



INSULATED CONICAL TANK WITH COOLING JACKET



Conical fermentation tank for beer - CCT

Cylindrical-conical fermentation tanks (CCT) are the tanks where the main alcoholic fermentation takes place. Insulated tanks with a cooling jacket on the cylinder and on the tank cone. In most cases, these tanks work under pressure and are therefore equipped with safety fittings. Their standard equipment also includes a CIP head and manholes for access to the inside of the tank. The hygienic design allows safe fermentation of beer without the risk of contamination. Initially, fermentation proceeds turbulently, releasing large amounts of carbon dioxide and heat. By means of safety fittings, the level of carbon dioxide is regulated to the required amount. Cooling jackets are used to control the beer fermentation temperature and maintain it at the level required by the brewer. The special conical design of the bottom of the tank helps to collect yeast residues and separate them from the beer.



Depending on the capacity and needs of the brewery, the CCT tank can be produced in different volumes and sizes, provided that the main geometry is maintained. These tanks can be installed inside and outside buildings. The design for outdoor installation allows proper operation in outdoor weather conditions.

Technical data:

Working pressure: 3 barg

Working temperature: -2°C +30°C

Internal surface finish (roughness): Ra < 0.8 m

Cooling jacket design data

Working pressure: up to 3 bar

Working temperature: -10°C +30°C

Basic equipment:

- Top/side hatches
- Pressure and vacuum safety valve CIP/CO2 pipeline with pressure gauge and throttle valve, CIP head, blanking valve
- Temperature control
- Coats
- Sampling valve
- Full drain butterfly valve
- butterfly valve for removing wine from above the sediment
- Polyurethane insulation
- Adjustable legs

VOLUME	WORKING VOLUME	OVERALL DIAMETER	TOTAL HEIGHT
Vmax, hl	V, hl	Dext, mm	Hmax, mm
13	10	1100	3100
21	16	1400	3200
25	20	1300	3850
32	25	1550	3650
38	31	1600	3900
51	40	1600	4650
63	50	1750	4800
74	60	2000	4600
80	70	2000	4850
100	80	2000	5600
120	100	2150	5800



158	126	2150	7050
195	156	2350	7200
251	201	2350	8700

GALERIE

