



Michelangelo Series

High pressure homogenizers and piston pumps since 1974



The new laboratory homogenizer *"Mago"* is designed to process small batches of product and for the realization of little handicraft production.

It is particularly suitable for ice-cream shop.

MODEL TABLE*, MAXIMUM CAPACITY** AND PRESSURE

MODELS	POWER kW	PRESSURE bar	100	130	150	180	200	230	250	300	350	400
HA11003	3	CAPACITY l/h	50	50	50	50	50	50	50	50	50	50
HA11003	3		100	100	100	100	100	100	100	100	100	100
HA11003	3		150	150	150	150	150	150	150	150	150	150

TECHNICAL DATA

Piston Number	1
Stroke (mm)	42
Weight (kg)	180
Water consumption (l/h)	30
Lubrication oil quantity (kg)	2
Product Inlet/Discharge connection	ConnectionDin.11851DN15

Structural design according to MACHINE DIRECTIVES 2006/42/CE and in compliance with the European standards:

- UNI ISO 14121:2006 Principle of the risk evaluation
- UNI EN ISO12100-1/2:2005 Machine safety

Design, construction, testing and assistance according to the Quality System ISO 9001:2008 (Certificate N°:209121)

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

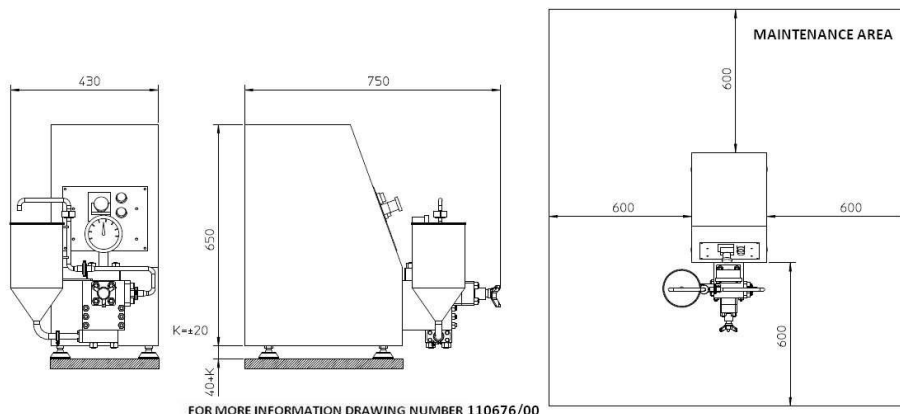
**Values referring to machines with fixed capacity

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FOR MORE INFORMATION DRAWING NUMBER 110676/00

FEATURES

Duplex (SAF2205) monobloc stainless steel compression head of high mechanical and corrosion resistance

Pumping piston in special steel of high mechanical resistance, heat-treated and chromed at thickness

Pumping group with poppet valves in stellite™

Single stage homogenizing group with manual regulation and homogenizing valves in stellite™

Direct drive system

Asynchronous Electric motor IE2 class, 230/ 400V.50Hz
460V.60Hz 4 poles (kW see above table)

Control Panel placed on the electric table

Splash lubrication system

Tank of 5 lt

Connections and pipes

OPTIONS ON DEMAND

Homogenizing group

- Double stage
- Pneumatic pressure regulation

Pumping pistons

- Tungsten carbide coating
- Integral ceramics

Ball type valve group

Valve seats in tungsten carbide or Stellite™

Homogenizing valve with different geometries depending on the type of product

- Tungsten carbide
- Ceramics

High-efficiency patented valve "Margherita"

- Stellite™
- Tungsten carbide

Electric board

- Power board for fixed capacity placed inside or outside of the machine
- Power board for variable capacity placed inside or outside of the machine

Inlet and outlet connections

- DIN 11851
- Tri Clamp
- SMS

Internal lining with deadening material

3A Version

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