

GEA Niro Soavi Technical Datasheet

High Pressure Homogenizer

One 75TF

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
- 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

- 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

Casing

- Made of polished stainless steel
- Easy access and maintenance with removable panels

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 USB memory stick

Pump valves

- High wear resistant AISI 630 alloy reversible valve seats
- Poppet type (PVP) in solid Stellite™

Plungers

- Chrome coated stainless steel

Pressure gauge

- Sanitary design analog high pressure gauge

Product line connections

- DIN 11851 fittings
- Tri-Clamp™ fittings
- SMS fittings
- Welding flange up to 30 bar back pressure

Dimensional drawing

