| LINDE T18–V200 LITS3 (PRIMARY VESSEL) | |
|---|---|
| LIQUID | OXYGEN |
| DIAMETER | 2.40m |
| HEIGHT | 8.40m |
| WEIGHT [EMPTY] | 8,416kg |
| WEIGHT [FULL] | 30,461kg [$O_2$] |
| SUPPORT DETAILS | 3–FEET/LEGS [2.546m P.C.D] |
| FOOT PLATE SIZE | 310 mm x 280 mm |
| BOLTING DOWN DETAILS | CATEGORY [T.B.C] [REF CIVILS TECHNICAL DATA SHEET] |
| PLINTH CATEGORY | CATEGORY 'T.B.C' [T.B.C] [REF CIVILS TECHNICAL DATA SHEET] |

**WARNING – OXYGEN**
**USE NO OIL OR GREASE DURING OR AFTER ASSEMBLY**

| LINDE T18–V100 LITS3 (BACK UP VESSEL) | |
|---|---|
| LIQUID | OXYGEN |
| DIAMETER | 2.00m |
| HEIGHT | 6.69m |
| WEIGHT [EMPTY] | 4,851kg |
| WEIGHT [FULL] | 15,603kg [$O_2$] |
| SUPPORT DETAILS | 3–FEET/LEGS [2.15m P.C.D] |
| FOOT PLATE SIZE | 235 mm x 230 mm |
| BOLTING DOWN DETAILS | CATEGORY [T.B.C] [REF CIVILS TECHNICAL DATA SHEET] |
| PLINTH CATEGORY | CATEGORY 'T.B.C' [T.B.C] [REF CIVILS TECHNICAL DATA SHEET] |
| SEMI–TRAILER 32000 | |
| LIQUID | OXYGEN/NITROGEN/ARGON/CARBON DIOXIDE |
| CAPACITY | 32,000 Litres |
| LENGTH x WIDTH | 15.9m x 2.5m |
| HEIGHT | 4.0m |
| WEIGHT [EMPTY] | 19,150kg [inc. TRACTOR ERF 6 x 2] |
| WEIGHT [FULL] | 44,000kg [MAX. VEHICLE RATING] |
| TURNING CIRCLE | WITHIN CONCENTRIC CIRCLES WITH RADII OF 5.3m AND 12.5m. (ALTHOUGH CAN SCRUB ROUND WITHIN OWN LENGTH IF REQUIRED) |

CUSTOMER TO PROVIDE A 2.5 M HEIGHT IMPERVIOUS BRICK/BLOCK WALL TO MEET SAFETY DISTANCE REQUIREMENTS OF BCGA CP36

C11 MEDICAL PANEL
REQUIRES ALARM WIRING FROM THE MAIN AND BACK UP VESSELS LEVEL GAUGES BY CUSTOMER

MEDICAL PANEL OUTLET
CUSTOMER TO SUPPLY 28MM MED VALVE WITH NIST PORTS EACH SIDE FOR BOC TO CONNECT TO.

NEW CONCRETE PLINTH 14.6 M X 5.5 M X 300 MM DEPTH CAT C WITH 12 BAR 150 MM ON CENTERS TOP AND BOTTOM MINIMUM SOIL BEARING IS 75kN/m2 TO BE REVIEWED BY A QUALIFIED ENGINEER

MEDICAL PANEL INLET

1.8 M PALISADE SECURE FENCING BY THE CUSTOMER

TRAFFIC PROTECTION BARRIERS HEAVY BOLLARDS OR ARMCO

SINGLE ACCESS GATE WITH PADLOCK

AUTO TIMED CHANGEOVER REQUIRES 240 V 1 PH 4A ESSENTIAL POWER BY CUSTOMER

200M3/HR VAPORISER SKID

EMERGENCY EXIT GATE WITH PUSH BAR EXIT AS REQUIRED IN BCGA CP36

LOCAL REMOTE ALARM PANEL BY CUSTOMER

100 M3/HR VAPORISER SKID

T18 - V200

T18 - V100

19305464

TRAFFIC PROTECTION BARRIERS HEAVY BOLLARDS OR ARMCO

DELIVERY ACCESS DOUBLE GATES, MUST OPEN TO 180° TO BE LOCKABLE WITH A BOC COMBINATION PADLOCK

SEMI-TRAILER 32,000 LITRE

TRAFFIC PROTECTION BARRIERS HEAVY BOLLARDS OR ARMCO

NEW CONCRETE HARDSTANDING 11.5m X 4.5 M X MINIMUM 175MM DEPTH WITH A252 MESH REINFORCEMENT TOP AND BOTTOM

NOTES:
1). ALL WORK SHALL BE IN COMPLIANCE WITH HTM02 & THE BCGA CODE OF PRACTICE CP36
2). ALL CIVILS WORK IS BY THE CUSTOMER
3). ALL ELECTRICAL WORK IS BY THE CUSTOMER, INCLUDING ALARM WIRING.
4). C11 PANEL WIRING AS DRAWING 18592756.
5). LIQUID VESSEL CONTENTS ALARM REQUIRES ALARM WIRING TO C11 PANEL FROM BOTH VESSELS.
6). VAPORIZER TIMED CHANGEOVER REQUIRES 240V 4A 1 PH FUSED SUPPLY FROM ESSENTIAL POWER.
7). MEDICAL GAS PANEL REQUIRES 240v FUSED SUPPLY.
8). CUSTOMER MUST PROVIDE A CLEAN CONCRETE HARD STANDING FOR THE OXYGEN DELIVERY VEHICLE TO MAKE DELIVERIES FROM.
9). ADEQUATE LIGHTING SHALL BE PROVIDED BY THE CUSTOMER TO ALLOW NIGHT DELIVERY.
10). CONCRETE PLINTH TO BE FINISHED LEVEL AT THE VESSEL LOCATIONS BOTH WAYS TO ALLOW VESSEL BASE PLATES TO SIT LEVEL ON THE FOUNDATION.
11). CUSTOMER IS RESPONSIBLE FOR THE INSTALLATION OF EARTHING AND BONDING OF ALL SYSTEM PIPING WORK TO BS7671.
12). CUSTOMER IS RESPONSIBLE TO PROVIDE SECURE LOCKABLE FENCING AROUND THE COMPOUND. FENCING MUST BE A MINIMUM HEIGHT OF 1.8 METRES. BOC WILL PROVIDE A COMBINATION PADLOCK FOR THE GATES.
13). CUSTOMER MUST PROVIDE AN EMERGENCY EXIT GATE WITH PUSH BAR ON THE INSIDE OF THE COMPOUND.
14). CUSTOMER MUST PROVIDE A 2.5 METRE HEIGHT IMPERVIOUS BRICK/BLOCK WALL AT THE REAR OF THE COMPOUND TO MEET BCGA SAFETY SEPARATION DISTANCE TO THE PROPERTY LINE.
15). CUSTOMER MUST PROVIDE A WATER SUPPLY AND HOSE REEL WITHIN THE COMPOUND FOR DE–ICING OF EQUIPMENT (HOT WATER IS PREFERRED).

IF IN DOUBT ASK

BOC GASES
CUSTOMER ENGINEERING SERVICES.
BAWTRY ROAD, BRINSWORTH, ROTHERHAM S60 5NT. A MEMBER OF THE LINDE GROUP

Title: Bulk Oxygen System Layout
Customer: The Royal Free Hospital
Drn By: PH | Scale: 1:50 | Date: 13.04.20
Job No: 12201 | Drg No: 1 | Sht No: 1 OF 1 | Rev: 2

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CAD DRAWING – DO NOT REVISE MANUALLY
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