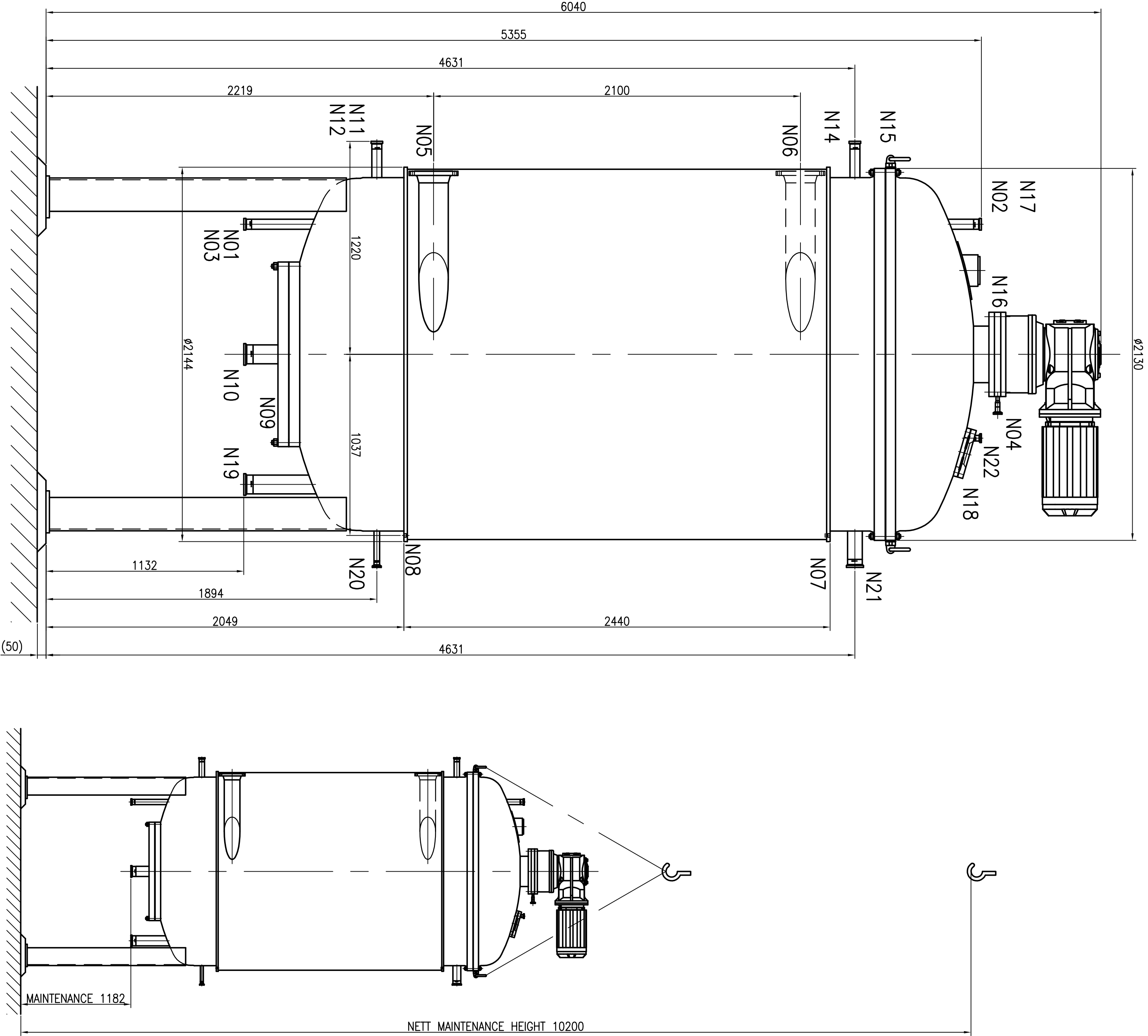
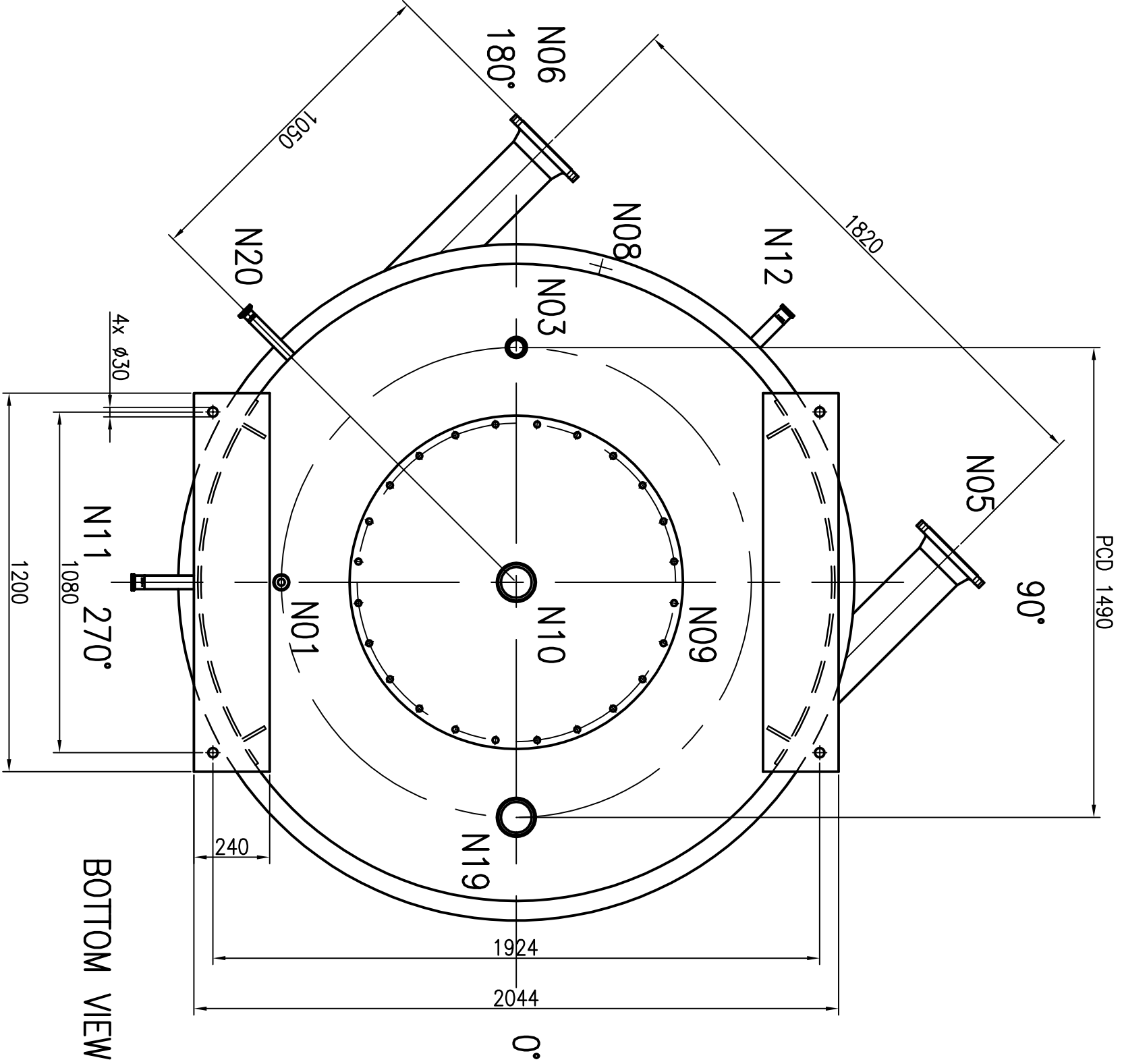
