omd
oliver m. dean, inc.
800-648-3326
www.omdean.com

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.

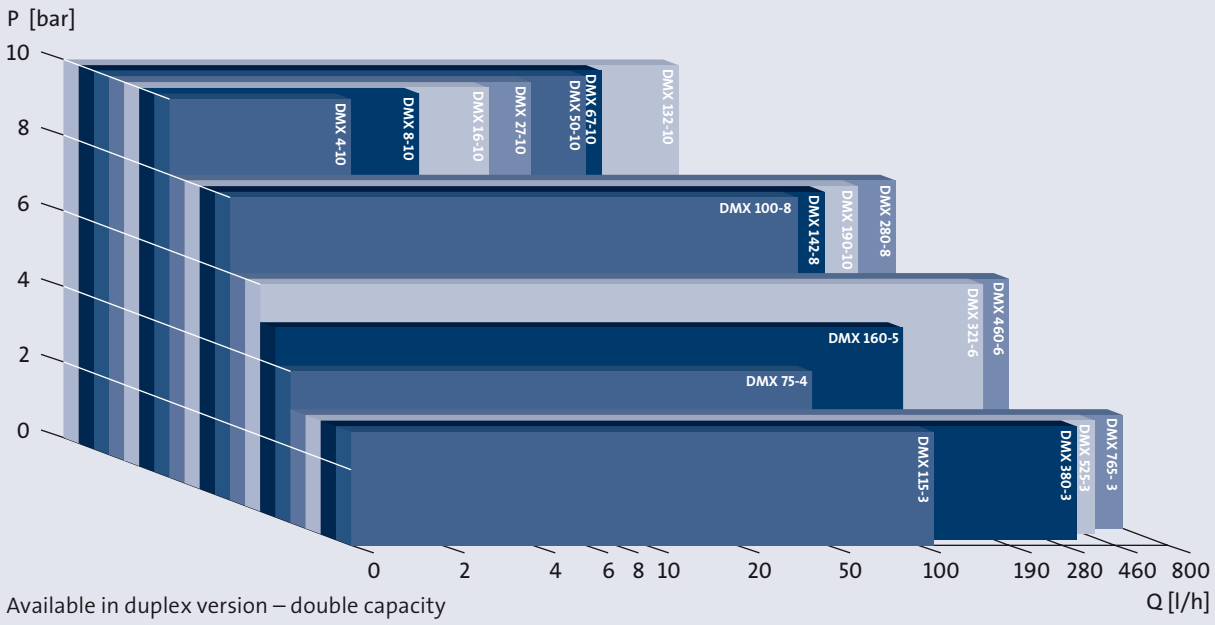
Accessories ensure perfect system integration
A wide range of accessories specially designed for the DMX series help optimise performance. This makes commissioning fast and easy. Other accessories are also available to make sure that your DMX fits your system exactly – e.g. pressure loading valves for 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/ 380-420 V, 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					
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

Pump type



Available in duplex version – double capacity

9660 3950 0905 VENTURE I/S