

FOOD



PCM RANGE OF
FOOD PUMPS
AND SYSTEMS

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TRANSFER

PCM HYCARE™

Hygiene and food safety



Performances

- **Pressure:** 16 bars [232 psi]
- **Flowrate:** from 20 l/h to 50 m³/h [220 USGPM]
- **Particles size:** 32 mm [1.26 inch]
- **Range:** 22 models

Benefits

- Protection of products quality and texture
- Hygienic design including a flexible Duraflex shaftline
- Reduced maintenance

PCM ECOMOINEAU™ C WITH FIXED STATOR

Low LCC



Performances

- **Pressure:** 16 bars [232 psi]
- **Flowrate:** from 3 l/h to 180 m³/h [792 USGPM]
- **Particles size:** 32 mm [1.5 inch]
- **Range:** 26 models



Benefits

- Respect of fragile and viscous products
- The shortest progressing cavity pump on the market
- Easy maintenance through its revolutionary joint and its patented connecting system

PCM IVA/LVA

Transfer of viscous products



IVA model

Performances

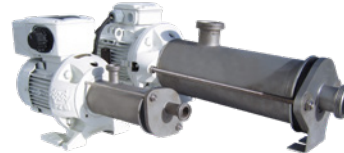
- **Pressure:** 16 bars [232 psi]
- **Flowrate:** from 10 l/h to 55 m³/h [0.04 to 242 USGPM]
- **Hopper:** from 500 to 1500 mm [20 to 59 inch]

Benefits

- Versatility: pumping of high viscosity, heterogeneous or sticky products through its feed screw

PCM ECOMOINEAU™ C WITH FLOATING STATOR

Space and time saving



Performances

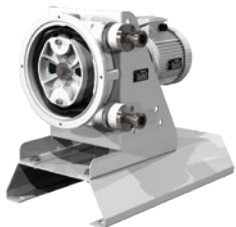
- **Pressure:** 4 bars [58 psi]
- **Flowrate:** from 10 l/h to 6 m³/h [264 USGPM]
- **Particles size:** 8 mm [1/4 inch]
- **Range:** 6 models

Benefits

- Compact, easy integration
- Low life cycle costs
- Simplified maintenance

PCM DL SERIES

Versatility: abrasive, corrosive and fragile fluids



Performances

- **Pressure:** 15 bars [220 psi]
- **Flowrate:** 20 m³/h [88 USGPM]
- **Viscosity:** 40 000 cPo

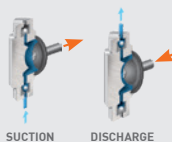
Benefits

- Self-priming
- Reversibility
- Robustness
- Seal-less design



MOINEAU™ TECHNOLOGY PRINCIPLE

A Moineau™ pump consists of a helical rotor turning into a helical stator. When the rotor turns inside the stator, the honeycomb progresses spirally along the axis of the pump without changing either shape or volume. This action transfers the product from the pump intake to the pump discharge without degrading the product.



INJECTION / DOSING

PCM DOSYFRUIT™ PREMIUM



Function

- Fully automated mono or multi-ingredients **dosing** with BIB or containers racking (industrial production of fruit yoghurts)

Benefits

- Minimized product losses
- Increase of industrial equipment productivity
- 100% reliable and repeatable
- Respect of ingredients with or without markers
- Hygienic

Option

- "Compact" version: underframe container, weighting
- "Basic version": single ingredient dosing for semi-automatic process



PCM DOSING UNIT



Function

- Mono or multi-ingredients **dosing of small batches** with BIB, containers or hopper racking

Benefits

- Versatility
- Compactness and mobility
- 100% reliable and repeatable
- Respect of ingredients with or without markers
- Hygienic



PCM HOPPER STATION

Function

- Mono or multi-ingredient **dosing** with hopper racking (semi-industrial or artisanal production)

Benefits

- Modular and autonomous system
- Automatic CIP
- 100% reliable and repeatable
- Respect of ingredients with or without markers
- Hygienic



PCM ADDITIVE STATION



Function

- Dosing** of small doses of mono or multi-perfum aroms or liquid additives with cans racking

Benefits

- Compact and flexible station
- Ease of use
- 100% reliable and repeatable
- Hygienic



PCM LAGOATM Diaphragm dosing pump



Performances

- Pressure:** 12 bars [175 psi]
- Flowrate:** 315 l/h per pumphead [1.4 USGPM/pumphead]
- Accuracy:** +/- 1%

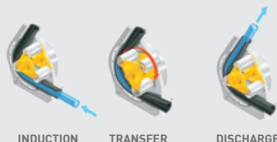
Benefits

- Simple and robust
- Reliable
- Versatile
- Reduced maintenance



LAGOA TECHNOLOGY PRINCIPLE

The Lagoa™ pump is composed of a membrane connected to a piston of which the alternating movement successively fills and empties the pumphead.



DELASCO™ TECHNOLOGY PRINCIPLE

The peristaltic principle is based on the capacity of a soft elastomer hose to accept a deformation and subsequently draw fluids as it recovers its initial shape. The peristaltic pumps are equipped with high and low pressure hoses.



