

# Leonardo Series

HIGH PRESSURE HOMOGENIZERS AND PLUNGER PUMPS SINCE 1974



## The New Leonardo Series

conceived with new modular design, guarantees high flexibility. It is designed with reliability in mind for easy maintenance and installation and for heavy duty applications. Suitable for CIP and SIP

### MODEL TABLE\* | MAXIMUM CAPACITY\*\* | PRESSURE

MODELS	POWER kW	PRESSURE bar	150	200	250	400	600	1000	1200	1500
HA/PA51160	160	CAPACITY l/h	24.000	24.000	18.000	10.500	7.000	3.500	2.500	2.000

\*Values referring to machines with fixed capacity

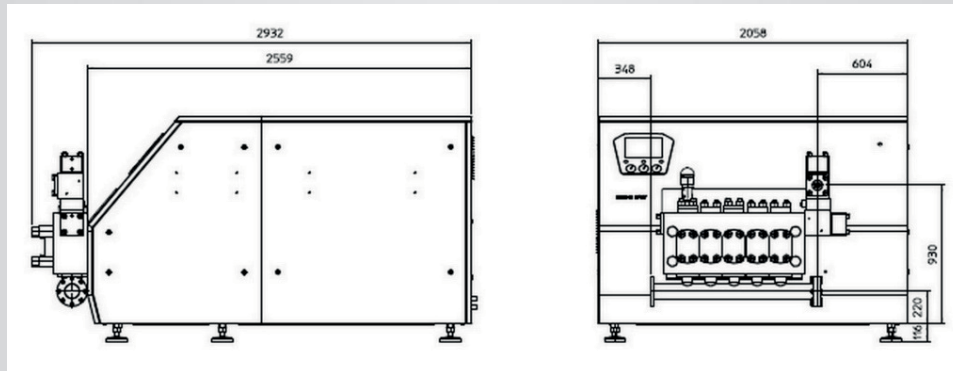
\*\*Values referring to products with a max viscosity of 500Cp

### TECHNICAL DATA

Plunger number	5
Stroke (mm)	100
Weight (Kg)	5900
Water consumption (l/h)	300
Lubrication oil quantity (kg)	60
Connection product inlet/outlet	Socket weld flange $\varnothing$ i102 / $\varnothing$ o70

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





## FEATURES

Duplex (SAF2205) monoblock stainless steel compression head of high mechanical and corrosion resistance, self alignment patented plungers chrome coated.

Double stage transmission system with fixed gear reducer and trapezoidal belts and pulleys

Homogenizing group with hydro-pneumatic adjustment of the pressure for maximum stability and homogenizing valves in stellite™.

Conical valve seat and poppet valves in stellite

Overpressure valve, flow switch alarm on water circuit

Digital pressure transmitter with ceramic membrane

Forced lubrication system with pressure switch, cast iron crankcase with supporting roller bearings, nitridized crankshaft.

Terminal box and control panel for local/remote control

## OPTIONS

Second stage homogenizing group	Tungsten carbide valve seats
Superduplex (SAF2507) Multiblock compression head for pressure > 600 bar	Pumping plungers
Aseptic execution <ul style="list-style-type: none"> <li>• Sterile water generator by means of condensed steam generator</li> <li>• Patent pending sterile water generator by means of microfiltration</li> </ul>	<ul style="list-style-type: none"> <li>• Chrome carbide coating</li> <li>• Integral ceramics</li> </ul>
3A, EHEDG or pharma design <ul style="list-style-type: none"> <li>• Low roughness and electropolished wettables</li> <li>• Certification manual for cGMP</li> </ul>	Electric board <ul style="list-style-type: none"> <li>• Internal electric board for fixed and variable capacity</li> <li>• Automatic pressure control (PID) by means of PLC</li> </ul>
Standard or sharp edge Homogenizing valve with different geometries depending on the type of product <ul style="list-style-type: none"> <li>• Tungsten carbide</li> <li>• Ceramics</li> <li>• High efficiency Margherita valve</li> </ul>	Inlet and outlet connections <ul style="list-style-type: none"> <li>• DIN 11851, Tri clamp, SMS</li> <li>• High pressure outlet</li> <li>Option upon request</li> </ul>
Ball type valve groups	Explosion proof design
	Sound proof design
	Vibration and temperature monitoring and alarm

REV3-11/18-EN

