

## Industrial use

for continual transfer, dosing, injection, filling, mixing

### Food and Beverages :



#### Dairy products

- Injection fermenting agents, flavorings, additives, liquid sugar

#### Beverage, wines, beers

- Injection alcohol, flavorings, colorings, fermenting agent, liquid sugar, glucose, syrups

#### Cakes and baked goods

- Injection additives, spices, ingredients, brine, yeast, liquid eggs
- Coating potatoes chips
- Chocolate filled cakes

#### Confectionary

- Injection colorings, alcohol, liquid chocolate, liquor, liquid sugar
- Chocolate coating
- Candies coating
- Chocolate filled cakes

#### Convenience food & canned food

- Dosing sauces, spices, mustard, cream, ketchup, mayonnaise, flavorings agents, baby foods, dressings, jelly

#### Animals food and pets foods

- Dosing enzymes, medicin, flavorings, edible fat, vegetable oils, meat emulsion
- Coating granules

#### Cereals

- Dosing additives, colorings, flavorings

#### Cosmetics

- Dosing cream, pomade, syrups, lotions, gels, oils, milks, liquid soaps, aromatic extracts, liquid pharmaceutical products, additives, active ingredients

#### Pharmaceutical

- Coating pills
- Transfert and dosing liquid sugar flavorings, colorings

#### Plastics

- Transfert and dosing isocyanates MDI, TDI, amines
- Injection polyurethane, polyols
- Dosing additives

#### Paints and inks

- Transfert and dosing water based paints, pigments, catalyst, colorings, inks, hardener

#### Papers

- Injection glue, additives, resins

#### Others applications

- Injection additves for motor laboratory, Biofuel production units

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Section : 1001

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## MICRO C SERIES Mouvex Technology

Eccentric disc pums  
for continuous transfer and low-flow metering

### Innovative Sealless design

- Leak free pumping without the need for magnetic couplings or mechanical seals
- Consistent performance, minimally affected by fluctuations in pressure and viscosity
- Self-adjusting for mechanical wear
- Excellent self-priming and line-stripping capability
- Dry run capability

### Compliance with severe requirements



### Efficient and cost-saving solutions

- Outstanding price / performance ratio

### Small footprint and easy integration

- Excellent self priming
- Ability to run dry
- Strong suction lift (ability to clear the pipes)
- Not affected by viscosity variations and pressure

### Fast and easy maintenance

- Quick dismantling

### Spécially Designed for Continuous Transfer and Metering applications :

- Low flow rate : from 1 à 800 l/hr
- Easily cleaned (no rétention zone)
- Excellent precision and repeatability\*
- Constant volumetric output over time\*

### Idéal for Soap & detergents, Agri-Business, Cosmetics, Pharmaceuticals and Chemicals Processing Applications

- 100 % stainless steel construction
- Extremely gentle with shear-sensitive products
- Meets the most strinent sanitary requirements - 3A and EHEDG (European Hygienic Equipment Design Group).
- Suitable for CIP and SIP
- Atex certification (Ex) II 2 G IIB T4, T3 (in dry operation)
- Integrity of transferred media maintained

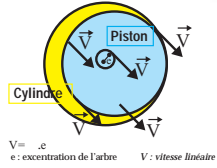


\* Mouvex Technology Eccentric disc pump.

## Advantages Unique Mouvex Technology Sealless Design

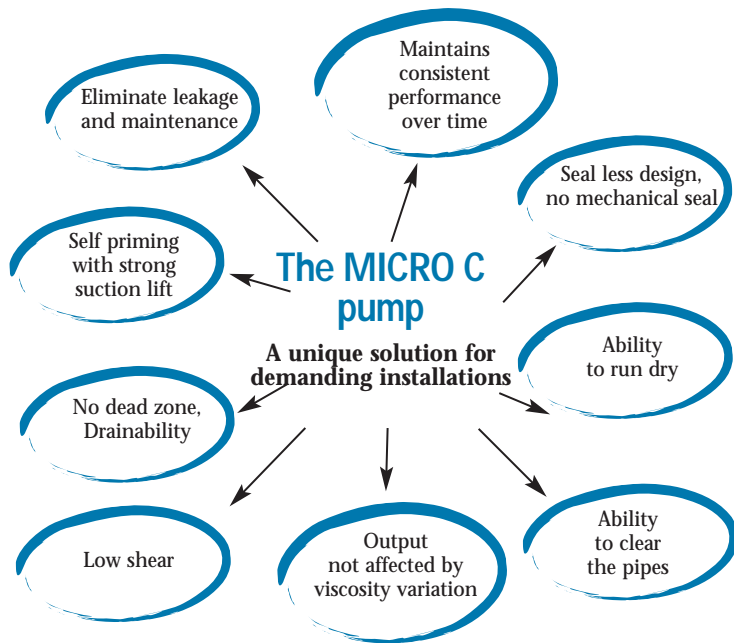


### Low Shear



### Piston movement inside the cylinder

- The disc moves eccentrically, driven by an off-center shaft
- Each point of the disc moves at the same speed
- A circular transfer of fluid is achieved
- The eccentric disc operating principle allows the pump to provide a smooth, steady flow even at low linear speeds.



