



MODEL Homogenizer HA34 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	
HA34 Star Line	90	2.400	2.000	1.500	

*Values referring to machines with fixed capacity

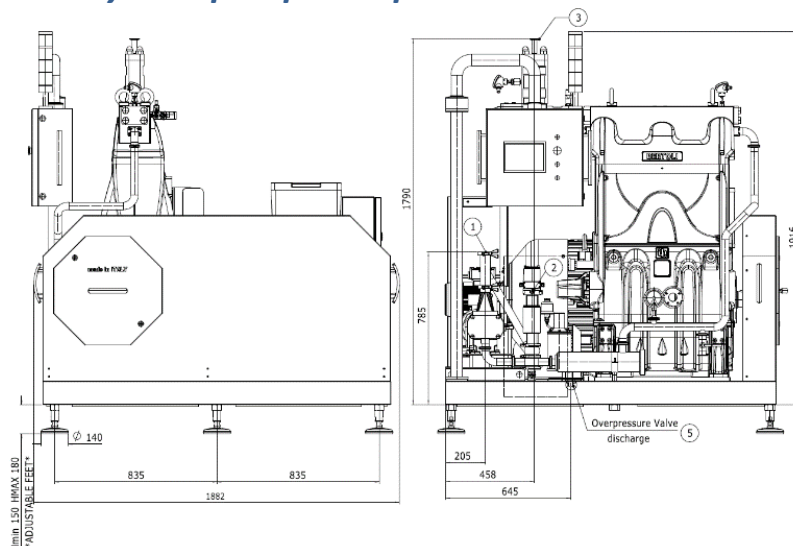
**Values referring to products with a max viscosity of 500Cp

TECHNICAL DATA

Plunger number	3
Stroke (mm)	90
Weight (kg)	3.500
Water consumption (l/h)	120
Lubrication oil quantity (kg)	50
Connection product inlet/outlet	CLAMP CONNECTION 1"
Max. installed power (kW)	90

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
- Nitridized 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: <ul style="list-style-type: none"> • Ceramics
Design suitable with: 3A, EHEDG or PHARMA <ul style="list-style-type: none"> • Low roughness and electropolishing of product wetted parts • Certification manual for cGMP 	Inlet and outlet connections: <ul style="list-style-type: none"> • DIN 11851, Tri clamp, SMS • High pressure outlet • Optional upon request
Aseptic execution <ul style="list-style-type: none"> • Sterile water generator by means of condensed steam generator • Patent pending sterile water generator by means of microfiltration 	Available skidded version with feeding pump and filter, inlet pressure regulating valve, heat exchangers and temperature probes
Explosion proof design	Integrated HMI on PLC panel
Sound-proof design	Electric power board: <ul style="list-style-type: none"> • For Fixed or Variable capacity • Remote Control by 4-20 mA signal • Fully Automatic pressure control by means of PLC

