Seal-less Design
The Unique seal-less design features a Stainless Steel bellows which ensures durability, safety and product containment. The Micro C Series provides very high suction and discharge pressures which allows it to self prime and fully strip lines, maximizing product recovery.

Run Dry Capability
The Micro C can run dry for up to 5 minutes, and the self-compensating eccentric disc principle provides consistent flow rates over a long period of time. The flow rate is extremely accurate even at low speeds.

Dependable
There are fewer moving parts, which results in reduced maintenance and downtime.

Advantages:
• Eccentric Disc design allows for consistent flow and improved energy savings
• Extremely gentle, pulse-free flow to protect shear-sensitive products
• Reduced maintenance with no mechanical seals or timing gears
• Easy to install
• Clean in place (CIP) and Sterilize in place (SIP) for the ultimate in convenience and cleanliness

Options:
• DIN 11851: DN20 / 3/4"
• BSP/NPT: DN15 / 1/2"
• SMS: DN25 / 1"
• DIN 32676 Clamp: DN20 / 3/4"
• ISO Clamp: DN25 / 1"
• ASME - BPE Clamp: DN25 / 1"
• Mobile-mounted
Operation:
- **Principle:** Eccentric Disc, positive displacement
- **Installation:** Can be base mounted or cart mounted for mobility

Construction:
- All Stainless Steel construction
- Shaft sealed by Stainless Steel bellows
- Ra 0.8 μm (32 μ inch) wetted surfaces

Features & Benefits:
- Seal-less design eliminates leakage
- Ability to strip and drain transfer piping/tubing
- Line-stripping capabilities
- Self-priming
- Strong Suction and Discharge Pressure
- Shear-sensitive handling
- Consistent flow rate independent of pressure
- Low linear speed
- Precise dosing
- Accurate volume metering with high turn down
- Dry-run capable
- Maintains performance over time
- Effective with both high- and low-viscosity fluids
- Full drainability
- Clean-In-Place (CIP)/Sanitize-In-Place (SIP)
- Easy integration

Applications:
- **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, brine,
  - Coating potato chips
  - Chocolate filled cakes
- **Confectionery**
  - Injection colorings, alcohol, liquid chocolate, liquor, liquid sugar
  - Chocolate coating
  - Chocolate filled cakes
- **Convenience food & canned food**
  - Dosing sauces, spices, mustard, cream ketchup, mayonnaise, flavoring agents,
- **Animals food & pets foods**
  - Dosing enzymes, medicine, favorings
- **Cereals**
  - Dosing additives, colorings, flavorings
- **Cosmetics**
  - Dosing cream, pomade, syrups, liquid pharmaceutical products, lotions, gels, oils, milks

Mouvex Technology
Eccentric disc pumps consist of a cylinder and pumping element mounted on an eccentric shaft. As the eccentric shaft is rotated, the pumping element forms chambers within the cylinder, which increase in size at the intake port, drawing fluid into the pumping chamber. The fluid is transported to the discharge port where the pumping chamber size is decreased. This action squeezes the fluid out into the discharge piping.
Performance Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Speed</th>
<th>Max. Flow Rate</th>
<th>Max. Diff. Pressure</th>
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</thead>
<tbody>
<tr>
<td>Micro C 125</td>
<td>1000 rpm</td>
<td>125 l/h</td>
<td>15 bar</td>
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<tr>
<td></td>
<td></td>
<td>0.55 GPM</td>
<td>217 psi</td>
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<tr>
<td>Micro C 250</td>
<td>1000 rpm</td>
<td>250 l/h</td>
<td>10 bar</td>
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<td>1.1 GPM</td>
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<td>Micro C 500</td>
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<td>2.2 GPM</td>
<td>72 psi</td>
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<td>Micro C 800</td>
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<td>3.52 GPM</td>
<td>43 psi</td>
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Dimensions*

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<tr>
<th></th>
<th>MC125</th>
<th>MC250</th>
<th>MC500</th>
<th>MC800</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>mm (in.)</td>
<td>242.5 (9.55)</td>
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</tr>
<tr>
<td>B</td>
<td>mm (in.)</td>
<td>138 (5.43)</td>
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</tr>
<tr>
<td>C</td>
<td>mm (in.)</td>
<td>116 (4.57)</td>
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<tr>
<td>D</td>
<td>mm (in.)</td>
<td>61 (2.39)</td>
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<tr>
<td>E</td>
<td>mm (in.)</td>
<td>96 (3.78)</td>
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</tr>
<tr>
<td>F</td>
<td>mm (in.)</td>
<td>30.5 (1.20)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>mm (in.)</td>
<td>80 (3.15)</td>
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<tr>
<td>Weight</td>
<td>kg (lbs.)</td>
<td>8 (17.7)</td>
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</tbody>
</table>

*With DIN 11851 Connections