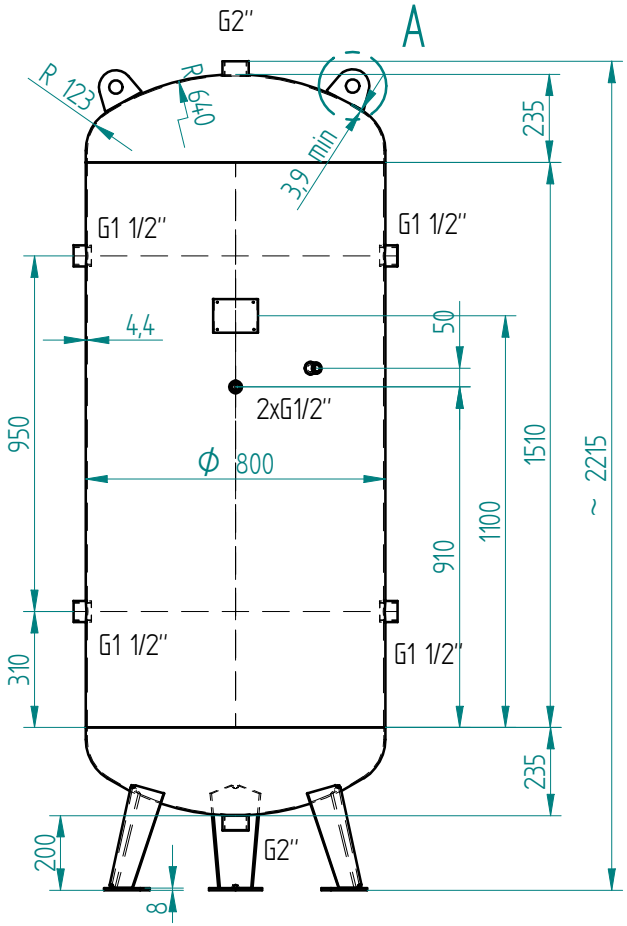
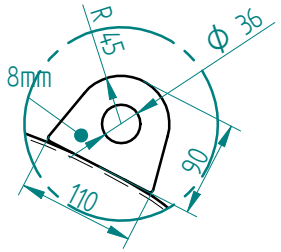
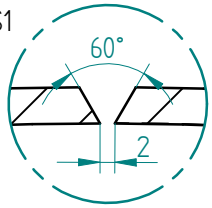
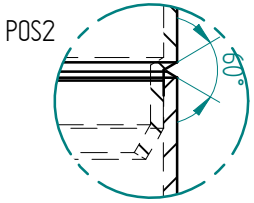
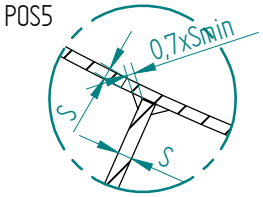


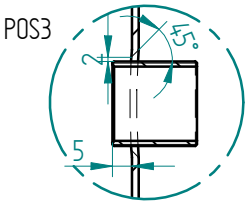


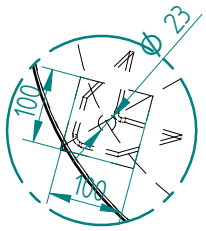
Detail A



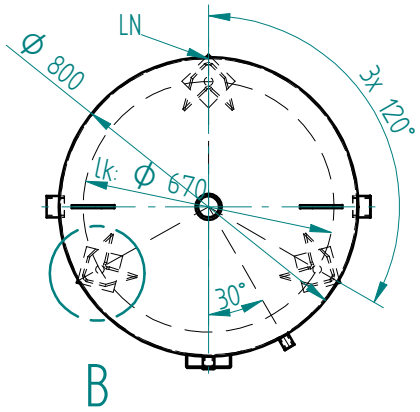


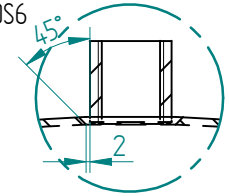






Detail B





ventilation-,
drain-,
galvanizing socket
inside flush

threaded socket	
G1/2"	d30x34
G1 1/2"	d57x48
G2"	d70x40

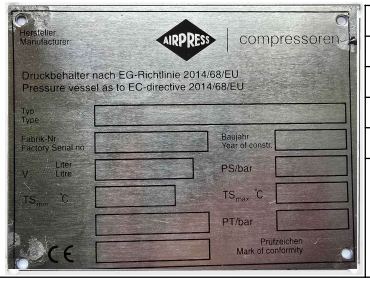
Welding process					
	POS1	POS2	POS3	POS5	POS6
root welding	135	135	135	135	135
filler and blanket welding	135/121	121	111	135	111
counter welding	111		111	135	111

Capacity	V	:	900 liter
Design pressure	PS	:	11 bar
Test pressure	PT	:	15,73 bar
Design temperature	TS	:	-10 °C + 50 °C
Operating medium		:	compressed air , nitrogen
PED Category		:	IV
Material:			
Mantle plate		:	P265GH EN 10028-2 3.1 /AD2000-W1
Semi-ellipsoidal head DIN28013		:	P265GH EN 10028-2 3.1 /AD2000-HP 8/1
Socket		:	P235GH EN 10216-2 3.1 /AD2000-W4
Other material		:	S235JR EN 10025
surface finish		:	inside raw , outside painted or hot-dip galvanized inside and outside
Corrosion allowance		:	1 mm
Welding factor		:	v=0,85
Welding filler materials		:	Electrode approwed with process testing
Design directive / standard		:	2014/68/EU , PED , module B+D / AD-2000
EG design review		:	E 122/0198/2021
EG type testing		:	H/BP 21 0201

According to AD-2000, data sheet S1, passage 1.4 :

The vessel is designed for a fatigue strength in the pressure range 20% of the maximum permissible operating pressure PS N<=1000 charging and deflate.

CE 1008



	NAME	DATE
DRAWN	Hajnal Zs	2026.05.27.
CHECKED		
ENG APPR		
MGR APPR		

MAGNET

Pressure vessel

900 liter 11 bar

SIZE	DWG NO	REV
	900-11-130	

SCALE:

Gewicht: 190 kg