

CO₂ Recovery Plants for breweries



CO₂ Recovery Plants

Recovery Plants (RBU) are specially designed to recover CO₂ from the fermentation processes at breweries. Through appropriate scrubbing, filtration and separation technology the recovered CO₂ is purified to comply with the highest quality requirements in the market.

Using state of the art structured packing material in the water scrubber reduces the water consumption to 0.25 kg water/ kg CO₂ which equals up to 75% reduction compared with traditional plants.

The **PUR-D technology** is the final purification step, consisting of a distillation column which enables separation/blow-off of

noncondensable gasses, thereby reducing O₂ content in the final product < 5 ppm (v/v) and obtaining corresponding CO₂ purity of min. 99.998% (v/v).

The electrical system for the CO₂ recovery plant consists of a local control panel and a LV (low voltage) MCC panel. From the control panel, which comprises the latest PLC technology, the plant is operated and monitored on a touch colour TFT display, ensuring easy and continuous trouble-free operation.

The plant is started by an automatic start sequence and the operation is fully automatic.

The entire process is easily surveyed on the operator panel, showing the status of all drives, readings of all transmitters and alarm warnings, which will also be indicated by audible alarm.

All instruments installed on the skids are wired to junction or remote I/O boxes prior to shipment, thus reducing installation and commissioning time on site.

The plants are designed for high efficiency, availability and reliability through components selected for long life and 24/7 operation.