



**MODEL**  
**Homogenizer**  
**HA53 – Star Line**

MODEL	MAX. POWER		PRESSURE bar		CAPACITY l/h
	kW	1.000	1.200	1.500	
<b>HA53 Star Line</b>	400	8.500	7.500	6.000	

\*Values referring to machines with fixed capacity

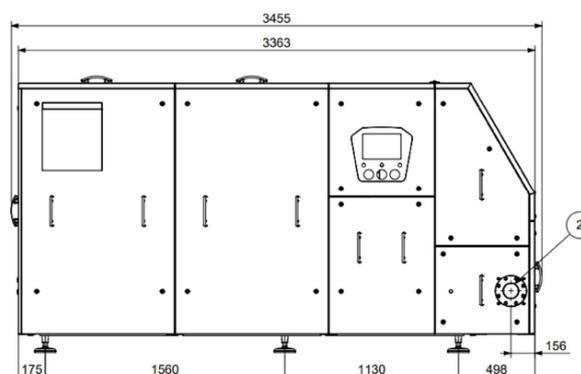
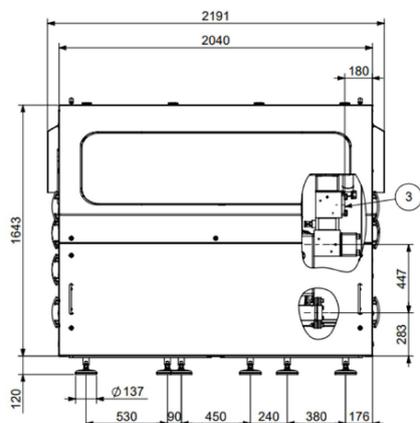
\*\*Values referring to products with a max viscosity of 500Cp

## TECHNICAL DATA

Plunger number	5
Stroke (mm)	140
Weight (kg)	10.000
Water consumption (l/h)	300
Lubrication oil quantity (kg)	120
Connection product inlet/outlet	Flange to weld $\varnothing e115 \varnothing i110 / \varnothing e52 \varnothing i46$
Max. installed power (kW)	400

Design according to MACHINE DIRECTIVES and the HARMONIZED EUROPEAN STANDARD in force.





## FEATURES

Liquid End: Forged shoot peened mono-block made from Duplex SAF2205, 5 Integral Ceramics plungers, Ultra-High Density plunger seals for very high pressure

Homogenizing group:

- Hydro-pneumatic adjustment of the pressure for a great stability
- Tungsten Carbide Homogenizing valves

Stellite™ Ball valves, suction and delivery valve seats integrated in a single component

Overpressure valve, flow switch alarm on water circuit

Digital pressure transmitter 4-20 mA

Drive Unit:

- Forced lubrication system with pressure switch
- Cast iron crankcase
- Nitridized crankshaft
- Double stage transmission system with internal gear reducer with belts and pulleys

Terminal box and control panel for local/remote control

Easy opening panels

Friendly maintenance of the liquid end

Sound-proof design

## MAIN OPTIONS

Second stage homogenizing group

Shoot peened mono block made from Super Duplex SAF2507

Aseptic execution

- Sterile water generator by means of condensed steam generator
- Patent pending sterile water generator by means of microfiltration

Design suitable with: 3A, EHEDG or PHARMA

- Low roughness and electropolished wetted parts
- Certification manual for cGMP

Inlet and outlet connections:

- DIN 11851, Tri-clamp, SMS
- High pressure outlet
- Option upon request

Vibration and temperature monitoring and alarm

Oil control by means of continuous level sensor (guided wave radar)

Standard or Sharp Edge Homogenizing valve with different geometries, materials availability:

- Ceramics

Electric power board:

- For Fixed or Variable capacity
- Remote Control by 4-20 mA signal
- Fully Automatic pressure control by means of PLC

Explosion proof design