MIXING



PCM DOSYMIX™ Dynamic mixer

Performances

- Pressure: 10 bars [145 psi]
- Flowrate: 0.7 m³/h to 6 m³/h [3 to 26 USGPM]
- Particles size: 25 mm [1 inch]
- Range: 5 models

Benefits

- Mixing of heterogeneous and sensitive products without shearing
- Hygienic design
- Cleanable in place
- Option: hopper function



PCM DOSTAM Static mixer

Performances

- Flowrate: 0.5 to 60 m³/h [2 to 260 USGPM]
- Range: 6 models

Benefits

- Mixing of homogeneous fluids
- Easy to install
- Operation without energy (static without drive)



FILLING, TOPPING, STUFFING

PCM studies your needs and proposes solutions adapted to your constraints.

PCM DOSYFILL

Function

- Filling of diversives viscous products in various containers

PCM ADDITIVEFILL

Function

- Filling of liquid ingredients



PCM DOSYFEED & PCM ADDITIVEFEED

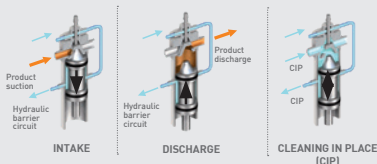
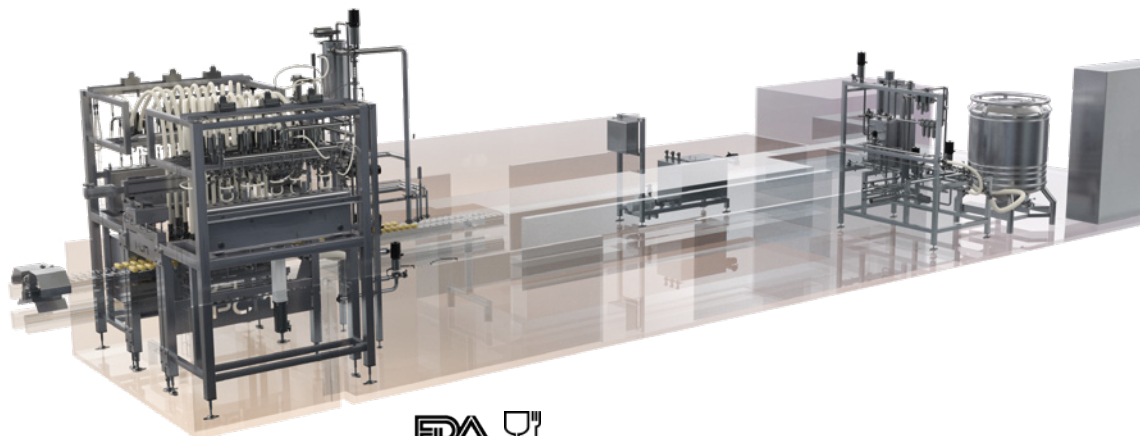
Function

- Stuffing of viscous or liquid products in diverse food preparations

PCM DOSYTOP

Function

- Topping of ingredients



DOSYS™ TECHNOLOGY PRINCIPLE

Dosys™ pump automatically synchronizes dosing volumes with the filling station for optimal performance. It also meters the ingredients with precision (+/- 0,5%), thanks to the servo-driven piston and a patented flow-control valve. Dosys™ pumps are designed to handle liquids, semi-solids and viscous products without degrading their texture.



ATEX certification (for the European Union) indicates that the equipment complies with explosive atmosphere.

AT YOUR SERVICE



All of our services are designed with one goal in mind: optimizing the performance of PCM pumps and systems. From preventive maintenance to spare parts management, from equipment upgrading to training, we strive to best contribute to the productivity of our customers.

In order to provide the best use of our pumps and pumping systems, we offer a wide range of pre and post sales services:

› Tests

Making the right choice

› Installation, Commissioning, Training

Ensuring trouble-free operation

› Maintenance

Guaranteeing efficiency

› Equipment upgrading

Extending lifespan

› Installation audits

Delivering lowest operating costs

› Spare parts

Rapid worldwide distribution

SPARE PARTS

› A rapid worldwide distribution

Operating in more than 90 countries, you can obtain genuine PCM spare parts quickly. Using PCM spare parts ensures that PCM products last as long as possible, benefit from warranty protection and maintain their CE conformity.

› Delivery time and responsiveness

Standard spare parts are dispatched within 24 hours. The orders received before 4:00 pm are processed the same day. A dedicated spare part expert is at your disposal for any information or order request.

› Unmatched component quality

Using genuine PCM spare parts is the smart choice. It is the only way to ensure that our products remain covered by our warranty and maintain their CE conformity until their end of life.

› Expertise in elastomers

We formulate and manufacture our own elastomers. Because we know elastomers play a critical role in our products' life cycle costs, we have developed hundreds of formulas to adapt to the most difficult fluids, while other pumps manufacturers use third-party elastomers.

ABOUT PCM



Founded in 1932 by René Moineau, the inventor of the Progressing Cavity Pump, and Robert Bienaimé, from Gevelot Group, PCM is today **one of the world's leading manufacturer of positive displacement pumps and fluid-handling equipments.**

Our specialty is developing solutions for the lifting, transfer, dosing, mixing and filling of abrasive, fragile, viscous, corrosive, hot or heavy products. **Present around the world**, we provide solutions to three main sectors: **Oil & Gas, Food and Industry.**

For further information:

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