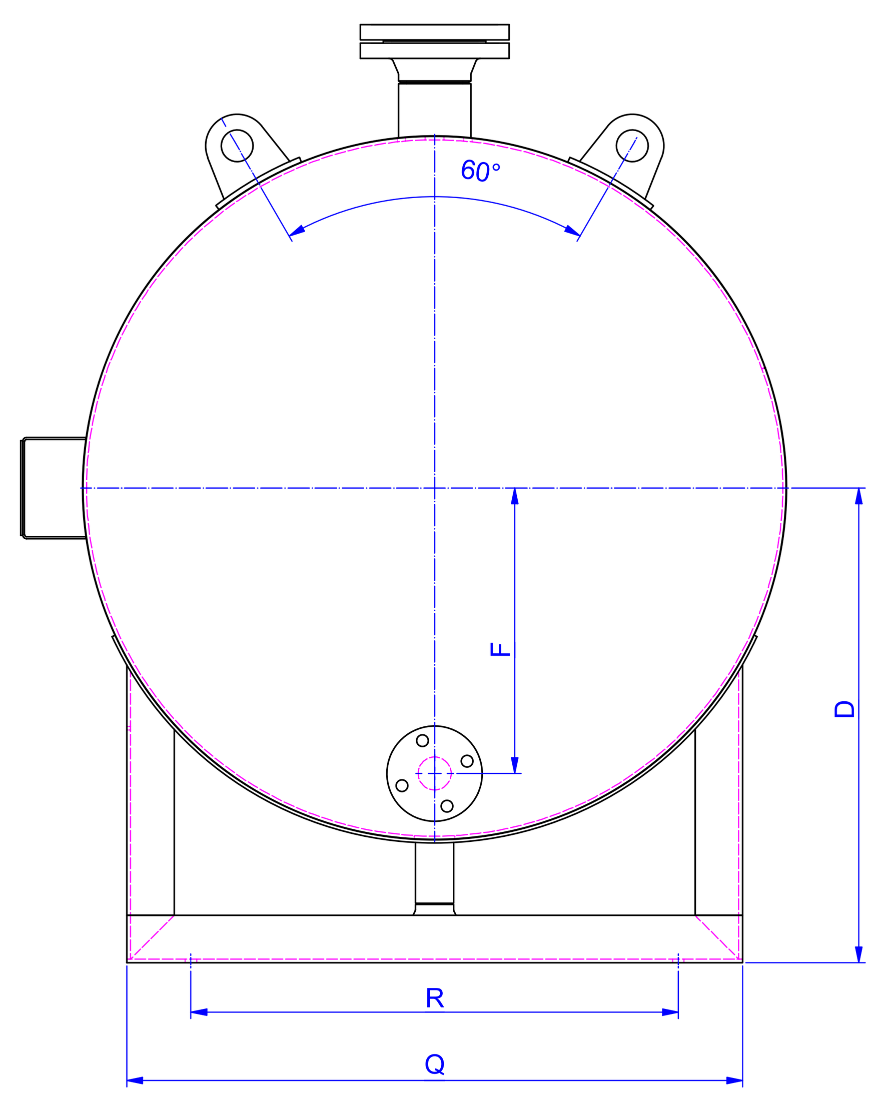
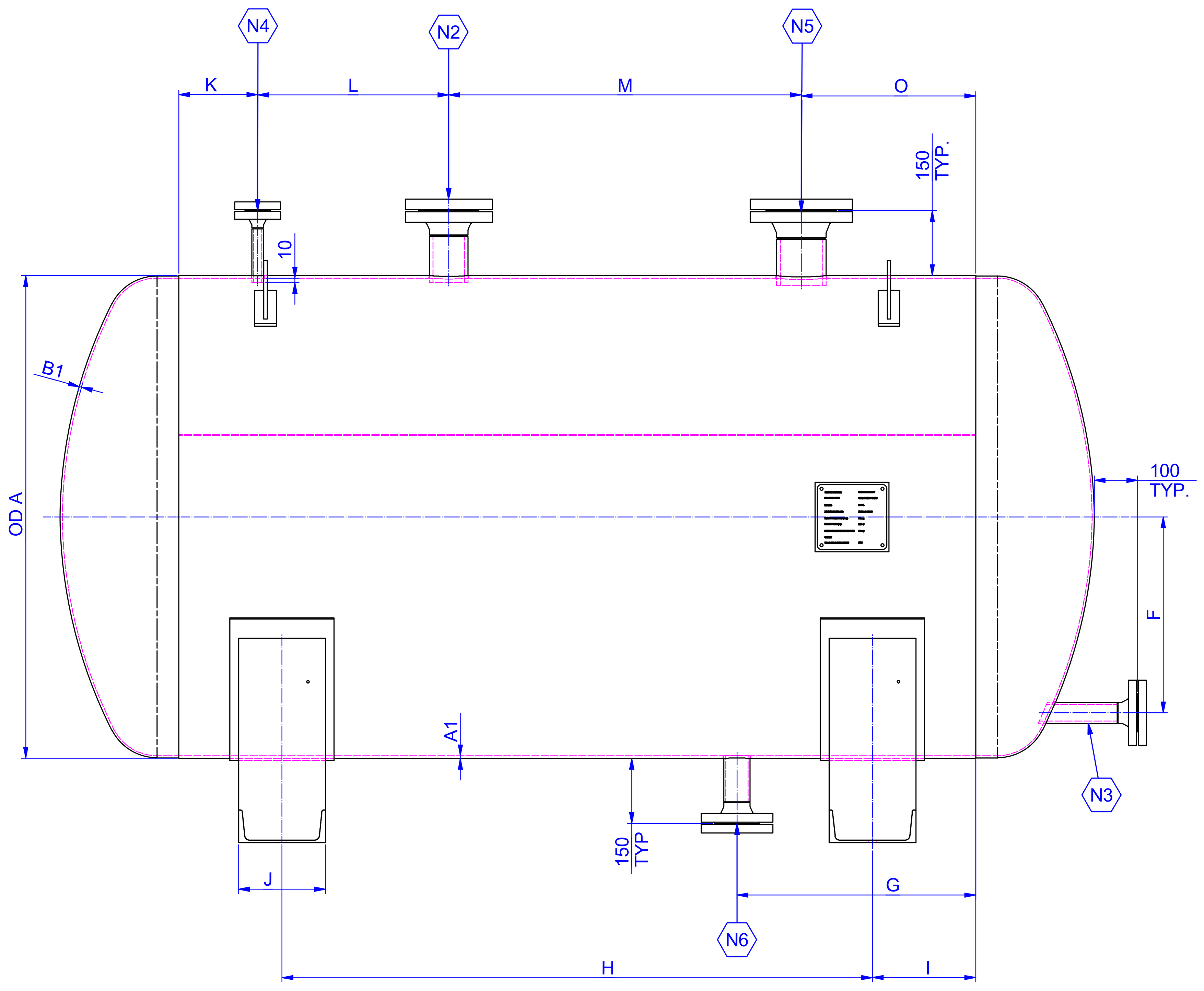
