



MODEL
Homogenizer
Atomo 3.0

Compact tabletop three plungers lab homogenizer for reliable scale up, from lab test to production.
Suitable for abrasive and viscous products.

MODEL	MAX. POWER	PRESSURE bar										CAPACITY l/h
		kW	100	180	200	250	300	400	600	1.000	1.200	
ATOMO 3.0	4	650	650	600	500	400	200	200	100	100	30	

*Values referring to machines with fixed capacity

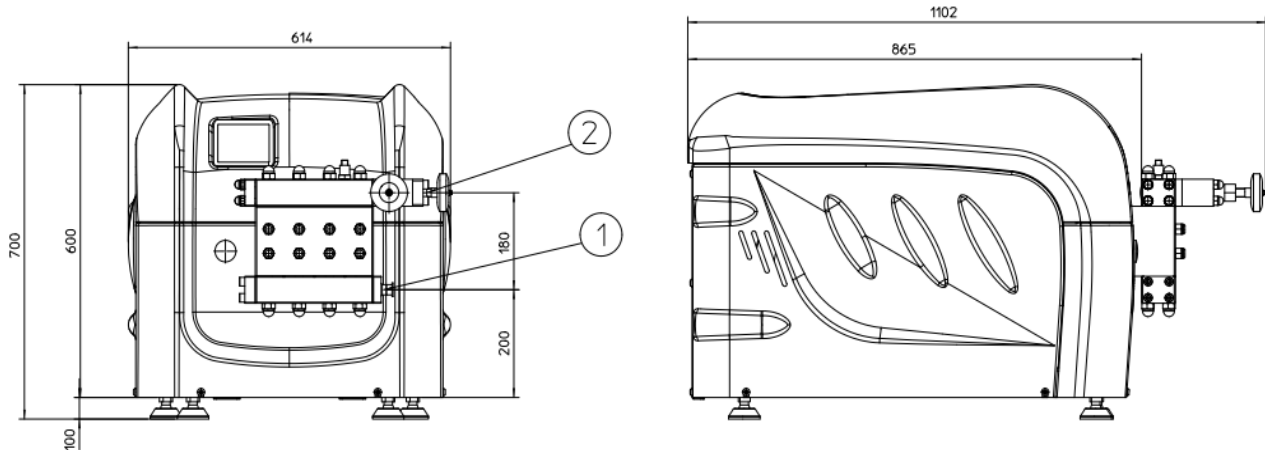
**Values referring to products with a max viscosity of 500Cp and feeding pump

TECHNICAL DATA

Plunger number	3
Stroke (mm)	26
Weight (Kg)	180
Water consumption (l/h)	30
Lubrication oil quantity (kg)	2
Connection product inlet/outlet	Tri-Clamp 3/4"
Max. installed power (kW)	4

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





1: Inlet product
2: Outlet product

FEATURES

Three plungers tabletop homogenizer

Liquid End: mono-block compression head made from Duplex SAF2205 up to 600 bar, and Super Duplex SAF2507 up to 1.500 bar, 3 Tungsten Carbide plungers, Ultra-High Density plunger seals for very high pressure

Reversible Tungsten Carbide seats and Stellite™ ball valves

Double stage Homogenizing group:

- Manual adjustment of the pressure by handwheel
- Tungsten Carbide Homogenizing valves

Drive Unit:

- Splash lubrication system
- Die cast aluminium crankcase
- Nitridized crankshaft
- Direct transmission system

Micro PLC control panel, prearranged for remote control, including electrical power board inside of the machine

Standard 0.8 litre feeding hopper for 1.500 bar version

MAIN OPTIONS

Homogenizing group:

- Pneumatic adjustment of the pressure, pneumatic actuator with oil-air dampening system

Solvent resistant configuration installing special seals

Skid Version with feeding system and temperature control

Aseptic execution

Homogenizing valves, plungers, ball valves made from Integral Ceramics

Design suitable with: 3A, EHEDG or PHARMA

- Low roughness and electropolished wetted parts
- Certification manual for cGMP

Sound-proof design

Vibration and temperature monitoring and alarm

- Sterile water generator by means of steam condenser
- Patent pending sterile water generator by means of Microfiltration

External power board cabinet for variable capacity

DIN 11851, SMS
High pressure outlet



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

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