

**One**

**11TS**



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



#### **LIQUID END**

Engineered with a reduced number of parts for simplified use and maintenance, features a Monoblock construction compression head made of high performance Duplex forged SS alloy, machined with CNC tooling for the highest quality standards. Parts design and surface finish guarantee a safe sanitary execution for optimized cleaning-in-place of wetted parts.

#### **HOMOGENIZING VALVE**

Accurate homogenizing pressure adjustment through pneumatically controlled valve, also available in double stage configuration for process requirements. Easily replaceable wear parts in solid tungsten carbide for extended operation.

#### **POWER END**

Heavy duty construction power drive, with forged steel alloy crankshaft assembled into a cast iron crankcase housing the power end components, with splash lubrication.

#### **CASING**

Complete stainless steel casing with removable panels, enclosing motor and direct belt drive transmission. The casing includes a stainless steel terminal box/electrical panel directly accessible from the outside.

#### **TOOLS AND SPARE PARTS**

O&M manual and spare parts List on CD-ROM. The standard supply includes maintenance tools and a set of emergency spare parts.

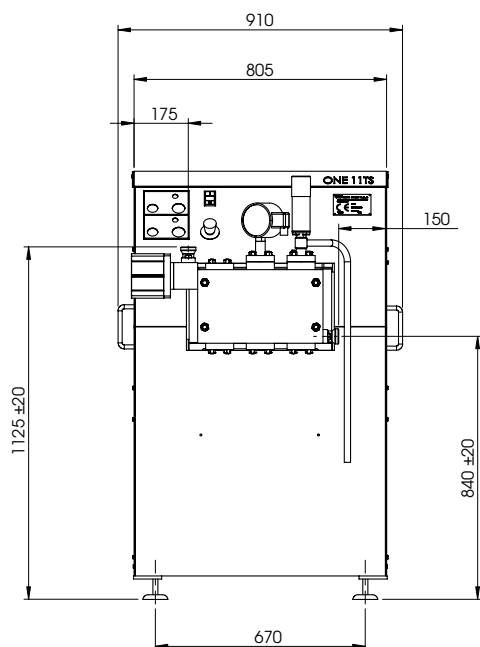
# GEA Niro Soavi

**Leading Pressure**

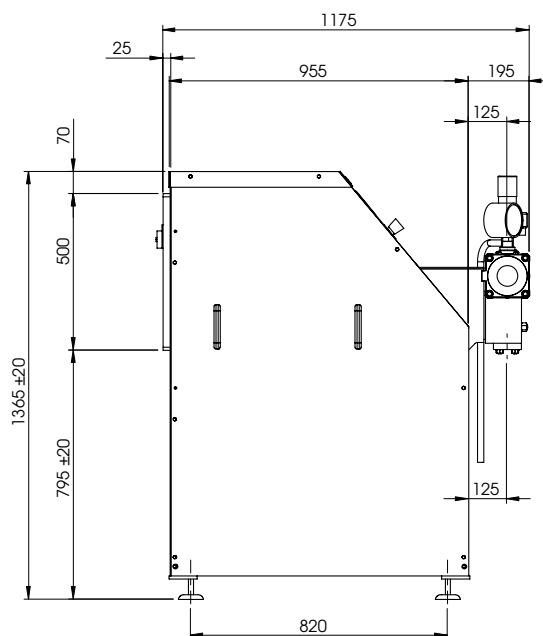
# One

# 11TS

- Designed according to the EU safety rules (CE standards), engineered, manufactured and tested according to EN ISO 9001:2000 Quality Standard
- Available in a range of capacities for operating pressure up to 250 bar
- Simple construction and reduced number of parts, for easy maintenance and cost effective operation
- Energy efficient solutions and reduced consumptions, for optimized running costs
- Easy implementation in complete process lines
- Specific configuration for defined application range in Dairy & Food, including milk and dairy by-products (pasteurized milk, flavoured milk, milk-based drinks, yoghurt drinks, milk for cheese, ice cream mixes), beverages, fruit juices, soy milk



measure in mm



Technical specifications are not mandatory and subject to change without notice

## PERFORMANCE

Pressione (bar)	Portata massima (l/h)
100	3300
130	2500
150	2200
180	1800
200	1650
210	1550
250	1300

## TECHNICAL DATA

Number of plungers	3
Stroke	60 mm
Absorbed motor power up to	11 kW
Weight	700 kg
Water consumption	90 l/h
Lubricating oil ISO VG 150	9 l

## COMPRESSION HEAD

- Special forged high grade Duplex SS alloy
- Monoblock construction, rear packing access

## 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

## HOMOGENIZING VALVE

- Pneumatic actuated
- Wear parts made of solid Tungsten Carbide

## PRESSURE GAUGE

- Sanitary design analog high pressure gauge

## PRODUCT LINE CONNECTIONS

- DIN 11851 fittings
- Tri-Clamp™ fittings

## POWER END

- Rugged 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 for fixed capacity inside the machine casing

**COMPANY**  
**WITH QUALITY SYSTEM**  
**CERTIFIED BY DNV**  
**=ISO 9001/2000=**

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