

Project Nr. : 02.02.219

Cert Nr.: I.16295/18

HYDRAULIC TEST CERTIFICATE

1. Customer: SOLE S.A.

2. Description of equipment:

HOT WATER STORAGE TANK VESSELS of THERMAL SOLAR SYSTEMS
EUROSTAR/HELIO THERMO ECO.

<p>MANUFACTURER :</p> <p>TYPE :</p> <p>DATE OF MANUFACTURE:</p> <p>SERIAL No. :</p>	<p>SOLE S.A. Lefktron & Laikon Agonon, Acharnai – 13671, Athens Greece.</p> <p>EUROSTAR/HELIO THERMO, ECO ECO300, ECO200, ECO150, ECO125, ECO100, ECO 80.</p> <p>See below.</p> <p>Tank vessels: ECO 300 / EC3001 802 2005 / 08.12.2017 ECO 200 / EC2001 802 2032 / 15.12.2017 ECO 150 / EC1501 802 2050/ 24.01.2018 ECO 125 / EC1251 802 2015/ 08.01.2018 ECO 100 / EC1001 802 2001 / 22.12.2017 ECO 80 / EC801 802 2001/ 15.01.2018</p>
<p>DRAWING No. :</p>	<p>a. Eurostar 300 AK – Inner Tank AK-300 / 26.06.2013 b. Eurostar 200 AK – Inner Tank AK-200 / 03.07.2013 c. Eurostar 150 AK – Inner Tank AK-150 / 03.07.2013 d. Eurostar 125 AK – Inner Tank AK-125 / 03.07.2013 e. Eurostar 100 AK – Inner Tank AK-100 / 03.07.2013 f. Eurostar 80 AK – Inner Tank AK-80 / 03.07.2013</p>
<p>DESIGN PRESSURE / MAX. WORKING PRESSURE :</p> <p>TEST PRESSURE. :</p> <p>OUTSIDE DIAMETER. :</p> <p>WALL THICKNESS :</p> <p>CAPACITY :</p>	<p>1000 Kpa, as per manufacturer's declaration (Open circuit)</p> <p>2000 Kpa g (20.0 barg)</p> <p>See below</p> <p>2mm / 2.5mm (caps)</p> <p>80, 100, 125, 150, 200, 300 Ltrs</p>

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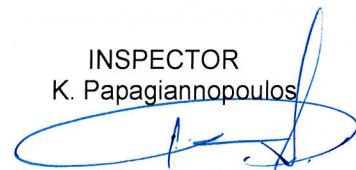
3. Pressure Test Data :

MAX WORKING PRESSURE :	1000 Kpa – Open circuit (Tank vessel)
TEST PRESSURE :	2000 Kpa g (20 barg)
TEST DURATION :	30 mins (min.)
TEST MEDIUM :	Water

4. Date of Hydraulic Test : **13.02.2018, 18.04.2018**
5. Inspector : **Konstantinos Papagiannopoulos**
6. Place of Inspection : **Athens, Greece**
7. Other Inspections : -
8. Remarks : Manometer WIKA 213.53 – DL7244
Calibration Cert. DEKA S.A. No. P-34-17
9. Results : **ACCEPTABLE** (No deformations or leakages were detected)

PLACE / DATE
Athens 28.04.2018

INSPECTOR
K. Papagiannopoulos



SIGNATURE

This certificate is issued after equipment examination and found in acceptable condition, according to the requirements and indicates the findings of the inspection at the certain location and time. Does not constitute garranty at any significance. Partial or total reproduction is not permitted



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