

## TOWERS & REACTORS FOR TAME UNIT

**Client / End User :** Hellenic Petroleum S.A. \_ Aspropyrgos Refinery  
**Year :** 2003

### Work Description :

Engineering, material procurement, fabrication, sandblasting-painting and delivery to Aspropyrgos site of the following 6 towers and 2 reactors. Also, erection of tower N-4901.

#### Items :

N-4901	–	CD_Hydro Column
N-4902	–	Water Wash Column
N-4903	–	TAME Column
N-4904	–	CD-TAME Column
N-4905	–	Methanol Extraction Column
N-4906	–	Methanol Recovery Column
K-4901	–	Primary Reactor
K-4902	–	Secondary Reactor

### Reactors' Technical Data :

Item :	K-4901 Primary Reactor	K-4902 Secondary Reactor
<b>Position :</b>	Vertical	Vertical
<b>TL - TL (m):</b>	9,3	9,3
<b>Internal Diameter (m) :</b>	3,2	3,2
<b>Weight (tns) :</b>	53,5	53,5
<b>Capacity (m<sup>3</sup>) :</b>	85	85
<b>Design Code :</b>	ASME VIII Div. 1 (Ed.2001) – A/F Stds	
<b>Design Pressure (bar g) :</b>	18 + F.V.	18 + F.V.
<b>Design Temperature (°C) :</b>	240°c	240°C
<b>Hydrostatic Pressure (bar g) :</b>	24,3	24,3
<b>Shell Material :</b>	ASTM A516 Gr 70_30mm	ASTM A516 Gr 70_30mm
<b>Third Party Inspection :</b>	Moody Tottrup	