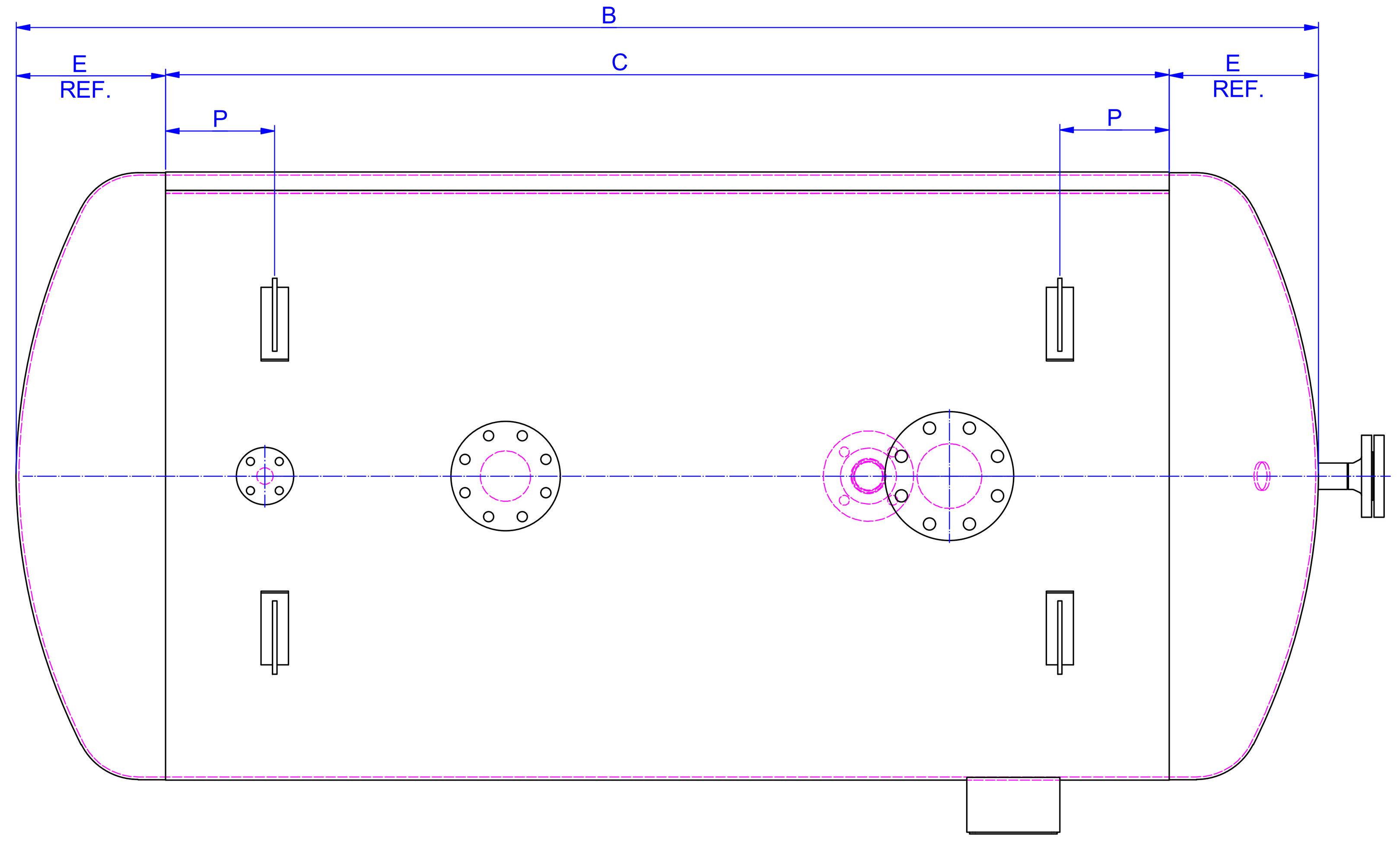



