M-Polynox MC

Crossflow beer filtration with polymeric membranes

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Kieselguhr free beer filtration with organic membranes
– Bright, yeast free filtered beer
– High flexibility for a wide range of beer types
– Easy to operate

The reliable solution for membrane filtration of beer

The technologies set up by Bucher Denwel ensure performance, reliability, short return on investment and sound operating profits.

Bucher Denwel presents M-Polynox MC, the reliable solution for crossflow beer filtration with polymeric membranes.
– M-Polynox MC filtration process for high-quality filtered beer and steady flow rates.
– High filtrate yield without solid waste.
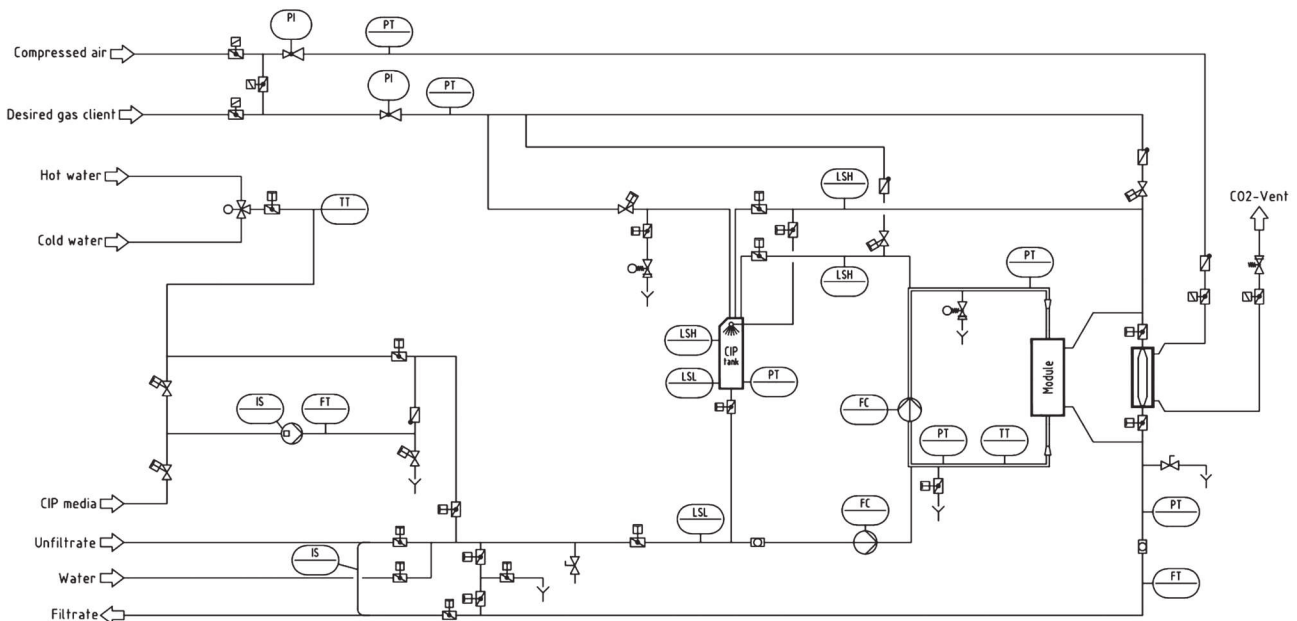– Flexible automation system with maximum operational safety thanks to permanent self-controlling devices.

Plant sizes from 10–60 hl/h / 120 hl/h (4–26/102 gpm, 8–51/102 bbls/h) for twin plants.

Membranes

The filters are equipped with a polymeric, hydrophilic membrane with asymmetrical structure specially adapted to beer.

The asymmetrical structure greatly contributes to maintaining a steady filtration flow rate. The membranes can be exposed to alkaline, acidic and oxidising cleaning agents for reliable recovery of filtration performance.

Process flow diagram

Products
We develop and produce a wide range of specialized equipment and provide engineering solutions dedicated to help brewers to optimize their processes.

Combining experience and innovation we build safe and reliable Cold Blocks, supply brewing equipment such as Filtration, Beer recovery systems, Yeast plants, Water Deaeration, Blending, Carbonation, Dosing, Hard Seltzer units, Flash Pasteurization and CIP.

Services
We have a global presence. Our sales and service network is always available for you to provide consultancy, technical support and after sales service.