## The Micro C has an excellent low-flow metering and continuous transfer capabilities

Simple and sturdy  
Stainless-steel construction

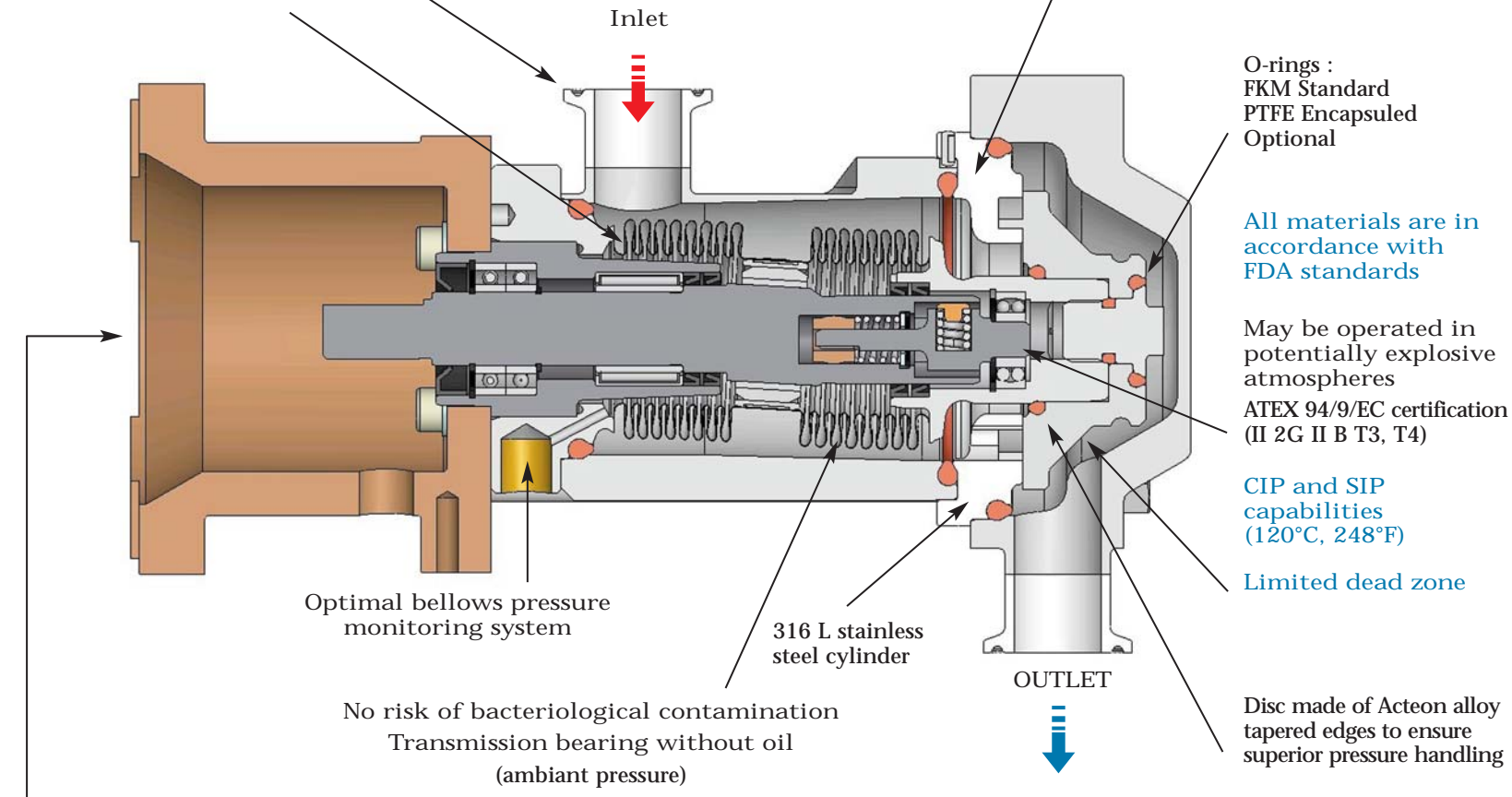
90° pump connection option  
DIN 11851 DN20  
1/2" BSP 1/2" NPT machine-tapping  
DN20 clamp  
Clamp + ribbed tip  
RJT connection

