

MEDIUM:

H2SO4 with: max. 350g/l H2SO4
max. 60g/l metal
max. 2g/l unsolved scale
temperature: max. 100°C
density: approx. 1.35kg/dm3

DIMENSIONS:

All shown dimensions are finished dimensions.

This dimensions is the minimum wall thickness based on the described stressed wall construction and on proper workmanship and sound engineering practice.

All flanges must be plain.
The inner diameter of the sockets must not be smaller than indicated.
All flange dimensions according DIN 2501 except manhole and funnel.
Socket for manhole and funnel according DIN 28043.
Relevant local regulations have to be considered by manufacturer.

MATERIALS:

Tank and sockets : fiber reinforced plastic

CONSTRUCTION OF FRP TANK:

GENERAL NOTES :

- The complete FRP-laminate has to be done with vinylester resin DERAKANE 470 (Supplier : DOW CHEMICALS)
- The tank manufacturer has to follow exactly the processing instructions of the resin supplier.
- The manufacturer by its own has to calculate and determine the required thickness of the stressed wall according to his manufacturing standard, however, it is not allowed to drop below the indicated wall thickness.
- Stress calculations and all deviations in construction must be notified to ANDRITZ and confirmed by ANDRITZ prior to manufacturing.

I. CHEMICAL BARRIER:

Thickness approx. 5mm
The following describes the layers starting from the inner surface:
2 layers with ECR-fleece 20g/m2
4 layers with glassfibre mat MII3/10TEX 450g/m2

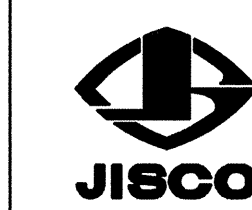
II. STRESSED WALL:

The following describes the layers starting from the first layer put onto the chemical barrier :
Several layers with mat ROVIMAT 1000g/m2 up to the requested wall thickness.

TEST:

Leakage test by filling with water at 0,1 bar additional pressure and ambient temperature.

ITEM	DN	PN	DENOMINATION
M1	800	-	MANHOLE
M2	-	-	-
M3	800	-	INLET SOCKET
N1	100	10	EXHAUST SYSTEM
N2	100	10	LEVEL CONTROL
N3	150	10	SPARE
N4	-	-	-
N5	-	-	-
N6	-	-	-
N7	-	-	-
N8	-	-	-
N9	400	10	BACKFLOW
N10	400	10	BACKFLOW
N11	100	10	OVERFLOW
N12	-	-	-
N13	350	10	SUCTION SOCKET
N14	50	10	TEMPERATURE INDICATOR
N15	150	10	DRAIN



COLD ROLLING STAINLESS STEEL PLANT

DWG No. SHEET OF ASSEMBLY DWG No. MARK

DWG No. PAGE REV.

ANDRITZ
ANDRITZ AG WIEN, AUSTRIA

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OK-BK-JS-DRAP.428.02.TANK.1

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