



## DIGITAL DOSING™

# DME

## Up to 248 gph (940 l/h)

Grundfos has applied the innovative technology of Digital Dosing to expand the performance range of these precision metering pumps. The large DME is perfect for water and wastewater treatment plants, textile and pulp & paper industries, and many other demanding applications.

### Familiar Digital Dosing benefits

The DME 375 and 940 have all the benefits of the highly acclaimed smaller models but offer precision performance at much higher capacities. Available materials include polypropylene, PVDF, and 316 stainless steel.

### Easy to use interface

The intuitive menu structure is extremely easy to use. Use the keypad to set the desired flow in gph (or l/h). With just

the touch of a button, navigate the menu to use the impressive range of standard automatic control features, including pulse, analog, batch or internal timer control. Confirm that “what you set is what you get” by running a quick and simple calibration.

### Smooth, continuous feed

The 800:1 turndown ratio means the large DME will continuously deliver chemicals down to 1/800 of full speed. Precise speed control of the brushless DC motor eliminates the need for a servo-motor/frequency converter or additional variable speed drives.

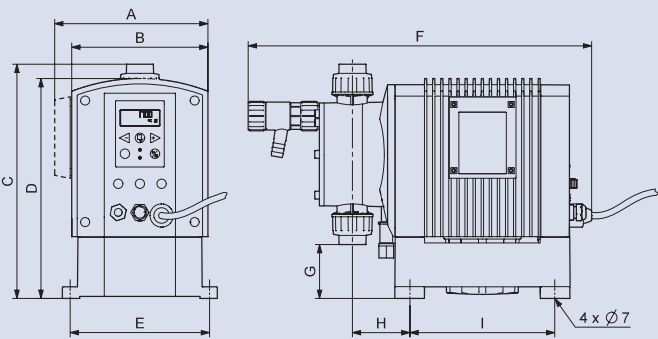
### Accurate through its entire adjustable range

DME pumps always perform at 100% stroke length. Motor speed is carefully timed to deliver the desired feed rate, even in pulse and analog control modes without pausing to rest in between strokes.

### Additional features

- Anti-cavitation: slows down the suction stroke speed 75%, 50%, or 25% to facilitate handling viscous fluids
- Overload protection: will stop the pump if the maximum pressure load is exceeded
- Fieldbus communication: available with Profi-bus interface
- Switch-mode power supply: 100-240 VAC, 50/60 Hz to facilitate use around the globe.

Dimensions: inches (mm)

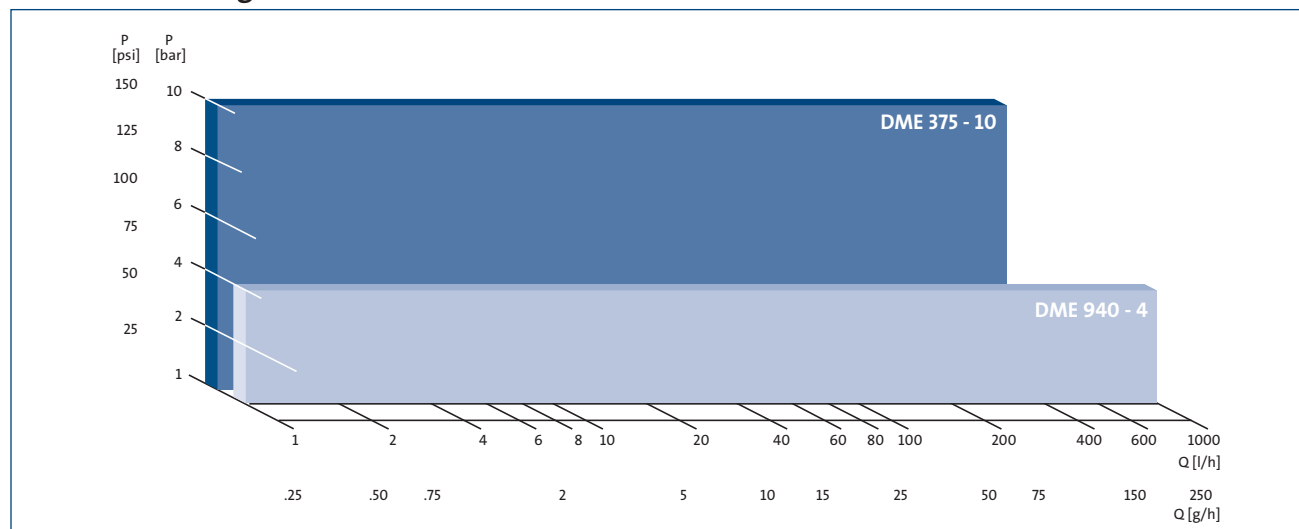
	DME 375-10	DME 940-4	
A	9.37 (238)	9.37 (238)	
B	8.58 (218)	8.58 (218)	
C	18.54 (471)	19.53 (496)	
D	14.33(364)	14.33(364)	
E	9.06 (230)	9.06 (230)	
F	21.26 (540)	21.22 (539)	
G	1.22 (31)	.24 (6)	
H	3.74 (95)	3.74 (95)	
I	9.69 (246)	9.69 (246)	

Product range and performance data

Pump type		DME 375-10	DME 940-4
Max. capacity at max. pressure	gph (l/h)	99.1 (375)	248.3 (940)
Min. capacity	gph (l/h)	0.124 (0.47)	0.31 (1.18)
Max. pressure	psi (bar)	145 (10)	58 (4)
Setting range		800:1	
Stroke frequency	[min <sup>-1</sup> ]	160	
Power supply	[V], [Hz]	1×100-240V, 50-60 Hz	
Accuracy	%	±1% repeatability	
Pump head material		PP, PVDF, 316 SS	
Suction lift: primed/dry	ft [m]	19/4.9 [6/1.5]	
Viscosity*	[cps]	3000 at 50% capacity	

\*Spring-loaded valves

Performance range



L-DME-SL-01 05/07 (US)  
 Subject to alterations

**U.S.A.**  
 GRUNDFOS Pumps Corporation  
 17100 West 118th Terrace  
 Olathe, Kansas 66061  
 Phone: (913) 227-3400  
 Telefax: (913) 227-3500

**U.S.A - Dosing**  
 2270 Northwest Parkway  
 Suite 180  
 Marietta, GA 30067  
 Phone: (770) 956-7996  
 Fax: (770) 956-7836

**Canada**  
 GRUNDFOS Canada Inc.  
 2941 Brighton Road  
 Oakville, Ontario  
 L6H 6C9  
 Phone: (905) 829-9533  
 Telefax: (905) 829-9512

**Mexico**  
 Bombas GRUNDFOS de Mexico S.A. de C.V.  
 Boulevard TLC No. 15  
 Parque Industrial Stiva Aeropuerto  
 C.P. 66600 Apodaca, N.L. Mexico  
 Phone: 011-52-81-8144 4000  
 Telefax: 011-52-81-8144 4010