SIDE VIEW



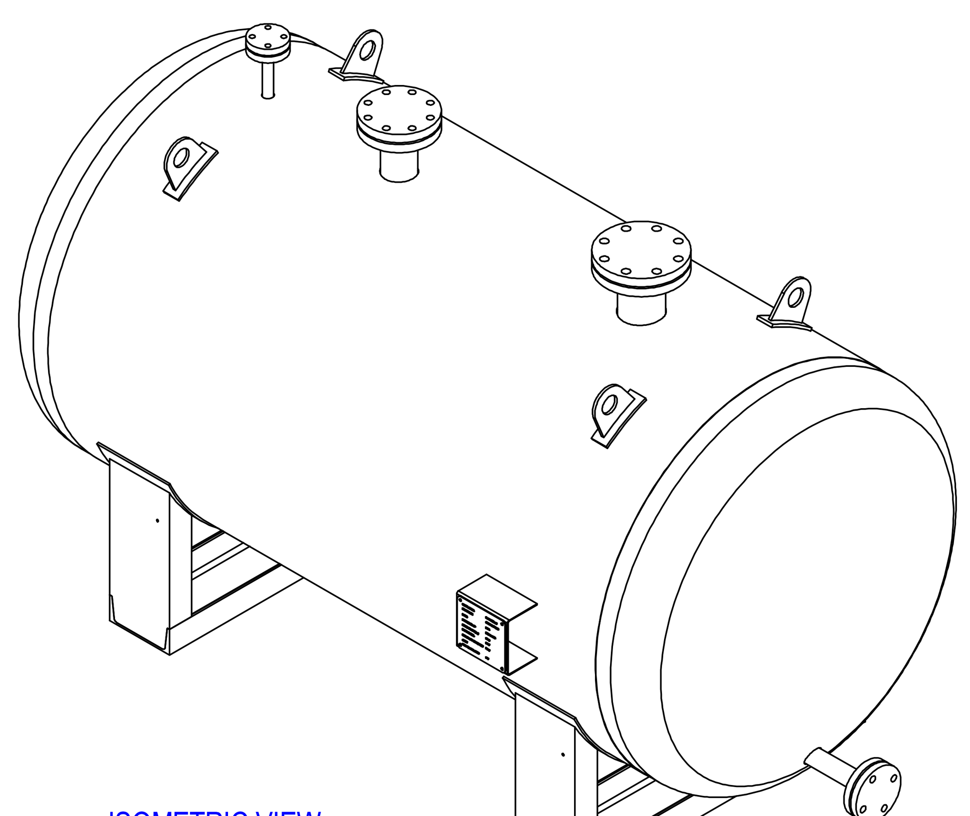

ELEVATION




PLAN

| TABLE FOR TANK DIMENSIONS | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAPACITY | A | A1 | B | B1 | C | D | E (REF) | F | G | H | I | J (ISMC) | K | L | M | O | P | Q | R |
| 500 L | 712 | 6 | 1518 | 5 | 1128 | 550 | 190 | 289 | 310 | 830 | 149 | 100 | 62 | 202 | 524 | 252 | 250 | 620 | 460 |
| 1000 L | 912 | 6 | 1750 | 5 | 1352 | 650 | 194 | 350 | 425 | 960 | 196 | 150 | 100 | 235 | 737 | 245 | 340 | 807 | 620 |
| 1500 L | 1012 | 6 | 2168 | 5 | 1662 | 700 | 248 | 390 | 500 | 1220 | 221 | 150 | 148 | 338 | 785 | 349 | 350 | 883 | 690 |
| 2000 L | 1112 | 6 | 2382 | 5 | 1836 | 750 | 268 | 445 | 550 | 1360 | 238 | 200 | 182 | 402 | 812 | 402 | 200 | 973 | 770 |
| 2500 L | 1212 | 6 | 2504 | 5 | 1918 | 800 | 288 | 520 | 600 | 1400 | 259 | 200 | 189 | 429 | 820 | 429 | 200 | 1060 | 850 |
| 3000 L | 1312 | 6 | 2550 | 5 | 1936 | 850 | 307 | 475 | 600 | 1360 | 288 | 200 | 198 | 438 | 820 | 438 | 200 | 1143 | 920 |
| 4000 L | 1412 | 6 | 2910 | 6 | 2258 | 900 | 326 | 435 | 858 | 1650 | 304 | 250 | 159 | 439 | 1100 | 439 | 200 | 1230 | 1000 |