Meets the most stringent sanitary requirements  
CE, FDA, 3A, EHEDG, TA Luft, ATEX

Stainless steel bellows allow for sealless operation

Dry running capability  
Self-priming capability  
High suction allows for line stripping

Long life and consistent performance over time due to its self-adjusting  
Design for mechanical wear

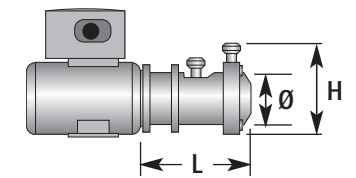
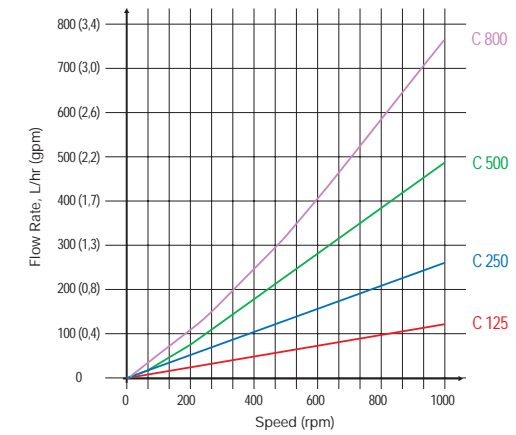


4 configured for IEC and NEMA drives  
Flow rate from 4 to 800 L/hr (0.02 to 3.4 gpm)  
Motor 0,55 kW  
Option :  
• Stainless steel baseplate  
• Stainless steel shroud  
• Fixation bracket

Low shear ensures gentle handling of the pumped product  
Constant flow rate with low pulsation  
Excellent volumetric performance  
Strong compressor effect (empties the pipes)

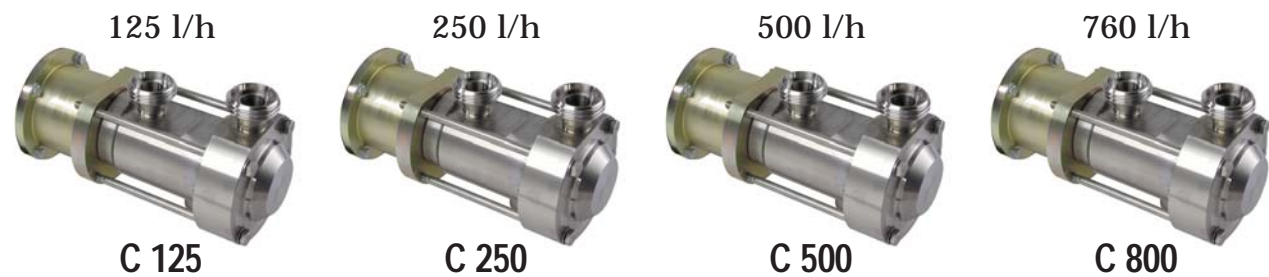
## Specifications :

Body : 316 L stainless-steel  
Bellows : 316 Ti stainless steel  
Piston : Acteon nickel alloy  
Cylinder : 316 L stainless-steel  
Pressure : C125 - 15 bar (217 psi)  
C250 - 10 bar (145 psi)  
C500 - 5 bar (72 psi)  
C800 - 3 bar (43 psi)  
Maximum temperature : 100°C (212°F)



Configuration	C 125	C 250	C 500	C 800
maxi. output l/h (gpm)	125 (0,5)	250 (1,1)	500 (2,2)	760 (3,3)
capacity (l/h)	0,0024	0,0045	0,0090	0,0134
maxi speed (r.p.m)	1000	1000	1000	1000
maxi pressure bar (PSI)	15 (217)	10 (145)	5 (72)	3 (43)
L = length (mm)	242 (9,5)	242 (9,5)	242 (9,5)	242 (9,5)
Ø, mm (in.)	116 (4,5)	116 (4,5)	116 (4,5)	116 (4,5)
H = height, mm (in.)	138 (5)	138 (5)	138 (5)	138 (5)
weight, kg (lbs)	8 (17)	8 (17)	8 (17)	8 (17)
Passageway Ø for non-solid particule flow mm (inch)	0,8 (0,03)	0,8 (0,03)	0,8 (0,03)	0,8 (0,03)

## Choice in the C Series range



## Micro C pump (without motor)



Option :  
Fixation bracket



## 4 unit set-ups

1 - Micro C pump  
Direct drive



3 - Micro C pump  
Gearmotor drive



2 - Micro C pump  
Direct drive with VFD



4 - Micro C pump  
Gearmotor drive with VFD

