

# Leonardo Series

HIGH PRESSURE HOMOGENIZERS AND PLUNGER PUMPS SINCE 1974



The New  
**Leonardo Series**  
conceived with new modular design,  
guarantees high flexibility.

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

MODELS	POWER kW	PRESSURE bar	150	200	250	400	600	1000	1200	1500
HA/PA52250	250	CAPACITY l/h	33.000	30.000	24.000	13.000	9.500	4.500	4.000	3.000

\*Values referring to machines with fixed capacity

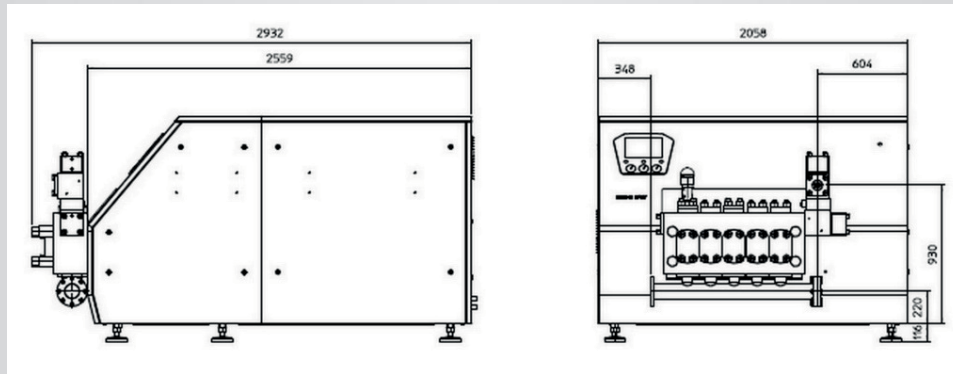
\*\*Values referring to products with a max viscosity of 500Cp

## TECHNICAL DATA

Plunger number	5
Stroke (mm)	100
Weight (Kg)	8000
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.

Transmission system with trapezoidal belts, with gear box and pulleys

Homogenizing group with hydro-pneumatic adjustment of the pressure for maximum stability and homogenizing valves in stellite™. Tungsten carbide or ceramic for abrasive product and ultra-high pressure applications

Overpressure valve, flow switch alarm

Electronic pressure transmitter with ceramic membrane

Double stage transmission system with fixed gear reducer

Forced lubrication system with pressure switch

Terminal box and control panel for local/remote control

## OPTIONS

Second stage homogenizing group	Tungsten carbide or stellite™ valve seats
Multiblock SAF 2507 compression head for pressure >600 bar	Pumping plungers
Aseptic execution	<ul style="list-style-type: none"> <li>• Tungsten carbide coating</li> <li>• Integral ceramics</li> </ul>
<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>	Electric board
3A design	<ul style="list-style-type: none"> <li>• Terminal box inside the machine</li> <li>• Power board for fixed or variable capacity</li> <li>• Internal or external SS cabinet</li> </ul>
<ul style="list-style-type: none"> <li>• Low roughness and electropolished wettables</li> <li>• Certification manual for cGMP</li> </ul>	Inlet and outlet connections
Homogenizing valve with different geometries depending on the type of product	<ul style="list-style-type: none"> <li>• DIN 11851</li> <li>• Tri Clamp</li> <li>• SMS</li> </ul>
<ul style="list-style-type: none"> <li>• Tungsten carbide</li> <li>• Ceramics</li> </ul>	Explosion proof design
High-efficiency patented homogenizing valve "Margherita"	Sound proof design
Ball type valve groups	EHEDG compliant design

\*\*\*Technical specifications are not mandatory and subject to change without notice.

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