

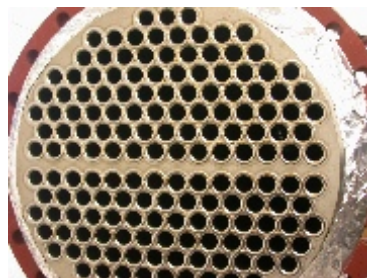
Heat Exchangers



Messrs Ineos Phenol
Material= 1.4571
 $\text{\O} = 2.100 / L = 4.630 / \text{kg} = 21.100$



Messrs BASF
Material= 1.4571
 $\text{\O} = 1.720 \times 45 / L = 9.238 / \text{kg} = 46.500$

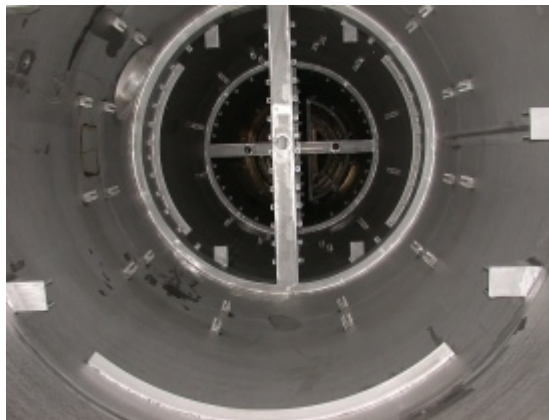


Messrs BASF
HE pipes Titanium III (3.7035)
Shell 1.4541
 $\text{\O} = 550 / L = 3.900 / \text{kg} = 1.100$

Columns and Stacks



Messrs Tecnimont
Material= P355NH
 $\text{\O} = 3.000 / L = 17.080 / \text{kg} = 24.000$



Messrs BASF
Rectification column
Material= 1.4571
 $\text{\O} = 2.430 \times 15 / L = 35.980 / \text{kg} = 45.300$

Vessels



Messrs Tecnimont
Distillation vessel w/ halfpipe $\text{\O} 60,3 \times 3$
Material= P355NH
 $\text{\O} = 4.000 / L = 8.880 / \text{kg} = 32.900$



Messrs Bayer
Halfpipe $\text{\O} 60,3 \times 3$
Material= 1.4571
 $\text{\O} = 1.400 / L = 3.200 / \text{kg} = 1.300$