

Leonardo Series

HIGH PRESSURE HOMOGENIZERS AND PLUNGER PUMPS SINCE 1974

Model HA/PA53



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/PA53355	355	CAPACITY l/h	50.000	50.000	41.000	25.000	16.000	7.000	5.000	4.500

*Values referring to machines with fixed capacity

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

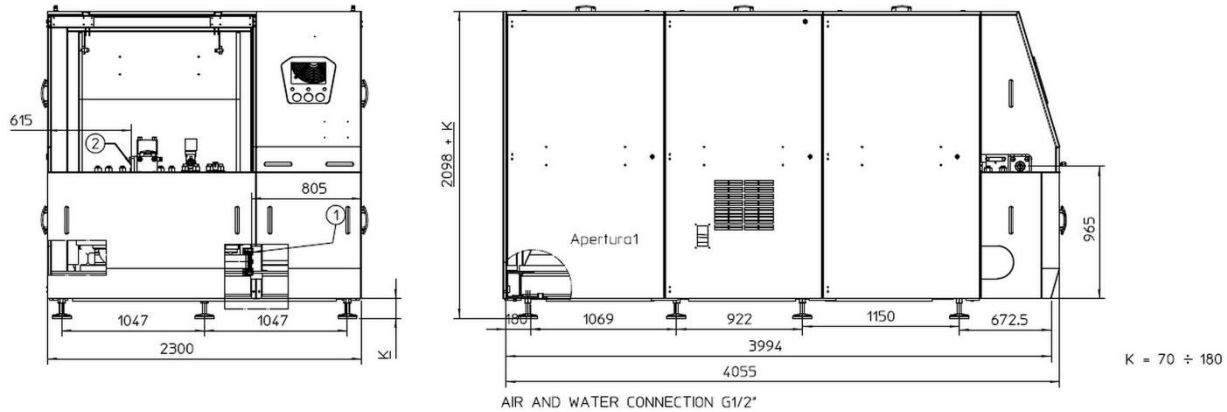
TECHNICAL DATA

Plunger number	5
Stroke (mm)	120
Weight (Kg)	12.000
Water consumption (l/h)	330
Lubrication oil quantity (kg)	60
Connection product inlet/outlet	Socket welding Øi101.6 / Øo70



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 plunger chrome coated
- 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
- Digital pressure transmitter with ceramic membrane
- Double stage transmission system with fixed gear reducer
- Pulleys and belts and main motor on slides
- Forced lubrication system with pressure switch
- Cast iron crankcase
- Terminal box and control panel for local/remote control
- Vibration and temperature monitoring and alarm

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"> • Sterile water generator by means of condensed steam generator • Patent pending sterile water generator by means of microfiltration 	<ul style="list-style-type: none"> • Tungsten carbide coating • Integral ceramics
3A design <ul style="list-style-type: none"> • Low roughness and electropolished wettables • Certification manual for cGMP 	Electric board <ul style="list-style-type: none"> • Stainless steel power board for fixed or variable capacity • Automatic pressure control (PID) by means of PLC
Homogenizing valve with different geometries depending on the type of product <ul style="list-style-type: none"> • Tungsten carbide • Ceramics 	Inlet and outlet connections <ul style="list-style-type: none"> • DIN 11851 • Tri Clamp • SMS
High-efficiency patented homogenizing valve "Margherita"	Explosion proof design
Ball type valve groups	Sound proof design
	EHEDG compliant design

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

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