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All our products are manufactured in accordance with CE regulations - Die-cast aluminium housing protected by epoxy/anti-acid paint - Flow rate is achieved by by operation of a dial control to adjust the stroke length rate from 10%-100% - The vertically motor drives the pump via a coupling (BP and BD series) - Standard motors are &ldquo;TEFC&rdquo;, 3 phase: 0.18 Kw - 0.25 Kw - 0.37 Kw - 0.55Kw -0.75 Kw; 1400 rpm, Isolation Class F; Protection rating IP55 - Standard power supply: 230/400 Vca / 3 phase / 50 Hz - 275/480 Vca / 3 phase / 60 Hz - Other power supply options available upon request: 230 Vca Single-phase motors 50 or 60 Hz 110 Vca Single-phase 50 or 60 Hz - Tropicalized motors - Other options: Servo motor mechanism which accepts 4-20mA input to remotely control stroke length - Frequency inverter control.

**Gm:** Tread gas male BSPm

**Valves type:** AISI 316: single ball check valve, PVC and PVD: double ball check valve.

**Standard power supply:** 230 &ndash; 400 V three phase 50 Hz &bull; 275 &ndash; 480 V three phase 60 Hz &bull; isolation class F.

Mechanical diaphragm dosing pumps, stroke spring return length controlled by an eccentric gearbox. Easy and minimum maintenance required. A contained PTFE diaphragm ensures chemical compatibility with any dosed chemicals. Manual stroke adjustment and optional 4-20 mA automatic capacity control.

**Features:** Flow capacities of 56 to 535 l/h (14,80 to 141,4 GPH) at 50 Hz - 67 to 574 l/h (17,75 to 151,6 GPH) at 60 Hz &bull; Pressure up to 12 bar (174 PSI) &bull; Strokes: 60-60-103-103-120 at 50 Hz - 75-72-122-122 at 60 Hz &bull; Stroke lengths: 7,9-8,5-10 mm - 3,1&rdquo;-3,3&rdquo;-3,9&rdquo; &bull; Motor Power range: 0,25 &ndash; 0,37 kW.



## Characteristics

### SPRING RETURN MECHANICAL DIAPHRAGM METERING PUMPS ST-D SERIES / D SERIES

Mechanical diaphragm type pumps are suitable when: Pumped liquid is abrasive or contains suspended solid particles - Zero leakage is essential.

**Pump head:** Standard pump head materials are SS316, PVC and PP - Check valve assemblies (single or double ball) are design for easy maintenace and access - Standard connections are Gas Male-BPSm threads.

## **Pressure and Flow Rate Capacity**

### **Liquid End**

**AA Con guration:** AISI (Stainless Steel) 316 pump heads

**BA Con guration:** PVC pump heads

**CA Con guration:** PP pump heads.

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