



## DIGITAL DOSING™ up to 940 l/h

By popular demand, we have applied innovative technology to expand the Digital Dosing™ pump range, allowing it to handle liquids in much larger quantities. With just two models the new DME range can cover the range from 0.47 l/h to 940 l/h. Perfect for large water and wastewater treatment plants, textile industries, pulp and paper industries, and many other demanding applications, the new, large DME pumps bring the benefits of Digital Dosing™ to a new circle of users worldwide.

### Familiar Digital Dosing™ benefits

The DME375 – DME940 l/h pump range has all the benefits of the highly acclaimed smaller Digital Dosing™ range, making exact dosing easier than ever.

### Easy-to-use digital user interface

The simple display allows everyone to be their own dosing specialist. With just a few buttons, you can navigate the straightforward menus to use the impressive range of standard control features – including pulse, analog, timer, batch, and anti-cavitation control – as well as simple calibration and much more.

### Turndown ratio 1:800

With a turndown ratio ten times better than that of traditional equipment, the large Digital Dosing™ pumps give you greater flexibility and accuracy than ever. Only two pump sizes cover the range from 0.47 l/h - 940 l/h.

### Full stroke length at all times

Grundfos AllDOS is the only pump manufacturer to use a full stroke length every time. The strokes are carefully timed, ensuring even concentration in the system and optimal priming throughout the entire operating range.

### Brushless DC motor ensures full control

The ingenious design of the large Digital Dosing™ pumps eliminates the need for a servo motor/frequency converter and ensures smooth and gentle dosing.

### Anti-cavitation

Turndown of the suction stroke to 75%, 50% or 25% of the maximum speed ensuring optimal priming and displacement of even the most difficult liquids.

### Fieldbus communication available

Available with Profibus interface to supply performance data and status information for quality control, preventive maintenance and future reference.

### Overload protection

Built-in overload protection monitors pump counter pressure and protects against exceptionally high pressure loads.

### Switch-mode power supply

The switch-mode power supply ensures that Digital Dosing™ pumps can be used worldwide within the 100–240VAC – 50/60Hz range.

### Several material variants

The DME pump heads are available in stainless steel, PVDF, and environmentally friendly, cost-efficient polypropylene.

### Dimensions (mm)

	DME 375-10	DME 940-4
A	238	238
B	218	218
C	471	496
D	364	364
E	230	230
F	543	543
G	31	6
H	95	95
I	246	246

### Product range and performance data

Pump type		DME 375-10	DME 940-4
Max. capacity at max. pressure	[l/h]	376	940
Min. capacity	[l/h]	0.47	1.18
Max. pressure	[bar]	10	4
Setting range		1:800	
Stroke frequency	[min <sup>-1</sup> ]	160	
Power supply	[V], [Hz]	1×100-240V, 50-60 Hz	
Accuracy	[%]	±1% repeatability	
Pumphead material		PP, PVDF, Stainless Steel	
Suction lift	[m]	4	
Viscosity*	[mPa]	3000 at 50% capacity	

\*Spring-loaded valves

### Performance range

