

# Raffaello Series

HIGH PRESSURE HOMOGENIZERS AND PLUNGER PUMPS SINCE 1974

## Model HA/PA34



### The new Raffaello 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.

**Powered by Interpump Group Spa** with gear reducer integrated in the crankcase with splash lubrication. Validated by thousands of applications all around the world.

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

MODELS	POWER kW	PRESSURE bar	100	150	200	250	400	600
HA/PA34	90	CAPACITY l/h	18.000	17.800	13.600	10.000	6.800	4.400

\*Values referring to machines with fixed capacity

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

#### TECHNICAL DATA

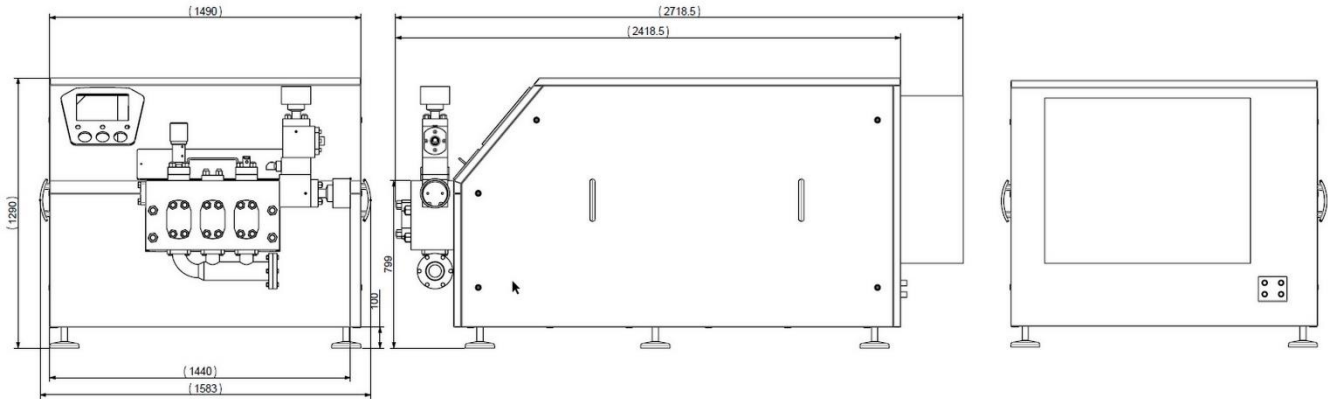
Plunger number	3
Stroke (mm)	107
Weight (Kg)	2.600
Water consumption (l/h)	200
Lubrication oil quantity (kg)	30
Connection product inlet/outlet	Socket weld flange $\varnothing e90 \varnothing i85 / \varnothing e40 \varnothing i35$



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



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### FEATURES

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

Direct transmission system with gear reducer integrated in the cast iron crankcase, cross slide on the motor and trapezoidal belts

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

Splash lubrication system

Terminal box and control panel for local/remote control

Removable panel for easy maintenance

### OPTIONS

Second stage homogenizing group

Super duplex (SAF2507) Multiblock compression head

Aseptic execution

- Sterile water generator by means of condensed steam generator
- Patent pending sterile water generator by means of microfiltration

3A, EHEDG or PHARMA design

- Low roughness and electropolished wettables
- Certification manual for cGMP

Standard or sharp Homogenizing valve with different geometries depending on the type of product

- Tungsten carbide
- Ceramics
- High-efficiency patented homogenizing valve "Margherita"

Ball valves, ceramic balls

Tungsten carbide valve seats

Pumping plungers

- Chrome carbide coating
- Integral ceramics

Electric board

- Power board for fixed and variable capacity
- Automatic pressure control (PID) by means of PLC

Inlet and outlet connections

- DIN 11851, Tri clamp, SMS
- High pressure outlet
- Option upon request

Explosion proof design

Sound proof design

Vibration and temperature monitoring and alarm

