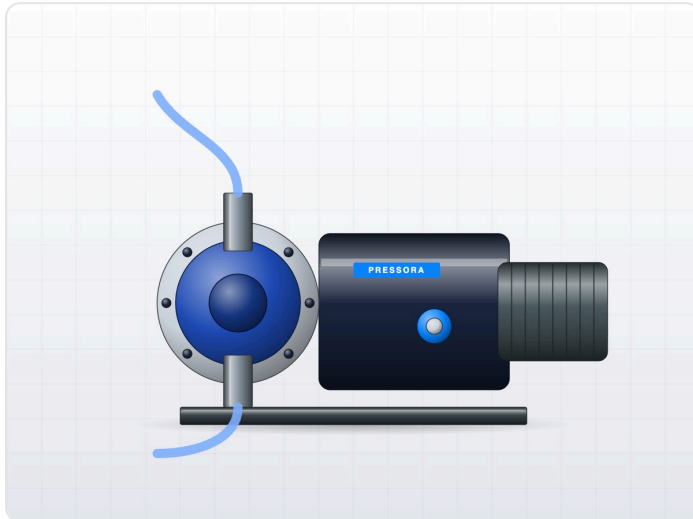


ILLUSTRATIVE DEMONSTRATION DATASHEET — fictional product and data; not for engineering or purchasing use.

DM-45 Diaphragm Dosing Pump

Model DM-45

Motor-driven diaphragm pump for accurate chemical metering.

CAPACITY
Up to 520 l/hMAX. PRESSURE
10 barTURN-DOWN RATIO
1:10FLUID TEMPERATURE
-10 to 80 °C

OVERVIEW

The DM-45 is a mechanically actuated diaphragm metering pump with a PTFE-faced diaphragm and a manually adjustable stroke length. Output is nearly independent of back pressure within its rated range.

Stroke length and stroke rate combine to set the dose, and the head is available in several wetted materials.

KEY FEATURES

- PTFE-faced diaphragm
- Adjustable stroke length, 0–100%
- Repeatability within $\pm 2\%$ (illustrative)
- Optional variable-speed drive

TECHNICAL SPECIFICATIONS

PERFORMANCE	Capacity range	5 – 520 l/h
PERFORMANCE	Max. back pressure	10 bar
PERFORMANCE	Stroke rate	Up to 120 /min
CONNECTIONS	Suction / discharge	G $\frac{1}{2}$ – G1 $\frac{1}{2}$
DRIVE	Motor power	0.18 – 0.75 kW
OPERATING LIMITS	Fluid temperature	-10 to 80 °C
OPERATING LIMITS	Viscosity	Up to 500 mPa·s
MASS	Complete unit	14 – 36 kg

MATERIALS OF CONSTRUCTION

HEAD	PVC or stainless steel 316
DIAPHRAGM	PTFE-faced EPDM
VALVES	Ceramic balls
HOUSING	Aluminium, powder-coated

STANDARDS AND OPERATING CONDITIONS

Design reference: API 675 principles (illustrative)
Chemical dosing of clean, non-abrasive liquids.