Imperial College London

Pressure Vessel and Heat Provision for Espresso Machine

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Observations:

- kept rising to 130°C.

Main reasons for failure:

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Observation: No bubbles at the seals - Conclusion: proved to be leakproof

TEST 2 : STATIC HEATING AT ATMOSPHERIC PRESSURE

1. The water temperature did not rise to 90°C in 60s.

2. The water temperature did not stop rising after reaching 95°C but

1. The thermal inertia was underestimated.

2. The vessel might not be filled up with water, the temperature measured by the thermostatic switch is not the real temperature of water in vessel. 3. The thermostatic switch might have a delay before if cut off the circuit.