| 5000 L | 1512 | 6 | 3154 | 6 | 1960 | 950 | 347 | 645 | 950 | 1800 | 330 | 250 | 215 | 525 | 1350 | 275 | 250 | 1316 | 1080 |
| 6000 L | 1612 | 6 | 3284 | 6 | 2552 | 1000 | 366 | 605 | 1022 | 1850 | 351 | 250 | 241 | 551 | 1300 | 371 | 300 | 1406 | 1080 |
| 8000 L | 1816 | 8 | 3520 | 6 | 2694 | 1100 | 407 | 784 | 850 | 1900 | 397 | 250 | 250 | 600 | 1100 | 644 | 350 | 1580 | 1350 |
| 10000 L | 1916 | 8 | 4066 | 6 | 3200 | 1250 | 427 | 800 | 1000 | 2324 | 438 | 300 | 350 | 775 | 1200 | 625 | 438 | 1673 | 1200 |
| 12000 L | 1916 | 8 | 4516 | 6 | 3650 | 1250 | 427 | 800 | 1100 | 2450 | 600 | 300 | 475 | 900 | 1475 | 800 | 625 | 1673 | 1200 |
| 15000 L | 1916 | 8 | 5870 | 6 | 5000 | 1250 | 429 | 800 | 1500 | 3400 | 800 | 300 | 500 | 925 | 2625 | 1000 | 800 | 1673 | 1200 |
| 20000 L | 2420 | 10 | 5156 | 8 | 4100 | 1550 | 528 | 984 | 950 | 3100 | 500 | -- | 550 | 800 | 2125 | 625 | 600 | 2170 | 1910 |
| 30000 L | 2620 | 10 | 6032 | 8 | 4900 | 1600 | 566 | 1066 | 1350 | 3500 | 700 | -- | 950 | 800 | 2200 | 950 | 800 | 2375 | 2590 |
| 500000 L | 3170 | 10 | 6949 | 10 | 5600 | 2132 | 674 | 1292 | 1700 | 4000 | 800 | -- | 1300 | 800 | 2200 | 1300 | 800 | 2860 | 2773 |

