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AGILE, ROBUST,
SMART LAB SYSTEM.

SUSTAINABILITY AND RESILIENCE.

AL CYC PIPE THERMAL CYCLE TESTER

Alarge AL CYC Pipe Thermal Cycle Tester is designed to examine the long-term performance of plastic pipes under pressure. It is based on the principle of fluid permeation at 90 °C for 1 min and at 10 °C for 1 min under pressure. AL CYC Test System implements the experimental processes in accordance with the following standards.

STANDARDS

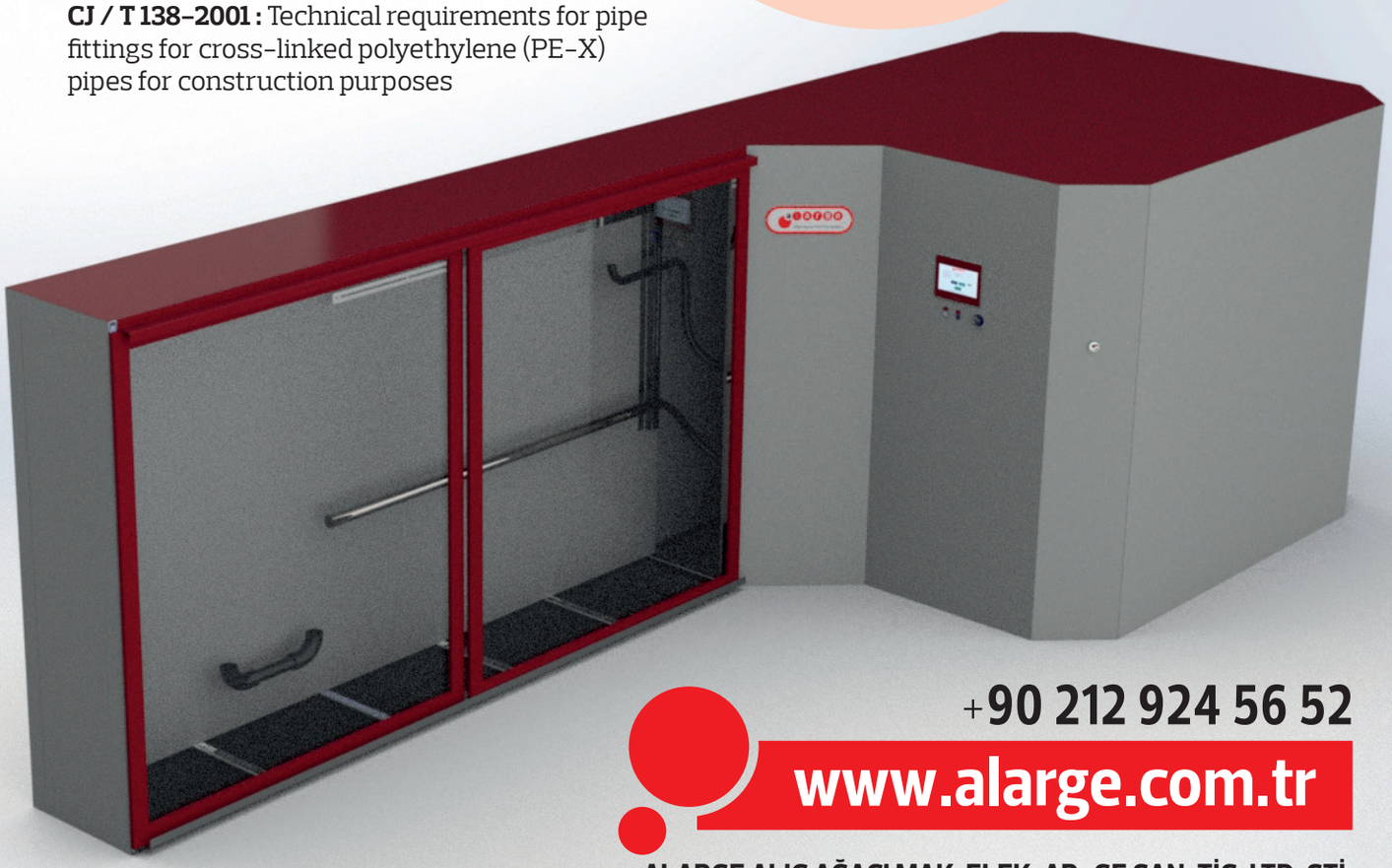
ISO 10508-1995 : Thermoplastics pipes and fittings for hot and cold water systems

GB / T 18998 : Industrial Chlorinated Polyvinyl Chloride (PVC-C) Piping System

GB / T 18993-2003 : Chlorinated Polyvinyl Chloride (PVC-C) Piping System for Hot and Cold Water

GB / T 18742-2002 : Polypropylene Piping System for Hot and Cold Water

CJ / T 138-2001 : Technical requirements for pipe fittings for cross-linked polyethylene (PE-X) pipes for construction purposes



