



CHEMICAL AND PETROCHEMICAL REFINERIES



PAINTS, RESINS, INKS AND COATINGS



PULP, PAPER INDUSTRY



FOOD, PROCESSING, BEVERAGE, BIOTECH AND PHARMACEUTICAL



POWER, PLANTS, STEEL WORKS



CERAMIC SLIP/GLAZE



SEWAGE TREATMENT WASTEWATER



POWDER HANDLING



MINING AND CONSTRUCTION



SLUDGE & SLURRIES

POLYETHYLENE CONDUCTIVE AND POLYTETRAFLUOROETHYLENE CONDUCTIVE DME SERIES PUMPS



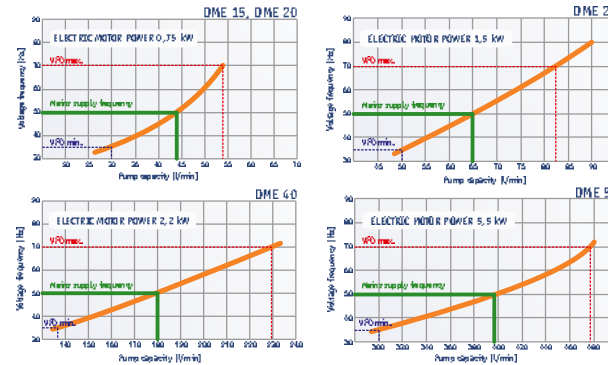
Available sizes: DME 15, DME 25, DME 40, DME 50, DME 80 (PE cond. only)

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



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

DME SERIES FLOW CHARTS



BASIC INFORMATIONS OF DME PUMPS:

This pump technology is especially designed for many different applications which require low pressure - up to 6 bar. The DELLMECO DME is an Electromechanically Driven Double Diaphragm Pump that is highly energy efficient. Its compact, special design does not require hydraulic fluid, and it can be suitably equipped to provide the performance required by each specific application. The DELLMECO Electromechanically Driven Double Diaphragm Pump's design concept and low energy consumption when used, in the most diverse of applications by the most demanding of customers, have helped solidify DELLMECO's good reputation.

ADVANTAGES OF DME SERIES PUMPS:

- housings machined from PE and PTFE conductive (solids), Aluminium, Cast Iron (casts), AISI 316 and AISI 316L Hygienic (drawpieces),
- temperatures up to **120 °C**,
- dry-running, low shear, versatile fluid handling capability,
- smooth product transfer,
- low operating costs through highly efficient electric drive,
- low space required,
- constant flow rates against variable pressure and viscosity,
- withstanding aggressive chemicals,
- long-life fully enclosed diaphragms,
- abrasion resistance, long life through robust design,
- capacity up to 400 l/min. (without VFD flow control),
- optional Variable Frequency Drive flow control for better process performance (from 70% up to 140% of rated power circuit frequency),
- variable flow rate,
- other optional accessories available.

WIDE RANGE APPLICATION USE:

PLASTIC PUMPS DESIGN:

- chemical and pharmaceutical industry
- refineries
- power plants

METAL PUMPS DESIGN:

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

PUMP CODE AND OPTIONAL EQUIPMENT:

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

DME 25 PTS - DM1	
DME - Dellmeco Electromechanical Pump 25 - Outlet port dimension, DN	DM1 - Optional equipment
P - Housing material: A - Aluminium C - Cast Iron H - AISI 316L Hygienic R - Polyethylene conductive (PE cond.) S - AISI 316 Industrial Z - Polytetrafluoroethylene conductive (PTFE cond.)	F1 - 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
T - Diaphragm material (all conductive): E - EPDM N - NBR T - TFM/PTFE	
S - Material and kind of valve: 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	

PUMP FEATURES:



YOUR PROFITS:

- Quality tested - in accordance with ISO 9001:2008
- Less energy consumption in refer to traditional diaphragm pumps
- Individual spare parts combinations are available from stock
- Installation and conversion of optional equipment
- Maintenance, preventive maintenance, professional repair, inspection and performance check availability
- Available trolley for all sizes (Option T)