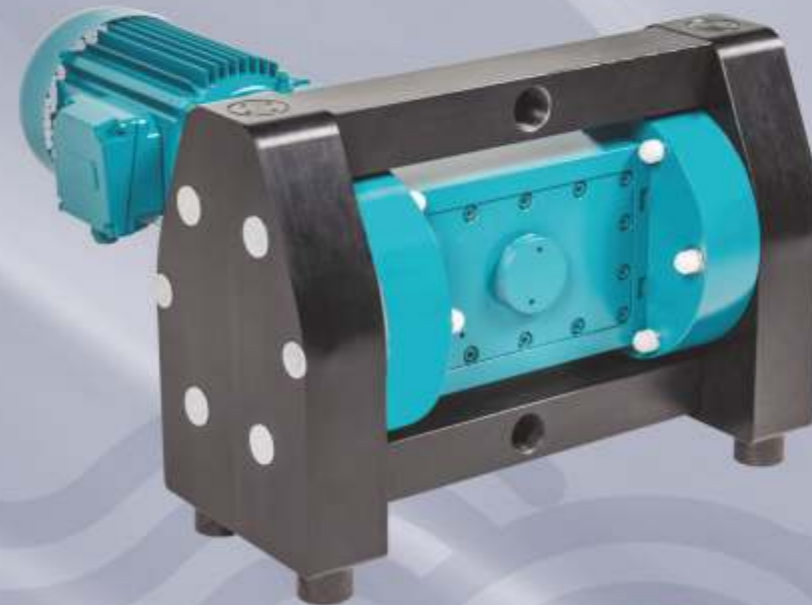


NOTES:

