varies by more than +/- 1.5 per cent. And the linearity is kept below 4 per cent at all times.

### Smoothness comes standard

The DMX series employs sophisticated drive technology and gear kinematics to ensure smooth, low-pulsation dosing.

### Motors to match application needs

If your application involves specific motor requirements, the versatile DMX range can match that, too: DMX dosing pumps can be configured with servomotors or Atex-class motors as required. As ever, your Grundfos AllDOS consultant is happy to help you choose the right DMX for you.

### Choose the materials – and size – that suit you

The smaller models in the DMX series are enclosed in plastic which is resistant to chemicals and offers all the protection necessary for most applications. The larger models have a robust cast-aluminium gearbox with an epoxy coating to meet all application needs. You also get a choice of materials for parts that come into contact with the chemicals you wish to dose, so it is easy to get a DMX with exactly the degree of chemical resistance you want.

### Large models remain compact

The DMX range comprises ten different dosing head sizes, but careful design work has kept them compact, making it easy for you to connect several pumps right next to each other if necessary.

### Duplex versions saves you money

The two dosing heads fitted in the duplex versions of the DMX range offers you a very cost-efficient way of dosing two different chemicals to suit your application. Of course, the extra capacity offered by duplex versions can also be used to gain higher flow rates for a single chemical.

### Accessories ensure perfect system integration

A wide range of accessories specially designed for the DMX series help optimise performance. This makes commissioning fast and easy. Other accessories are also available to make sure that your DMX fits your system exactly – e.g. pressure loading valves for dosing systems with no or varying back pressure.

### Technical Specifications

| DMX        | Max. capacity (l/h) | Max. pressure (bar) | Freq. 50Hz (spm) | Stroke volume | Voltage                            | Accuracy |           | Max. suction lift | Turndown ratio |
|------------|---------------------|---------------------|------------------|---------------|------------------------------------|----------|-----------|-------------------|----------------|
|            |                     |                     |                  |               |                                    | Flow     | Linearity |                   |                |
| DMX 4-10   | 4                   | 10                  | 29               | 2.2           | 220-240/<br>380-420 V,<br>50/60 Hz | +/- 1.5% | +/- 4%    | Up to 5.5 m       | 1:10           |
| DMX 8-10   | 8                   | 10                  | 63               | 2.2           |                                    |          |           |                   |                |
| DMX 16-10  | 16                  | 10                  | 120              | 2.2           |                                    |          |           |                   |                |
| DMX 27-10  | 27                  | 10                  | 120              | 3.8           |                                    |          |           |                   |                |
| DMX 50-10  | 50                  | 10                  | 120              | 6.9           |                                    |          |           |                   |                |
| DMX 75-4   | 75                  | 4                   | 120              | 10.4          |                                    |          |           |                   |                |
| DMX 115-3  | 115                 | 3                   | 120              | 16            |                                    |          |           |                   |                |
| DMX 67-10  | 67                  | 10                  | 57               | 18.5          |                                    |          |           | Up to 3 m         |                |
| DMX 100-8  | 100                 | 8                   | 120              | 13.8          |                                    |          |           |                   |                |
| DMX 132-10 | 132                 | 10                  | 120              | 18.5          |                                    |          |           |                   |                |
| DMX 142-8  | 142                 | 8                   | 168              | 13.8          |                                    |          |           |                   |                |
| DMX 160-5  | 160                 | 5                   | 120              | 22            |                                    |          |           |                   |                |
| DMX 190-10 | 190                 | 8                   | 175              | 18.5          |                                    |          |           |                   |                |
| DMX 280-8  | 280                 | 8                   | 175              | 27.8          |                                    |          |           |                   |                |
| DMX 321-6  | 321                 | 6                   | 120              | 44.6          |                                    |          |           | Up to 3 m         |                |
| DMX 380-3  | 380                 | 3                   | 168              | 36            |                                    |          |           |                   |                |
| DMX 460-6  | 460                 | 6                   | 175              | 44.6          |                                    |          |           |                   |                |
| DMX 525-3  | 525                 | 3                   | 120              | 73            |                                    |          |           |                   |                |
| DMX 765-3  | 765                 | 3                   | 175              | 73            |                                    |          |           |                   |                |

### Performance range

