



**MODEL**  
**Homogenizer**  
**HA35 Star Line**

By the world leader in ultra high pressure application, a new design of compression head with:

- Minimum dead volume
- Innovative design of the liquid end for minimized sterilization time and reduction of complexity

MODEL	MAX. POWER kW	PRESSURE bar			CAPACITY l/h
		1.000	1.200	1.500	
<b>HA35 Star Line</b>	110	3.000	2.500	1.800	

\*Values referring to machines with fixed capacity

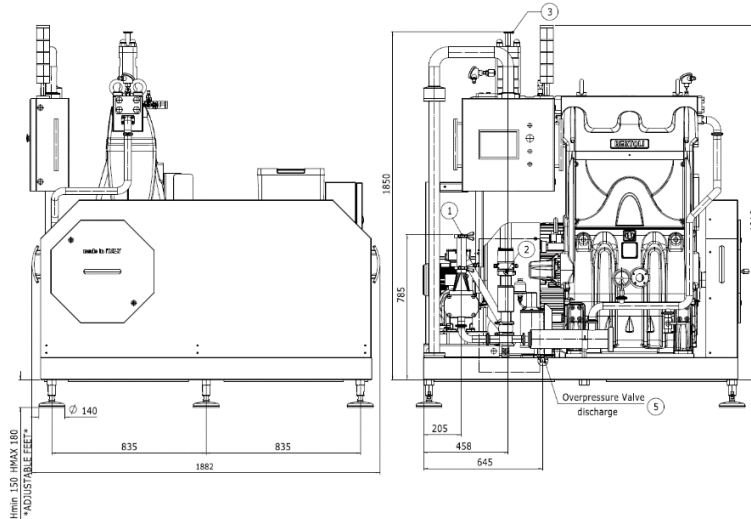
\*\*Values referring to products with a max viscosity of 500Cp

## TECHNICAL DATA

Plunger number	3
Stroke (mm)	130
Weight (kg)	3.500
Water consumption (l/h)	120
Lubrication oil quantity (kg)	37
Connection product inlet/outlet	Tri clamp 2"/1"
Max. installed power (kW)	110

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





## FEATURES

Liquid End: mono-block shoot peened stainless steel compression head made from Super Duplex SAF2507, 3 Integral Ceramics plungers, Ultra-High Density plunger seals for very high pressure

Homogenizing group:

- Hydro-pneumatic actuation of homogenizing pressure for a great stability
- Tungsten Carbide Homogenizing valves

Overpressure valve, flow switch alarm on water circuit

Drive unit:

- Forced lubrication system with pressure switch
- Cast iron crankcase with supporting roller bearings
- Nitruized crankshaft
- Single stage transmission system with internal gear reducer with belts and pulleys

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

Terminal box and control panel for local/remote control

Stainless Steel Frame

Friendly maintenance of the liquid end

## MAIN OPTIONS

Second stage homogenizing group

Vibration and temperature monitoring and alarm

Solvent resistant configuration installing special seals

Standard or sharp Homogenizing valve with different geometries depending on the type of product:

- Ceramics

Design suitable with: 3A, EHEDG or PHARMA

Inlet and outlet connections:

- Low roughness and electropolishing of product wetted parts
- Certification manual for cGMP

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

Aseptic execution

Available skidded version with feeding pump and filter, inlet pressure regulating valve, heat exchangers and temperature probes

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

Explosion proof design

Integrated HMI on PLC panel

Sound-proof design

Electric power board:

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