Electro-mechanical Double Diaphragm Pumps



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POWER PLANTS, STEEL WORKS

PE AND PTFE CONDUCTIVE DME PUMP SERIES

PUMP FEATURES

ALUMINIUM, ALUMINIUM WITH PTFE, CAST IRON AND STAINLESS STEEL AISI 316 DME PUMP SERIES



Available sizes:
DME 15, DME 25, DME 40, DME 50, DME 80



Management System
ISO 9001:2008

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ID 9105038609



Available sizes:
DME 20, DME 25, DME 40, DME 50, DME 80



CERAMIC SLIP/GLAZE



SEWAGE TREATMENT, WASTEWATER



POWDER HANDLING

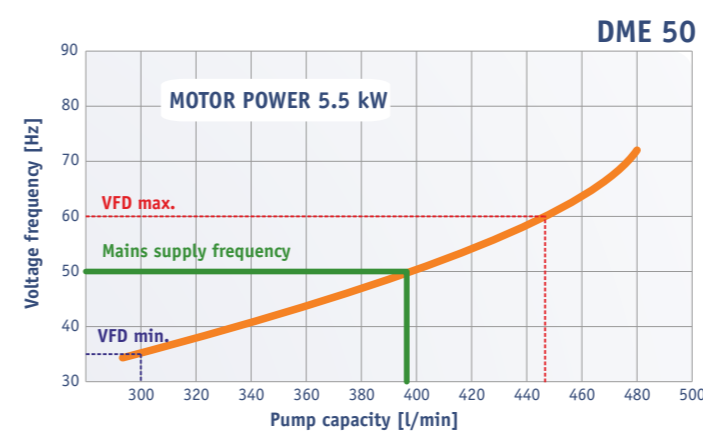
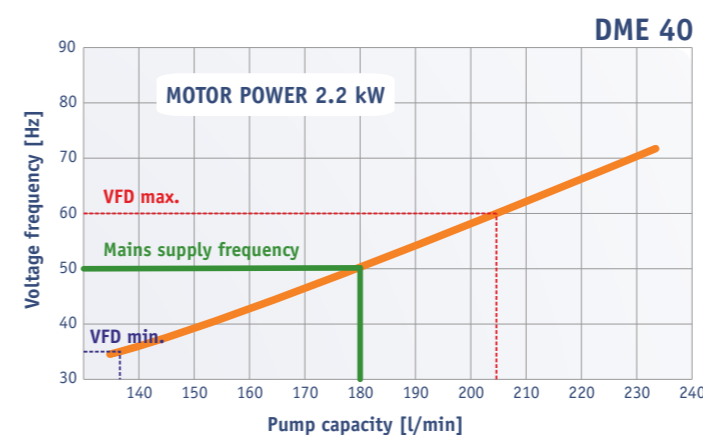
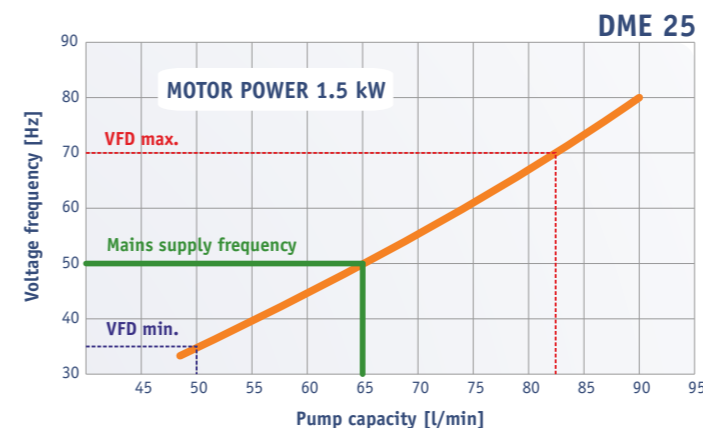
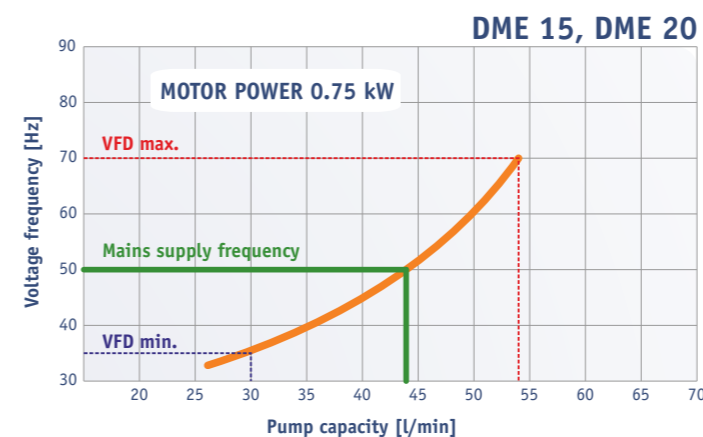


MINING AND CONSTRUCTION



SLUDGE & SLURRIES

DME SERIES FLOW CHARTS



N.B. VFD = Variable Frequency Drive

BASIC INFORMATION

The DELLMECO DME is an electro-mechanical Double Diaphragm Pump which is highly energy efficient. The pump technology is especially designed for universal applications which require low pressure - up to 6 bar. Its compact, special design does not require hydraulic fluid, and preventive maintenance is easy to carry out.

The DELLMECO DME unique design concept and low energy consumption enable us to combine high-tech with proven reliability and quality for the most demanding of customers.

ADVANTAGES OF DME SERIES PUMPS

- housings machined from PE and PTFE conductive blocks and also in aluminium, cast iron, AISI 316 Industrial and AISI 316L Hygienic combinations,
- temperatures up to 120 °C,
- dry-running, low shear, versatile fluid handling capability,
- smooth product transfer,
- low operating costs through highly efficient electric drive,
- constant flow rates against variable pressure and viscosity,
- withstands highly corrosive chemicals,
- long-life fully enclosed diaphragms,
- abrasion resistance with our robust design,
- capacity up to 650 l/min. without Variable Frequency Drive (VFD) flow control,
- optional VFD flow control for process performance (from 35 Hz up to 70 Hz)
- wide range of optional accessories available,
- compact design means less space required compared to cavity and peristaltic pumps.