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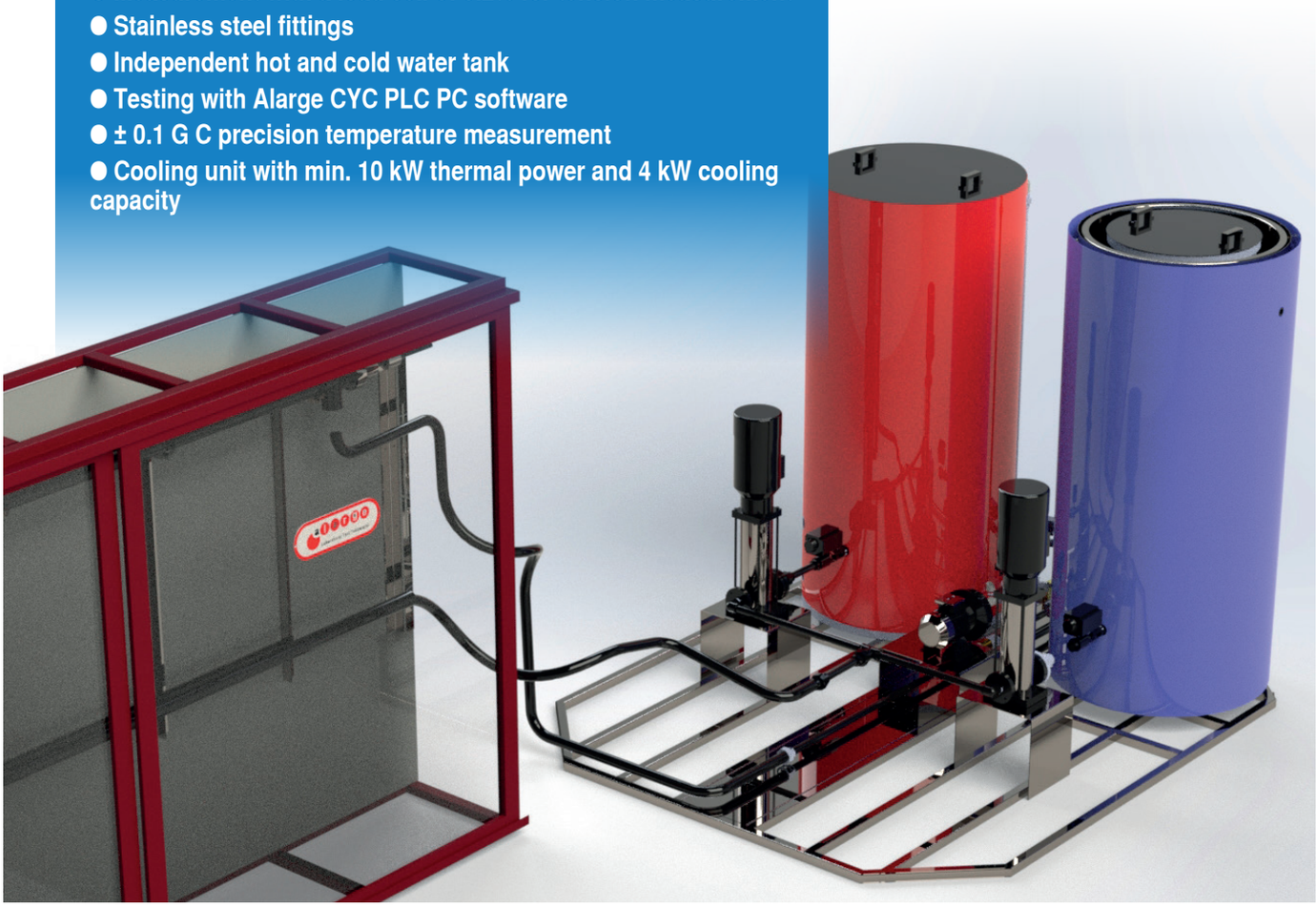
Fax: +90 212 278 61 33 **Mail:** info@alarge.com.tr

PROPERTIES OF THE SYSTEM

- Equipment for testing different pressure, temperature and number of cycles at the same time in more than one line
- Sufficient size cabin, stainless cold hot water pumping and cooling and heating system
- Measurement with a load cell of 0.2% for tension measurement
- Stainless steel fittings
- Independent hot and cold water tank
- Testing with Alarge CYC PLC PC software
- ± 0.1 G C precision temperature measurement
- Cooling unit with min. 10 kW thermal power and 4 kW cooling capacity



THERMAL CYCLE TESTER CHARACTERISTICS

- The flow in the system is provided in a short time by the pump drivers and the pressure sensor is accurate to 0.25%.
- Tank level switches and water passage system from two tanks. Automatic drainage and emergency stop.
- The software optimizes the structure to prevent water mixture during cold water and hot water test passes for the most economical operating cost.
- Pumps are fully stainless steel and special temperature resistive gaskets.
- The system door is electronically locked throughout the test.