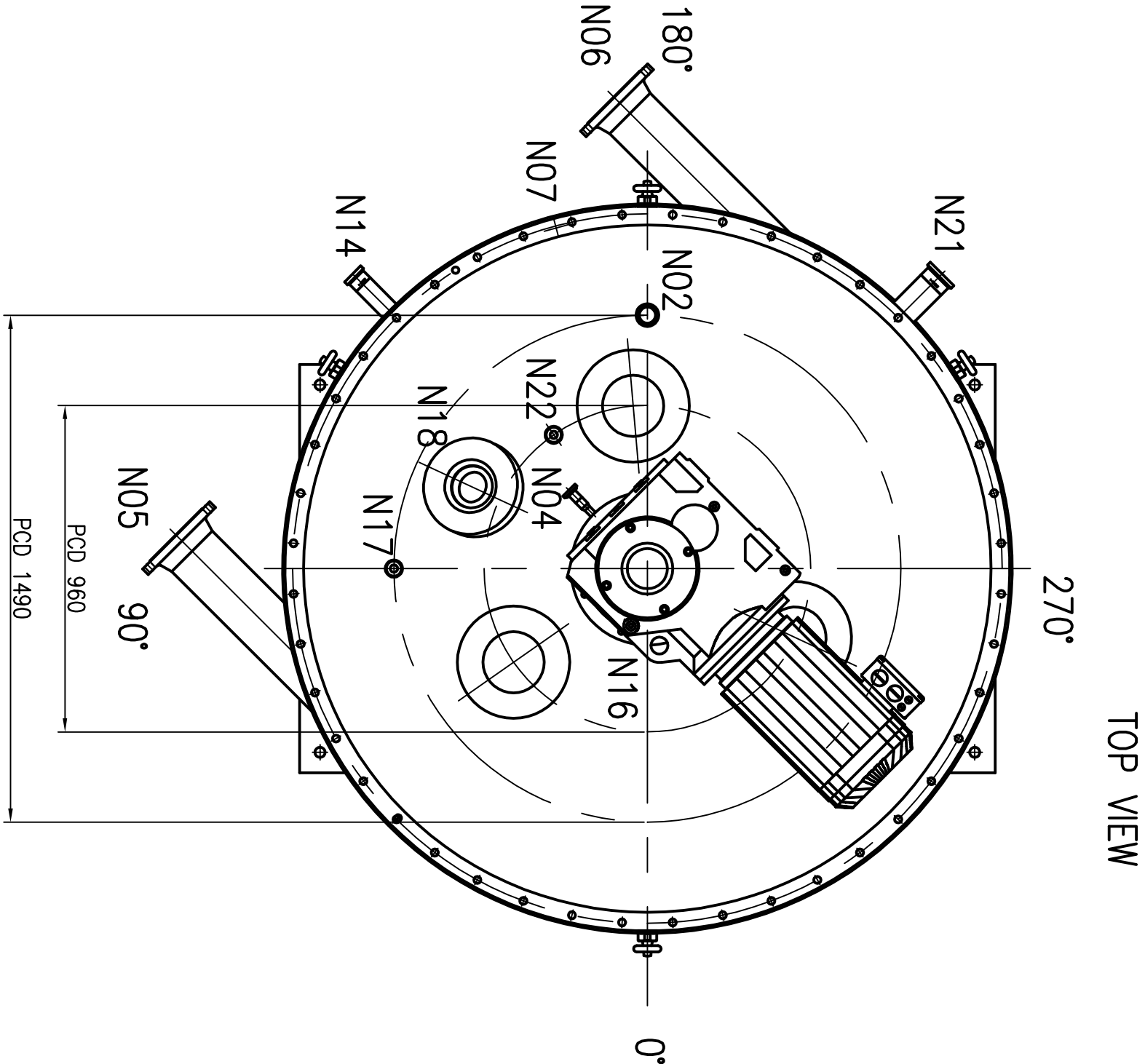