WIDE RANGE OF APPLICATIONS

PLASTIC PUMPS

- power plants
- refineries
- chemical and pharmaceutical industry
- water supply and wastewater treatment industry

METAL PUMPS

- steel industry
- mining
- surface engineering
- ceramic industry
- pigment production for the paint and colour industry
- automobile industry
- shipping, offshore and inshore
- machine construction
- food and beverage industry
- paper industry
- marble and stone works
- water supply and wastewater management

YOUR ADVANTAGES

- Quality tested - full certification as well as in accordance with ISO 9001:2008
- Low energy consumption
- Easy installation and maintenance, preventive maintenance and professional inspection with performance check,
- Individual spare part combinations for rapid change of applications and conversion with optional equipment
- Trolley available for all sizes for mobility and 'ready to use' options

PUMP CODE AND OPTIONAL EQUIPMENT

Correct selection of materials for diaphragms, ball, or cylinder valves and sealings ensures optimal long life and failure-free pump performance.

DME 25 PTS - DM1

DME - Dellmeco Electro-mechanical Pump 25 - Outlet port dimension, DN	DM1 - Optional equipment
<p>P - Housing material:</p> <p>A - Aluminium C - Cast Iron H - AISI 316L Hygienic R - Polyethylene conductive (PE cond.) S - AISI 316 Industrial Z - Polytetrafluoroethylene conductive (PTFE cond.)</p> <p>T - Diaphragm material (all conductive)</p> <p>E - EPDM N - NBR T - TFM/PTFE</p> <p>S - Material and valve type</p> <p>C - Ceramic, ball valve E - EPDM, ball valve F - PTFE, cylinder valve (Plastic series only) N - NBR, ball valve P - PE, cylinder valve (Plastic series only) S - AISI 316, ball valve T - PTFE, ball valve U - Polyurethane, ball valve</p>	<p>FI - Frequency Inverter ACS - Additional Cooling System DPAP - Diaphragm Pressure Averager with Pushbutton for PE cond. Pumps DPAT - Diaphragm Pressure Averager with Pushbutton for PTFE cond. Pumps DPAS - Diaphragm Pressure Averager with Pushbutton for Metal Pumps PG - Pressure Gauge CPG - Contact Pressure Gauge PBS1 - Pushbutton Switch for Differential Pressure Control (range: 1-10 bar) PBS2 - Pushbutton Switch for Differential Pressure Control (range: 0.8-6 bar), ATEX CB - Control Box for PBS1, PBS2 option DM1 - Diaphragm Monitoring, NAMUR, ATEX DM2 - Diaphragm Monitoring, NAMUR, ATEX plus controller SCE1 - Stroke sensor, ATEX SCE2 - SCE1 plus counter SCE3 - SCE2 with ATEX FE7 - Flange Connections PN10 DIN 2576, PE cond. Pumps FE7.1 - Flange Connections PN10 DIN 2576, PTFE cond. Pumps FEM7 - Flange Connections PN10 DIN 2576, Metal Pumps FE8 - Flange Connections ANSI 150 RF-SO, PE cond. Pumps FE8.1 - Flange Connections ANSI 150 RF-SO, PTFE cond. Pumps FEM8 - Flange Connections ANSI 150 RF-SO, Metal Pumps FE9 - Flange Connections PN16 DIN 2277/2278, PE cond. Pumps FE9.1 - Flange Connections PN16 DIN 2277/2278, PTFE cond. Pumps FEM9 - Flange Connections PN16 DIN 2277/2278, Metal Pumps BFE1 - Back Flushing System, hand operated, EPDM seals BFE2 - Back Flushing System, hand operated, PTFE seals BFE4 - Back Flushing System, pneumatic, EPDM seals BFE5 - Back Flushing System, pneumatic, PTFE seals T - Pump Trolley ATEX - Explosion-proof Certificate</p>