Grundfos Dosing Pumps
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1. Know Our Products
2. Industrial and Mining Dosing challenges

- Increasing regulatory demands
- Production target demands
- Tighter environmental compliance
- Lower chemical usage
- Tight budgets
3. Grundfos Dosing Pumps Range
Smart Digital Range

Smart Digital S – Dosing rates upto 30l/h
Smart Digital XL – Dosing rates above 30/h

> DDE – Economical smart digital dosing pump for basic dosing applications
> DDC – Digital dosing pump at optimal price – performance ratio
> DDA – High end solution for complex and demanding applications
> DME – Digital dosing for high flow demands and simplicity
Digital Dosing even in the low budget segment

Competitive prices

Less variants through high turn-down ratio 1:1000

Manual control 0,1-100%

Smooth and continuous dosing

High reliability and less lifetime costs due to full PTFE-diaphragm

Power supply 100-240V, 50/60Hz

Flexible installation with Click-Stop mounting plate

Optional (P): External stop, pulse control and level control
DDC

- Operation panel with graphical display and plain-text menu
- Click wheel and intuitive menu structure
- Flow adjustment in l/h or gal/h
- Standard control options integrated (manual, pulse in ml/pulse, external stop)
- SlowMode
- Calibration mode
- Dual-level control
- Optional (AR): Relay output and analog 0/4-20mA control
- Optional: 24-48 VDC model
Six operational modes
Different signal inputs/outputs
Turn-down ratio up to 1:3000
Auto deaeration also during pump stop
Two step key function for unauthorized pump access
Optional (FC): FlowControl system with selective fault diagnosis; Pressure monitoring
Optional (FCM): Flow Measurement; Autoflow Adapt (intelligent flow regulation)
Flexible field bus control
DME – General purpose high performance pump

- Turn-down ratio 1:800 with constant 100% stroke length
- Adjustable slow mode for dosing high viscosity liquids (up to 3000 mPas)
- Two pump variants: 375 l/h at 10 bar, or 940 l/h at 4 bar
- Available in AR (Analogue control) or AP (Pulse control)
- Level control with input for two level signals.
- Alarm relay output.
- Equipped with a logical control panel
DDC & DDA build in graphical display

- Big graphical display
- More than 25 languages
- Click-wheel for easy menu guide
- Intuitive menu structure
- Backlight to show pump status
External source cable inputs
Wiring diagram, DDA
DMX and DMH

Mechanical and Hydraulic pumps

- Available in single or duplex dosing heads
- Robust industrial pump with aluminium or cast iron enclosure
- Automatic adjustment of stroke length via direct drive control or mA-input signal
- ATEX Certified pumps available
- Dosing rates of upto 2x 1500l/h and pressures of upto 200bar on dual heads DMH pumps.
- Both pumps can be fitted with a Servomotor
Application and Processes

Chemical treatment and conditioning of water
- Disinfection and pH adjustment
- Drinking water, Process and waste water
- Food and beverage industries
- CIP applications
- Pulp and paper
- Boiler and cooling tower
- Swimming pool water
- Chemical, Car wash and irrigation
Material of construction

- PVC – Polyvinyl chloride
- PP - Polypropylene
- PVDF – Polyvinylidene fluoride
- Stainless Steel
- Viton
- PTFE
- EPDM

Available combination options
4. Accessories for Dosing Pumps
Accessories used in Installations

- Dosing tanks
- Pressure loading valves and pressure relief valves
- Multifunction valves
- Pulsation dampeners and calibration columns
- Rigid Suction lances
- Foot valves
- Injection units
- Hoses
Thank you!
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20 August 2020

Gerado Pretorius & Raymond Makgoga

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GET IN-DEPTH KNOWLEDGE ON OUR DOSING RANGE

GRUNDFOS WEBINARS

10h00  20 August 2020  60min

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