DESIGN DATA			
Description	Vessel	Jacket	Unit
Design pressure	-0.2 / +3	-0.5 / +3	bar (g)
Design temperature	-25 / 95	-25 / 95	°C
Test pressure	4	4.2	bar (g)
Capacity	11.5	0.64	m ³
Medium	Coffee	Temper liquid	
Classification	ASME Boiler & Pressure Vessel code Section VIII div. 1		
Weight agitator assembly	1350 kg		
Empty weight vessel (without agitator)	4550 kg		
Total empty weight crystallizer	5900 kg		
Total max. operating weight crystallizer	21000 kg		

NOZZLE DATA						
N22	01	Vent		1"	I-Line	Female coupling
N21	01	Liquid+crystals IN from ice&		3"	I-Line	Female coupling
N20	01	Liquid+crystals OUT to ice&		1"	I-Line	Female coupling
N19	01	Liquid+crystals OUT to washcolumn		4"	I-Line	Female coupling
N18	01	Sight glass		6"		
N17	01	Nitrogen IN		1"	I-Line	Female coupling
N16	01	Agitator drive		12"	#150	ANSI B16.5
N15	01	Main flange		80"		
N14	01	Liquid + crystals IN (product)		2"	I-Line	Female coupling
N12	01	Pressure transmitter		2"	I-Line	Female coupling
N11	01	Temperature transmitter		2"	I-Line	Female coupling
N10	01	Drain of vessel		4"	I-Line	Female coupling
N09	01	Manhole		36"		
N08	01	Drain of jacket		1/2"	Female NPT	
N07	01	Purge of jacket		1/2"	Female NPT	
N06	01	Cooling liquid OUT		6"	WNRF #150	ANSI B16.5
N05	01	Cooling liquid IN		6"	WNRF #150	ANSI B16.5
N04	01	Vent of vessel		1"	I-Line	Female coupling
N03	01	Liquid + crystals OUT (product)		2"	I-Line	Female coupling
N02	01	Liquid IN (Feed)		2"	I-Line	Female coupling
N01	01	Liquid+crystals OUT to washcolumn		1 1/2"	I-Line	Female coupling
MARK	QTY	SERVICE		NOM/DIA	FLANGE/RATING	REMARKS

NOZZLE DATA					
Posno	Quantity	Description	Material	Code	Remarks
A	21,2,13	FYE	Changed according lay-out.		
Issue	Date	By	Remarks		
ISSUE	DATE	BY	REMARKS		
A1	17.08.12				
SCALE	1:16				
PROJECT	DATE	BY	REMARKS		
614.111.110.A	27.2.814				

Process Engineering

GEA

GEA Nitro PT B.V.

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614.111.110.A

> 2000	± 2
> 1000	± 1.2
> 500	± 0.8
> 200	± 0.5
> 100	± 0.3
> 50	± 0.2
> 20	± 0.1
> 10	± 0.1
> 5	± 0.1
> 2	± 0.1

Unless shown on drawing tolerances
acc. DIN ISO 2768-1 apply.