

## GEA Niro Soavi Technical Datasheet

### High Pressure Homogenizer

## One 15TS

From the world leader in high pressure homogenization: absolute quality and reliability with advanced technical solutions for any process need.



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
- Ball (PVB) pumping valves

#### 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

- Heavy duty and reliable power frame housing the transmission elements
- AC motor drive
- Splash lubrication
- "V" belts drive

#### Casing

- Made of polished stainless steel
- Easy access and maintenance with removable panels
- The casing includes a stainless steel terminal box/electrical panel directly accessible from the outside

#### 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

- SS alloy removable and reversible valve seats
- Ball type (PVB) pumping valves in SS alloy

#### Plungers

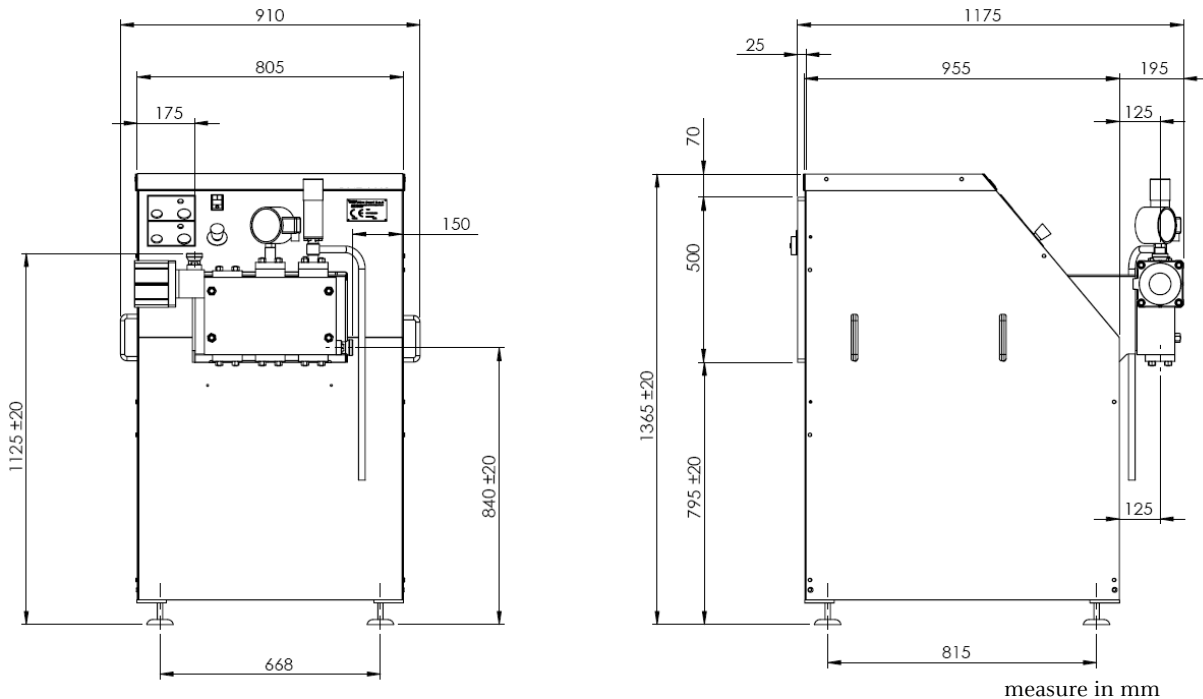
- Chrome coated stainless steel
- Self centering clamped connection

#### Pressure Gauge

- Sanitary design analog high pressure gauge

# One 15TS

## Dimensional drawing



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

### Product line connections

- DIN 11851 fittings
- Tri-Clamp™ fittings

### Power end

- Cast iron power frame
- Forged special alloy steel crankshaft on roller bearings
- Splash lubrication
- Direct belt drive

### Casing

- Polished SS machine casing on galvanized steel frame

### Main options

- 2nd stage homogenizing valve
- Electric power board inside the machine casing (access from the back)

### PERFORMANCES

Pressure (bar)	Max Flow Rate (l/h)
100	4500
130	3400
150	3000
180	2500
200	2200
210	2100
250	1800

### TECHNICAL DATA

Number of plungers	3
Stroke	70 mm
Absorbed motor power up to	15 kW
Net weight	900 kg
Gross weight	1100 kg
Lubricating water	90 l/h
Lubricating oil ISO VG 150	9 l

## GEA Mechanical Equipment

GEA Niro Soavi

Via A. M. Da Erba Edoari, 29 - I 43123 Parma (Italy)  
 Phone + 39 0521 965411 Fax +39 0521 242819  
 Info.GeaNiroSoavi@gea.com www.niro-soavi.com

