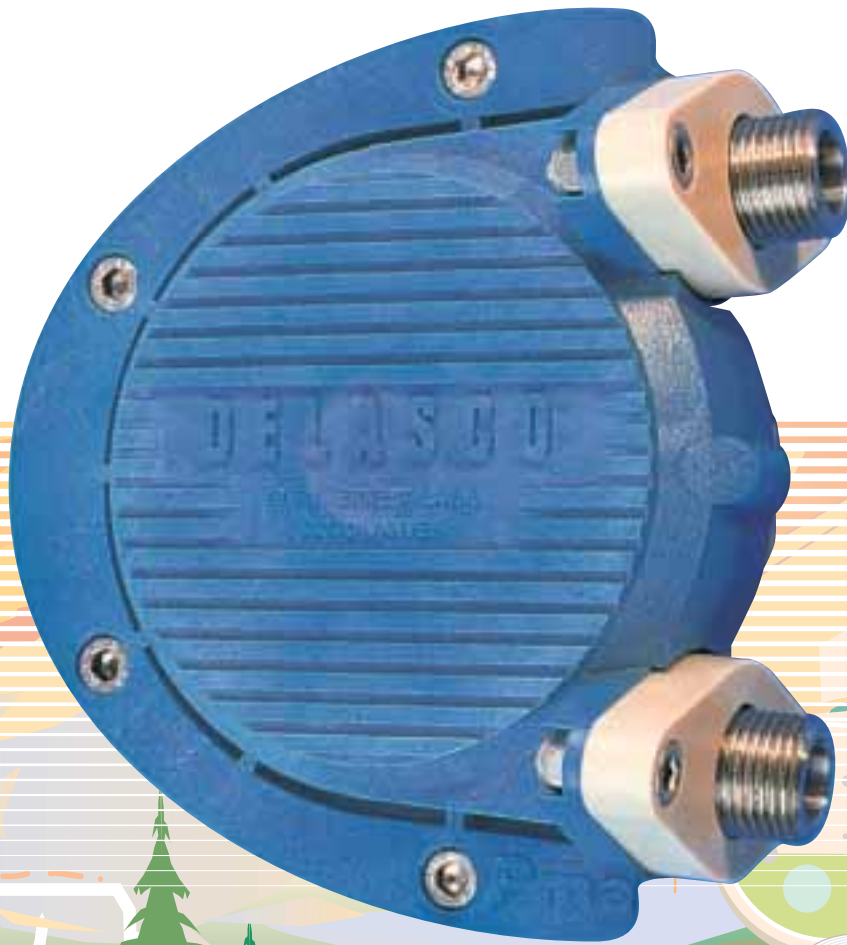


PMA Series

The simple solution for transferring
and dosing in Industry



Keep it
moving

PMA Series from PCM Pompes :

The peristaltic pumping principle is based on the capacity of a soft elastomer hose accepting a deformation and subsequently recovery its initial shape.

▶ Advantages

Of the peristaltic principle:

- Dry Running
- Self-priming
- Seal-less Design
- Reversibility

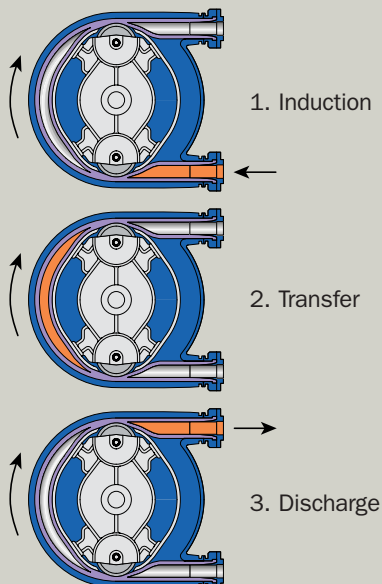
Of the PMA Series:

- Simple and quick maintenance
- Excellent quality/price ratio
- Compact Pump
- Pump body in plastic so resistant to corrosion
- Available in stock

▶ Characteristics

- Minimum flow-rate: 14 l/h
- Maximum flow-rate: 200 l/h
- Maximum pressure: 1.5 bars
- Maximum temperature in continuous operation: 100°C
- Maximum density: 2
- Maximum solid particle size: 3 mm
- Maximum viscosity: 1800 cP
- Cylinder Capacity: 0.009 l
- Self-priming: 5 m W.C. maximum
- Speed: 0 to 195 rpm
- Reversible Pump

