

'SUPPLY OF TOWERS T-1401, T-150, T-411'

Client / End User : Hellenic Petroleum S.A. (Thessaloniki Refinery)

Year : 2010

Work Description :
Design, fabrication, inspection of three towers.

Item :	T-1401 _ Stabilizer Tower
Content :	Hydrocarbon
Position :	Vertical
TL - TL (m):	25,02
Internal Diameter (m) :	2,2 / 1,8
Weight (tns) :	60
Capacity (m³) :	120
Design Code :	ASME VIII Div. 1, PED 97/23/EC
Design Pressure (bar g) :	21,7
Design Temperature (°C) :	-23° / 296°C
Shell Material :	SA 516 Gr 70N _ 34÷21mm
Third Party Inspection :	MIRTEC



'SUPPLY OF TOWERS T-1401, T-150, T-411'

Item :	T-411 _ Powerformate Debutanizer
Content :	Naphtha + LPG (+H ₂ S)
Position :	Vertical
TL - TL (m):	21,2
Internal Diameter (m) :	2,25
Weight (tns) :	30
Capacity (m³) :	79
Design Code :	ASME VIII Div. 1, PED 97/23/EC
Design Pressure (bar g) :	11,6
Design Temperature (°C) :	-7° / 227° C
Shell Material :	A 516 Gr 70N – 15mm
Third Party Inspection :	MIRTEC



'SUPPLY OF TOWERS T-1401, T-150, T-411'

Item :	T-150 _ Outboard Flash Tower
Content :	Hydrocarbon
Position :	Vertical
TL - TL (m):	21,85
Internal Diameter (m) :	3,1 / 1,7
Weight (tns) :	65
Capacity (m³) :	124,3
Design Code :	ASME VIII Div. 1 / PED 97/23/EC
Design Pressure (bar g) :	9,2 / F.V.
Design Temperature (°C) :	-7° / 399° C
Shell Material :	SA 516 Gr 70N + Clad Tp 316 _ (25+3) / (22+3) / (20+3) / (17+3) mm
Third Party Inspection :	MIRTEC

