The One series homogenizers, compliant to EU safety rules (CE standards) and built according to EN ISO 9001:2008 Quality System, are the best fit for dairy, food & beverage applications.

**Liquid end**
- Engineered with a reduced number of parts for simplified use and maintenance
- High quality forged stainless steel and special high wear resistant materials for best mechanical and corrosion resistance performance
- Monoblock construction compression head
- Poppet pumping valves (PVP)

**Homogenizing valve**
- Wear parts in solid tungsten carbide for extended operation.
- One stage with pneumatic adjustment from the machine’s control panel
- Second homogenizing stage as option

**Power end**
- Cast iron power frame
- Heavy duty and reliable power frame housing the transmission elements
- AC motor drive (IE2 or equivalent)
- Forced lubrication with gear pump and low oil pressure switch
- “V” belts drive and gearbox speed reduction unit
**One 37TF**

High Pressure Homogenizer

Available up to 250 bar, suitable for CIP and SIP, the One TF machines are the fit for purpose solution for medium size process lines. The energy efficient solution of One range allows to reduce consumptions and optimize the running costs.

**Casing**
- Made of polished stainless steel
- Easy access and maintenance with removable panels
- Ventilation louvers for heat dispersion

**Plungers**
- Chrome coated stainless steel
- Self centering threaded connection

**Tools and spare parts**
- Ordinary maintenance tools and one set of emergency spare parts supplied with the machine
- O&M manual and spare part list on CD-ROM

**Pump valves**
- High Resistant AISI 630 alloy reversible valve seats
- Poppet type (PVP) in solenoid Stellite™

**Product line connections**
- DIN 11851 fittings
- Tri-Clamp™ fittings
- SMS fittings

**Pressure gauge**
- Sanitary design analog high pressure gauge

**Main options**
- 2nd stage homogenizing valve
- Build in electric power board
- Inlet pressure transducer with display and low pressure alarm
- Pressure Gauge with trasmitter 4-20mA
- Inlet pulsation dampener
- Outlet pulsation dampener
- Air Solenoid valve
- Variable speed drive
- Safety valve (SLRV) with handle suitable for CIP

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**Performance**

<table>
<thead>
<tr>
<th>Pressure (bar)</th>
<th>Max Flow Rate (l/h)</th>
<th>Pressure (bar)</th>
<th>Max Flow Rate (l/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 – 150</td>
<td>8000</td>
<td>210</td>
<td>5700</td>
</tr>
<tr>
<td>150</td>
<td>7500</td>
<td>220</td>
<td>5500</td>
</tr>
<tr>
<td>170</td>
<td>7000</td>
<td>230</td>
<td>5200</td>
</tr>
<tr>
<td>180</td>
<td>6500</td>
<td>240</td>
<td>5000</td>
</tr>
<tr>
<td>200</td>
<td>6000</td>
<td>250</td>
<td>4000 – 4800</td>
</tr>
</tbody>
</table>

Each line refers to a different machine, which is designed for the specific maximum pressure and the specific maximum capacity.

**Design features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of plungers</td>
<td>3</td>
</tr>
<tr>
<td>Stroke</td>
<td>70 mm</td>
</tr>
<tr>
<td>Absorbed motor power up to</td>
<td>37 kW</td>
</tr>
<tr>
<td>Net weight</td>
<td>1900 kg</td>
</tr>
<tr>
<td>Gross weight</td>
<td>2200 kg</td>
</tr>
<tr>
<td>Water consumption</td>
<td>90 l/h</td>
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<tr>
<td>Lubricating oil ISO VG 150</td>
<td>28 l</td>
</tr>
<tr>
<td>Gearbox oil EP 220</td>
<td>10.3 l</td>
</tr>
</tbody>
</table>

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