

Brewhouse - 600 hl pbrew, up to 4.800 hl per Day

Brewhouse with malt treatment, whirlpool kettle, wort cooler, biological acidification and CIP-plant.

Overview Brewhouse

Brewhouse in a very good condition with cast wort of 600 hl per brew. The brewhouse is equipped with a full automatic control by Siemens S5 (155U) and a large energy recovery. The plant is shut down, not dismantled.

Malt treatment	40 t ph	1990	Künzel
Brewhouse	600 hl cast wort max. 8 brews pday	1991	Steinecker
- 2 Mash tun kettle			
- 1 Lauter tun			
- 2 Whirlpool kettle			
Biological acidification	5 x 32 hl	1991	Steinecker
Vapour condenser			
- Mash tun kettle			
Vapour compressor			
- Whirlpool kettle			
Brew water treatment	50 m ³ ph	1990	Babcock
CIP	4 x 100 hl 1 x 55 hl	1990	

For more information please ask for detailed documents provided by ES PROJECTS.

Price

Price:

Negotiation



Malt Treatment

Malt conveyor system - Trough chain conveyor, bucket elevator	40 t ph	1990	Künzel
2 x load cells With automatic weight control	each 36 t 40 t ph	1990	Künzel Schenk
4 x Malt silo	each 80 t	1990	Künzel
Silo outlet - Trough chain conveyor, also for circulation	20 t ph	1990	Künzel
Malt cleaning - Plan sieve with sifter, - Stone removing	20 t ph 11 t ph	1990	Künzel
Malt balance	50 kg p load 10 t ph	1990	Künzel
Malt conditioning - Condition worm in stainless steel - Warm water producer	10 t ph	1990	Künzel
Malt mill - 6-roller-mill - Full automatically - Spent dividing	6,6 t ph	1990	Künzel
Grist bin - for conditioned lauter tun grist - 2 Bin for grains - 1 Bin for flour and grits	12,5 t	1990	Künzel
Dust separation - Aspiration plant - 2 Pocket filter - 2 Dust separator - Automatic dust dosage to spent grain buffer		1990	Künzel



6-Roller Mill



Stone Removing

Brewhouse

Brewhouse capacity	~600 hl pbrew up to 4.800 hl pday		
Material	Stainless steel		
Control	S5 Fully automatic	1991	Steinecker
Energy recovery	Vapour condenser Vapour compressor	1991	Steinecker
2 x Mash tun kettle	each 670 hl	1991	Steinecker
2 x Mashing-in device	DN 350 Max. mashing-in time 15 min.	1991	Steinecker
1 x Lauter tun installation - Automatic lautering - Load up to 172 kg pm ² - 6-arm raking machine - 108 rakes - Density- and turbidity measuring	Ø 8,30 m Up to 12 to malt 946 hl	1991	Steinecker
2 x Whirlpool kettle - Low-pressure boiling 0,5 bar - External cooker - Density measurement	Ø5,80 m 990 hl	1991	Steinecker
Wort cooler, one step - Wort from 98°C to 6°C - Ice water from 3°C to 86°C - Cold wort flow meter (IDM)	600 hl ph 665 hl ph	1991	Schmidt Bretten
4 Hop dosing vessels - Extendable to 8 hop dosing vessels - Max. 4 additions per brew	each 2,2 hl	1991	Steinecker
Spent grain buffer Spent grain silo	1 brew 6 brews	1991	Steinecker



Mash Tun Kettle



Lauter Tun

Brew Water Treatment

Brew water treatment	50 m ³ ph	Babcock- Wabag
Separation vessel - for separation from other water circuits		
2 x Raw water pumps - alternating use		
Acid cation exchanger	4.200 l	
Anion exchanger - selective to nitrate	1.360 l	
Rinse vessel - for resin washing	10.855 l	
Buffer for hydrochloric acid - for HCl, 30 %, with collecting pan	10.855 l	
Buffer for sulphuric acid - for H ₂ SO ₄ , 45 %, with collecting pan	3.075 l	
Lime water saturator - producing of saturated lime water	18.750 l	
Dosing station - for saturated lime water - with dosing vessel, stirrer and dosing pump	1.695 l	
Dosing station - for calcium chloride - with dosing vessel, stirrer and dosing pump	1.060 l	
Collecting pan - for collecting, mixing and neutralisation of waste water from water treatment and CIP	21.195 l	



Water treatment

Wort acidification, CIP-Pant

Wort acidification	1991	Steinecker
5 Vessels - for producing of biological acid	each 32 hl	
CIP-plant	1991	Steinecker
1 Vessel with 5 chambers for:		
- Batch tank		
- Base 1	4 x 10.000 l	
- Base 2	1 x 5.500 l	
- Acid		
- Fresh water		
- up to 85°C		



Wort Acidification

Various pictures



Grist Bin



Dust Separator



Hop Dosing Station

Various pictures



Wort Cooler



Lauter Tun – Racking Machine

Various pictures



Vapour Condenser from Mash Tun Kettle



Pocket Filter