| TABLE FOR NOZZLES | | | | | | | |
|---|---|---|---|---|---|---|---|
| CAPACITY | EXPANSION TANK HOLD UP VOLUME (Ltr.) | DRY WT (Kg) | N2 DISP. PIPE | N3 CHARGING PUMP CONN. | N4 VENT PIPE | N5 EX TANK OVER FLOW | N6 DRAIN |
| 500 L | 431 L | 254 | DN 80 | DN 40 | DN 20 | DN 100 | DN 25 |
| 1000 L | 934 L | 410 | DN 80 | DN 40 | DN 20 | DN 100 | DN 50 |
| 1500 L | 1293 L | 481 | DN 80 | DN 40 | DN 20 | DN 100 | DN 50 |
| 2000 L | 1734 L | 582 | DN 80 | DN 40 | DN 20 | DN 100 | DN 50 |
| 2500 L | 2166 L | 654 | DN 80 | DN 40 | DN 65 | DN 100 | DN 50 |
| 3000 L | 2604 L | 713 | DN 80 | DN 40 | DN 65 | DN 100 | DN 50 |
| 4000 L | 3481 L | 945 | DN 80 | DN 40 | DN 65 | DN 100 | DN 50 |
| 5000 L | 4349 L | 1063 | DN 80 | DN 40 | DN 65 | DN 100 | DN 50 |
| 6000 L | 5163 L | 1161 | DN 80 | DN 40 | DN 65 | DN 100 | DN 50 |
| 8000 L | 7023 L | 1666 | DN 80 | DN 40 | DN 65 | DN 100 | DN 50 |
| 10000 L | 9935 L | 2043 | DN 80 | DN 40 | DN 65 | DN 100 | DN 50 |
| 12000 L | 11550 L | 2212 | DN 80 | DN 40 | DN 65 | DN 100 | DN 50 |
| 15000 L | 13556 L | 2854 | DN 80 | DN 40 | DN 65 | DN 100 | DN 50 |
| 20000 L | 18548 L | -- | DN 80 | DN 40 | DN 80 | DN 100 | DN 50 |
| 30000 L | 26015 L | -- | DN 80 | DN 40 | DN 80 | DN 100 | DN 50 |
| 500000 L | 43641 L | -- | DN 80 | DN 40 | DN 100 | DN 100 | DN 50 |



ISOMETRIC VIEW

## DESIGN DATA:-

- DESIGN CODE --------------------- EN 13445-3 :2009
- DESIGN PRESSURE : --------------- 2 bar g.
- MAX. DESIGN METAL TEMPERATURE - 300° C (572° F)
- MIN. DESIGN METAL TEMERATURE---- 20°C (68° F)
- HYD. TEST PRESSURE ------------- 3 bar g.
- HYD. TEST TEMPERATURE--------- MIN 17°C (62.6 °F)
- CORROSION ALLOWANCE ---------- 0.75 mm
- JOINT EFFICIENCY. = SHELL --------- 0.85
  HEADHOLE SHELL --- 0.85
  DISHED END ------- 0.85 (DISHED END BLANK IN ONE PIECES)
- OPERATING MEDIUM ------------- THERMIC FLUID (MINERAL OIL)
- DISHED END -------------------- TORISPHERICAL
- SERVICE ----------------------- COLLECTION TANK

## MATERIAL SPECIFICATION:-

- TANK PLATES, DISHED ENDS ----------- S 235 JR
- HEAD HOLE --------------------------------------- P265GH
- FLANGES -------------------- -------------------- P235GH
- SADDLE / LIFTING HOOK --------------------S275
- NOZZLE PIPE / TUBES ------------------------P235GH
- GASKET -------------------------------------------COMPRESED NON ASBESTOS (TYPE B)

## GENERAL NOTES:-

1) MARK FOUR CENTER LINES BY PUNCH ON THE END OF THE SHELL FOR REFERENCE
2) ALL FLANGE HOLES ARE EQUI SPACED OFF-CENTER LINE.
3) ALL SHARP EDGES / CORNERS TO BE DEBURRED & ROUNDED OFF TO SMOOTH RADIUS.
4) ALL FILLET WELDS ARE 6mm. UNLESS OTHERWISE SPECIFIED.
5) ALL STAND PIPES AND BRANCHES 50 NB & BELOW TO BE WELDED WITH 25 x 6 TH.STIFFENER.
6) DIMENSIONAL FABRICATION TOLERANCE AS PER EN 13445-3: 2009.

danstoker

Målforhold: 1:10

| INIT: | DATO: | KONTR: | DATO: |
|---|---|---|---|
| ISS | 26.02.2021 | | |

# GENERAL ARRANGEMENT

## COLLECTION TANK WITHOUT MANHOLE

Design pressure : 2 bar g.
Test pressure : 3 bar g.
Max. temperature : 300° C

A1- 350-XXXX

Tolerancer iht. EN ISO 13920 Class C
Alle mål mod isolering 15mm