

KAW510+

HOT AND COLD WATER GENERATOR FOR HYDRAULIC TEST BENCHES



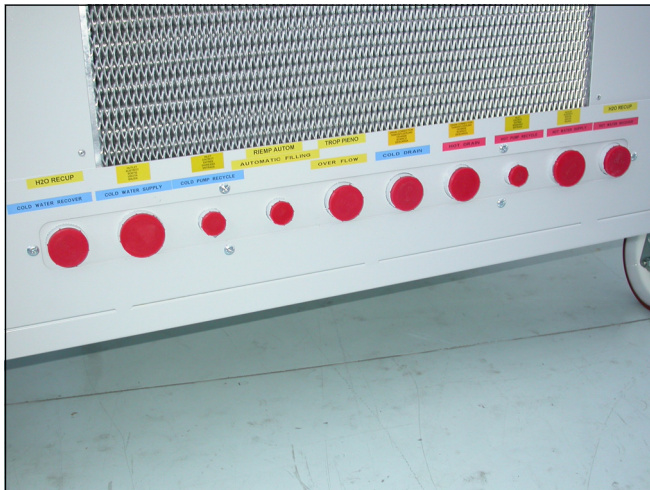
Applications:

The device KAW510+ allows the user to constantly feed with hot and cold water the hydraulic test benches both for laboratory use and for production lines



KAW510+

HOT AND COLD WATER GENERATOR FOR HYDRAULIC TEST BENCHES



Applications

KAW510+ allows the user to constantly feed with hot and cold water the hydraulic test benches both for laboratory use and for production line.

It is made up of two independent plants used to produce and store hot and cold water (possibility of recovering return mixed water).

The refrigeration circuit uses a silenced airtight compressor, a forced air condenser, a tank external heat exchanger, an air-mixing pump and an expansion device with thermostatic valve + by-pass on hot gas.

The heating circuit uses two groups of armoured resistances and an air-mixing pump.

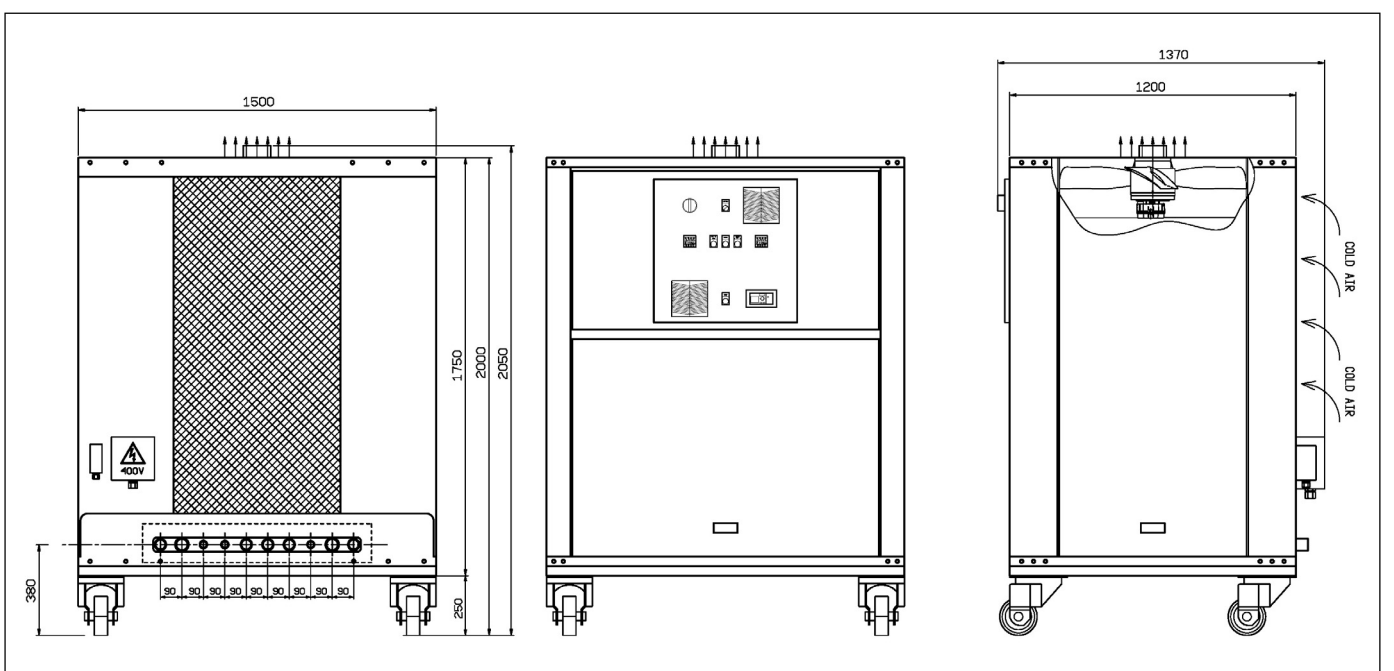
The group works with closed circuit. The test water is recovered and put again in the tanks where it is heated and cooled again at the temperatures needed for the test.



Advantages in comparison to a traditional fixed plant

- **Total recovery of water used for the test:** consumption is limited to the first filling and topping up needed to compensate losses due to evaporation.
- **High energy saving** when KAW510+ is connected to a test bench equipped with the our water recovery device (**BPR-OPZ-HCR**). Water coming from the bench is separately conveyed to the tanks inside KAW510+ according to the temperature measured on the outlet of the device under test.
- **Constancy of water supply temperature with consequent repeatability and accuracy in testing** (in optimal conditions –that is in continuous service- stability is higher than ± 1 °C).
- **High flexibility of use:** possibility of changing the working temperature both rising and decreasing quickly with gradients greater than 1 °C/min.
- **Reduced starting transitory time:** the plant is operating in one hour with a water starting temperature of 25 °C.
- **Constant monitoring of internal tank temperatures.**
- **Quick installation** with no need for masonry works, gas feeding and fume discharge. The external hydraulic plant needs to be connected to the water mains in order to fill the tanks and to the discharge collector to drain the tanks.
- **Autonomous installation:** it is possible to put it at a distance of 10 m from the test bench.
- **Easy to move:** it has got rotating wheels with emergency brake.

KAW510+	
Electric power:	34 kW
Power supply:	400 V - 50 Hz
Total absorption:	56 A
Cooling power:	22 kW
Cooling fluid:	R407C
Heating power:	24 kW (12 + 12 kW)
Tanks capacity:	300 + 300 L
Adjustment range:	Hot water: 40÷95 °C Cold water: 7÷25 °C
Stability:	± 1 °C
Maximum flow-rate:	20 L/min
Noise level:	75 dB
Axial fan flow-rate:	8000 m ³ /h
Ambient temperature:	5÷35 °C
Size (mm):	1500 x 1200 x (h) 2050
Weight (empty):	~ 600 kg



GIUSSANI S.r.l.

Via dei Crederi, 411
24045 Fara Gera d'Adda (BG) - Italy
Tel.: 0363/399019 - Fax.: 0363/398725
www.giussanionline.it
E-mail: info@giussanionline.it



CERTIFICATION:

All the instruments are supplied with final testing, stability and accuracy certification traceable to S.I.T. standards.