▶ Operation



Performances

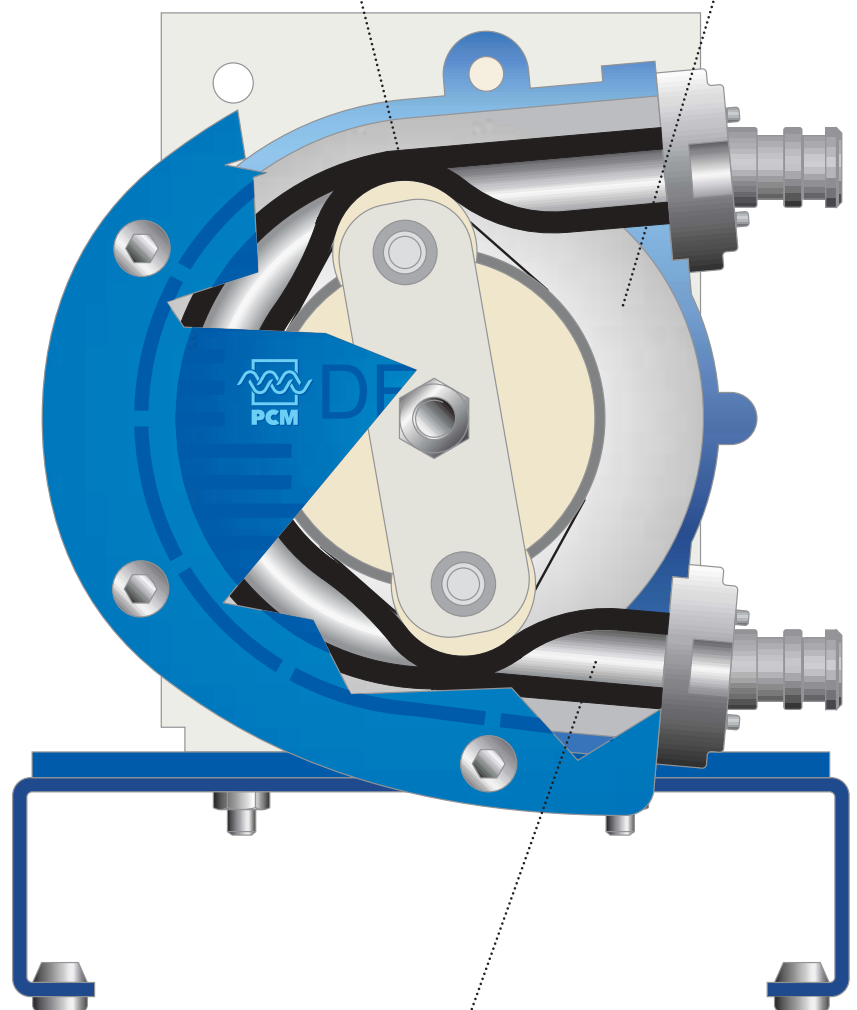
The PMA 10 can be equipped with a gear box or a 90 w, IP55, 220/400 tri-phase variable speed drive.

The pump may also use a mono-phase or a tri-phase frequency drive inverter (contact us).

| Speed (rpm) | Flow rate (l/h) | Pressure (bar) |
|-------------|-----------------|----------------|
| 14 | 14 | 1.5 |
| 70 | 70 | 1.5 |
| 195 | 200 | 1 |
| 16 to 160 | 16 to 160 | 1 |

▶ Compressing technology, using rollers for a better occlusion of the tube. The design increases the squeezed surface area of the hose, lengthening the hose life span.

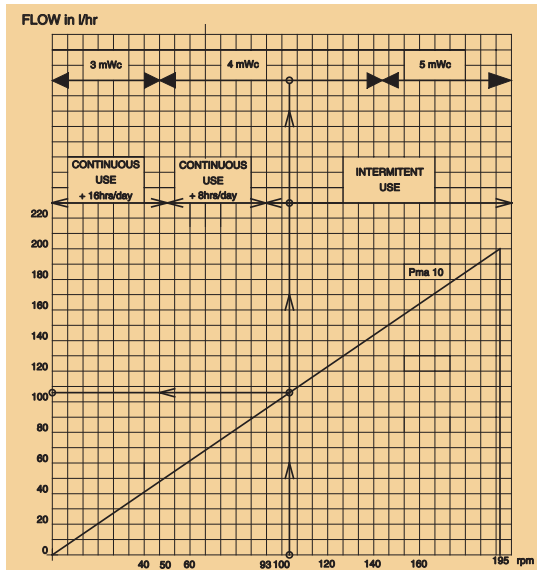
▶ Plastic Stator(PFV) for a better resistance to corrosion



▶ Flexible hose, easy to change.

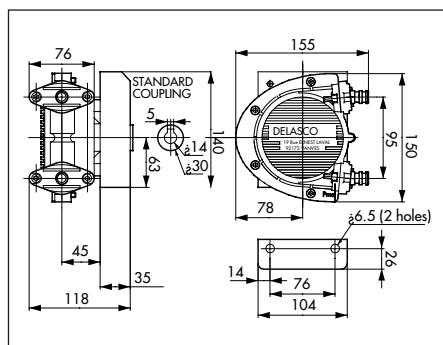
Flow curves on water basis at 20 °C.
Viscosity 1 cP
Specific gravity 1.0
Neoprene Hose
Suction: negligible
Delivery: 1 bar

Example: for a required flow of 105 l/hr
one must select a PMA 10 pump
running at 105 rpm.
At this speed for an optimal hose life
the pump should be used on
an intermittent basis.

