

**POS. 1      CCT'S AND ACCESSORIES**

**POS. 1.1      44 CYLINDROCONICAL TANKS**

Total volume:                      **1025 bbl**  
 Working volume:                      750 bbl  
 Max. working over pressure:      0,9 bar (15 PSI)  
 Conical angle:                         70 °

**Vessel:**

Material:                                stainless steel 1.4301 (304)  
 Side wall strength:                      According to AD-paper  
 Top strength:                            According to AD-paper  
 Cone strength:                            According to AD-paper

**Finish:**

Inner welds:                              Grinded  
 Outer welds:                              acid treated  
 Surface treatment inside:                IIIc  
 Surface treatment outside:               IIIc

**Vessel support:**                      tanks on 4 ea. Stainless steel legs with floor plates

**Cooling:**

Coolant:                                   Glycol  
 Coolant temperature:                      -3°C  
 Cooling section cone:                      1  
 Cone cooling surface:                        12 m<sup>2</sup>  
 Side wall cooling sections:                      3  
 Side wall cooling surface:                      48 m<sup>2</sup>

**Vessel insulation:**

Insulation material: PERLITE  
 Insulation strength: 100 mm

**Sheeting/clad:**

Top:

Material: stainless steel 1.4301 (304)  
 Strength: 2 mm  
 Fixing: fully welded

Cone:

Material: stainless steel 1.4301 (304)  
 Strength: 2 mm  
 Fixing: fully welded

Side wall:

Material: stainless steel 1.4301 (304)  
 Strength: 2 mm  
 Fixing: fully welded

**Tank dimensions:**

Inside diameter: 3900 mm (12' - 9 5/10")  
 Outside diameter: 4100 mm (13' - 5 4/10")  
 Shell height: **9000 mm (29' - 6 3/10")**  
 Cone outlet height: 1000 mm (3' - 3 4/10")  
 Total height: 13600 mm (41' - 0 1/10") plus platform & fittings

**POS. 1.2      44 TANK FITTINGS**

Consisting of:

1 tank top system:	1 vacuum valve DN 200
	1 pneumatic vacuum valve lift
	1 over pressure valve 50
	1 CIP valve combination DN 65
	1 pneumatic CIP valve Bürkert 2000
	1 CIP rotary head sani magnum
	1 Halogen light fitting DN 150, 50 W 24 Volt
	1 pressure transmitter port

Other tank fittings:

Temperature sensors:	2 ea. type PT 100
Pneumatic glycol valves:	3 ea. Type 2000, DN 50
CIP-supply pipe:	1 ea. DN 50
Sampling valve port:	1 ea. DN 20 TC (valve by Lagunitas)
Pressure transmitter:	2 ea. Deltapilot FMB-50
Dry-Hopping pipe:	1 pipe DN 80 to top of the tank

**POS. 1.3      44 SPECIAL TANK OUTLET SYSTEMS**

Special tank outlet system, consisting of:

Tank connection:	Nut DN 100
Standpipe system:	4"
Upper tank outlet:	Tri clamp 2 ½"
Upper outlet valve:	butterfly valve 2 ½"
Lower tank outlet:	Tri clamp 2 ½"
Lower outlet valve:	butterfly valve 2 ½"

**POS. 1.4**     **CAT WALK FOR TANKS**

**Connecting platform**

The platform will be placed / laid onto support struts on the tank top.

Total platform length:	according to the layout
Overall platform width:	according to the layout
Platform material:	Stainless steel

**Access ladder**

Total height:	approx. 13.500 mm
Material:	aluminium

**POS. 2**     **AUTOMATION OF 44 CCT**

Expansion of pilot valve cabinet and junction box(es) to accommodate 44  
Ea. CCT.