



## HOMOLAB2.20 (1.800 bar) HOMOLAB2.50 (600 bar)

HIGH PRESSURE HOMOGENIZERS & PLUNGER PUMPS

### Homolab2.20

- 20 l/h (50 Hz), 24 l/h (60 Hz)
- Double homogenizing stage
- 1<sup>st</sup> stage adjustable up to 1.800 bar (180 Mpa)
- 2<sup>nd</sup> stage adjustable up to 150 bar (15 Mpa)
- No. 2 plungers

### Homolab2.50

- 50 l/h (50 Hz), 58 l/h (60 Hz)
- Double homogenizing stage
- 1<sup>st</sup> stage adjustable up to 600 bar (60 Mpa)
- 2<sup>nd</sup> stage adjustable up to 150 bar (15 Mpa)
- No. 2 plungers

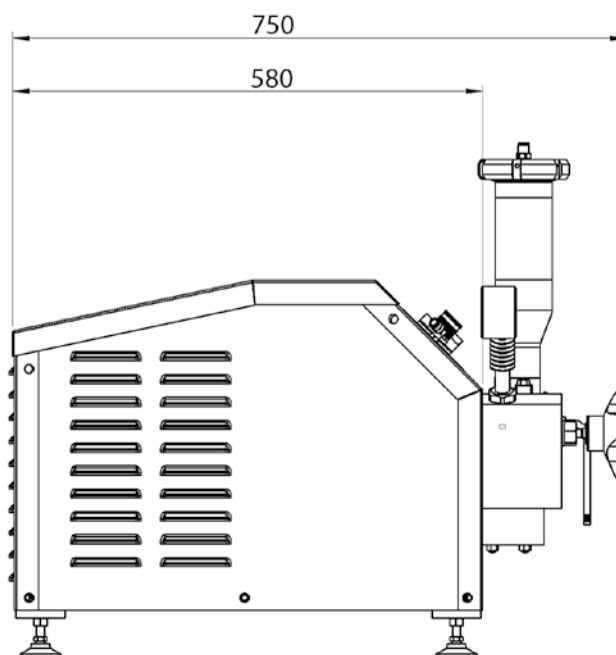
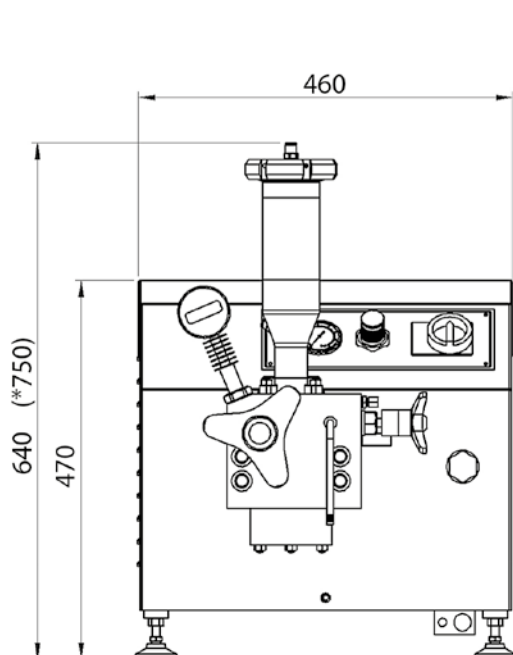


### COMPRESSION HEAD AND HOMOGENIZING VALVES

- Compression head manufactured from a single block of high quality stainless steel (duplex 2205 or equivalent).
- Suction and discharge valves (ball type) in zirconium oxide.
- Replaceable valve seats in food-grade tungsten carbide.
- Safety valve of spring type.
- Pressure gauge of digital type.
- Pressurizable stainless steel hopper, complete with connection for compressed air inlet, suitable to treat products with viscosity up to 2.000cPs.
- Homogenizing valves made of food grade tungsten carbide.
- 2<sup>nd</sup> Homogenizing stage, suitable to work with pressure up to 150 bar (15 MPa).

### PUMP BODY, TRANSMISSION AND STRUCTURE

- Pump body made of a premium grade high-resistance cast iron.
- Crankshaft machined from a solid piece, nitrited and checked using ultrasounds.
- Oil splash type lubrication, in oil bath mechanical organs.
- Frame constructed from a square-section stainless steel pipe, provided with dismantable stainless steel panels with satin finish.
- Electrical motors of leading Companies in alternate current.
- Control panel with operation and check buttons.
- Electrical plant projected on respect of IEC standards, positioned onto the machine, with direct start.



(\* Hopper capacity 1,6 l)

**Homolab2.20** and **Homolab2.50** homogenizers are laboratory homogenizers with an easy installation (no need of water for pistons cooling) and use (manual adjustment of homogenizing pressure via hand wheels). Decision to equip these homogenizers with No. 2 plungers is very important to grant valid results as the ones that can be obtained with bigger machines used in an industrial process.

Machine complete with double homogenizing stage type and pressurizable hopper (with 0.8 or 1.6 liters capacity); only option hopper with hot water jacket (hot water to be supplied on site).

## FEATURES AND PERFORMANCE

Model	<b>Homolab2.20</b> (1.800 bar)	<b>Homolab2.50</b> (600 bar)
Capacity (50/60 Hz)	20/24 l/h	50/60 l/h
Max. Pressure (1st/2nd stage)	1.800/150 bar	600/150 bar
Max. size of particles	≤ 0,2 mm	≤ 0,4 mm
Hopper capacity	0,8/1,6 l	0,8/1,6 l
Electric motor	1,5 kW, 6P., 3F.	1,5 kW, 6P., 3F.
Net weight	110 kg	115 kg

Technical specifications can vary and are subject to change without notice