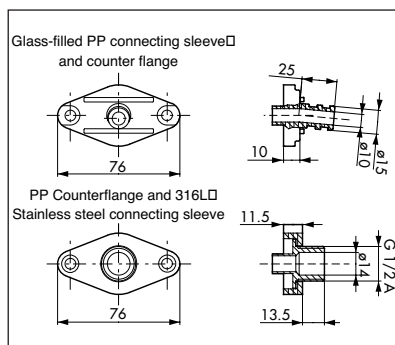


Dimensions

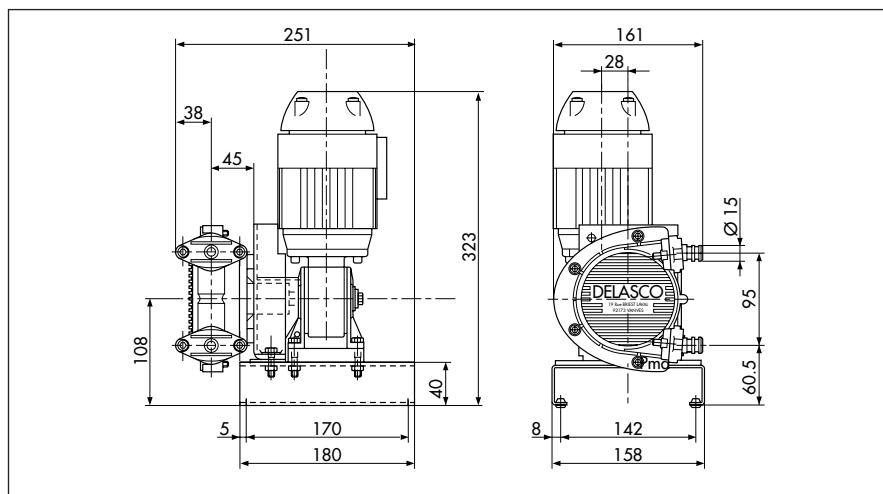
BARESHAFT PUMP



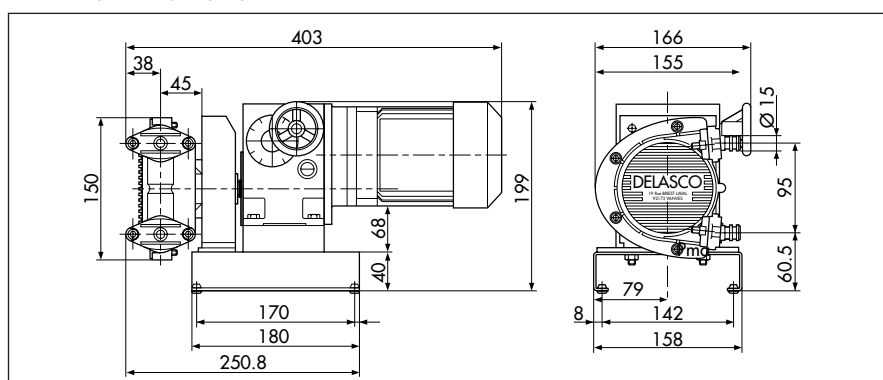
CONNECTIONS



FIXED SPEED PUMPSETS



VARIABLE SPEED PUMPSETS



Applicable directives and standards

The pumps of the PMA Series are manufactured as part of an ISO 9001 certified organisation and comply with the directive requirements and harmonised CE and NF standards.



Characteristics of available hoses:

NEOPRENE

Standard grade for acids and bases.
Caustic soda, detergents, surface treatment baths.
Temperature : 5 to 95° C.

FOOD GRADE THERMOPLASTIC

Oxidising acids (sulphuric), bleach solutions.
Chemical compatibility similar to EPDM.
Its white-cream colour enables it to be used for food, cosmetic and pharmaceutical products.
Temperature : 5 to 95° C.

Applications



PMA Series used for sampling in the control process at a waste water treatment plant

PMA Series for egg white transfer in the food industry



| Activity Sector | Applications the PMA Series from the PCM Delasco Range |
|-------------------|---|
| Water Treatment | Dosing of ferric chloride, lime milk, acids Recovering samples |
| Surface Treatment | Dosing of chemical products for the re-generation baths or the treatment of wastes Dosing and transferring of glues, inks, and additives |
| Paper & Board | Test units, laboratory pump, sampling |
| Chemicals | Dosing of products for CIP (Cleaning in Place) |
| Food | Dosing of flavorings, colorants, ferments Dosing of resins or catalysis in foundries |
| Materials | Dosing and transferring enamel or additives in tile making |
| Other | Dosing of products to mixers Recovering of water samples for analysis |



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