DEANOX

Membrane Water Deaeration System – DEANOX-M

General product Information

The NOXTING membrane deaeration system will improve the overall filling performance of beverages while reducing equipment and operating costs compared to traditional vacuum-diffusion deaeration systems.

With all NOXTING technology, the focus of our membrane deaeration system is to create a durable, reliable and efficient system for filling processes. Our equipment is designed to be small and compact, without sacrificing performance and production capabilities.

Our membrane deaeration system requires no operational involvement, offers extended maintenance cycles, and uses less water, CO_2 and energy than other membrane deaeration systems on the market. The system offers a very low pressure drop, which means that water supply pressure and energy are saved and re-used in your process.

Very high levels of O_2 removal are achieved with very low energy and scrubbing gas usage. In addition, the NOXTING membrane deaeration system does not require the additional components of water pumps or the additional energy use of traditional spray-diffusion deaeration systems.

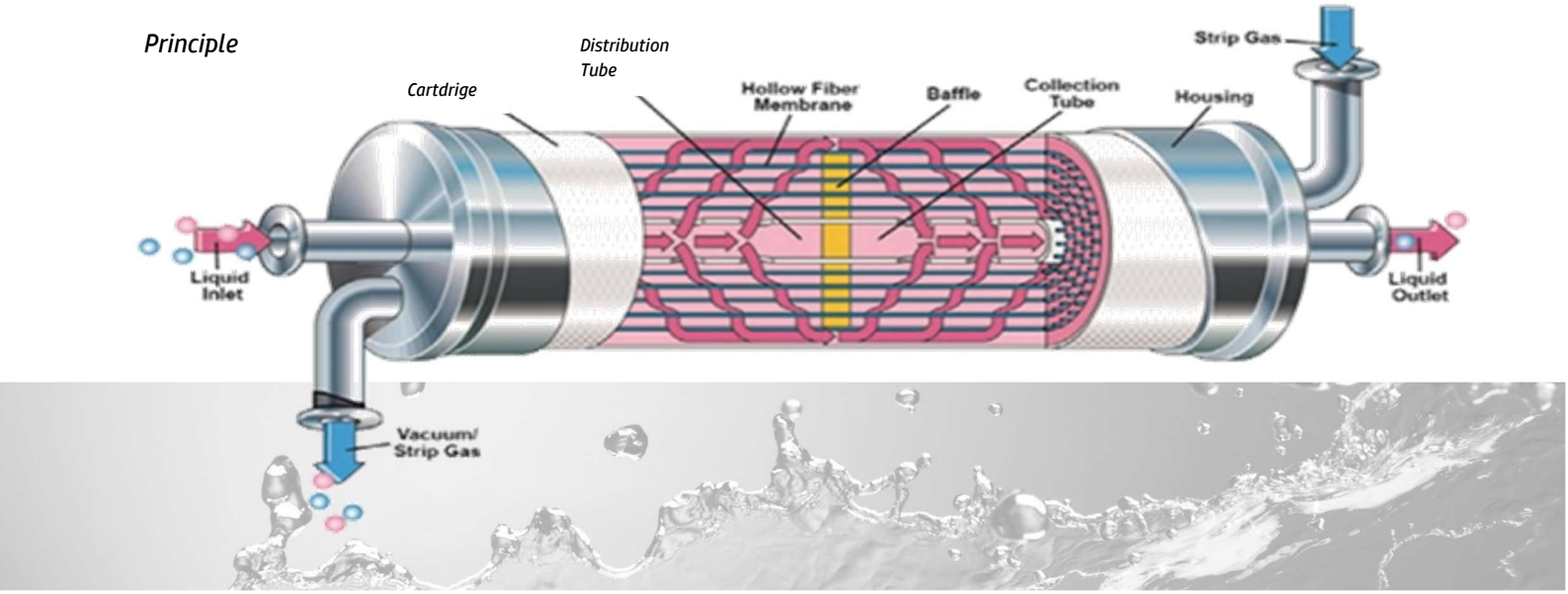
Benefits

- Cost saving
- low energy consumption
- very small footprint
- virtually unlimited capacity
- wide area of use
  - ⇒ local use
  - ⇒ craft brewery
  - ⇒ Food industry
- Aseptic design
- compact unit
- Full automatic
- in-line dissolved O2 measurements

Scope of Supply

- Skid for mounting all components
- Membrane modules
- Vacuum pump
- CO2—sweep gas tube, flow meter, control valve
- Water flow meter and control valve
- PLC control
- Instruction manual

Principle



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Technical data

Capacity:	2 ÷ 50 hl/h
O2 Outlet:	max 10 ppb
Sweep gas:	CO2
Sweeep flow:	1 ÷ 3,2 kg/h
Vaccum flow:	5 ÷ 20 m3/h
Water Inlet temperature:	15 °C
CO inlet pressure:	6 ÷ 8 bar
Gas purity:	99,99 %

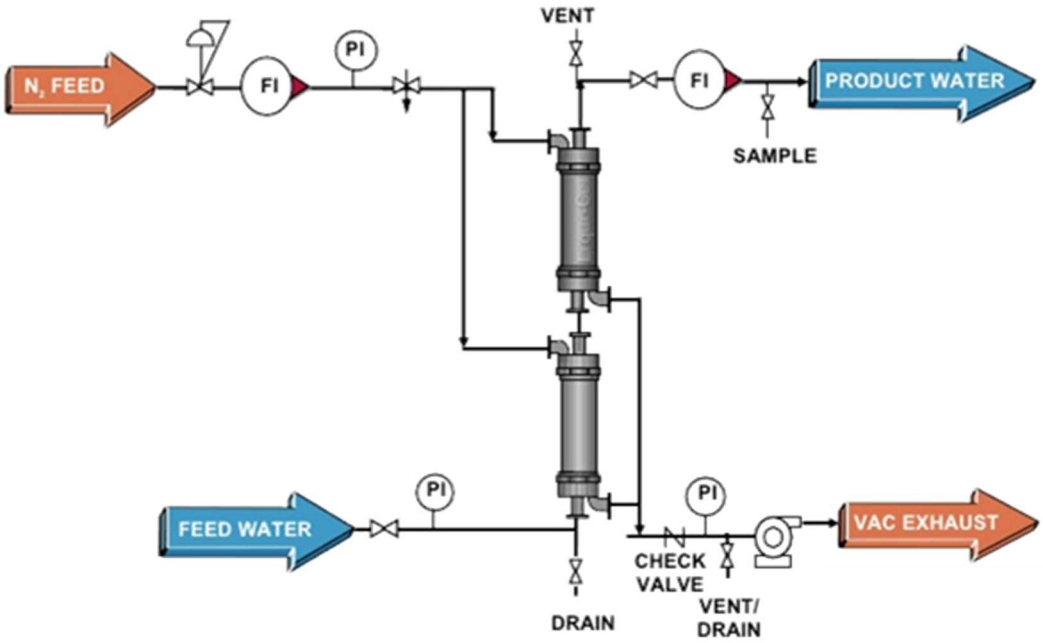
Connection

- DIN 11 850 serie 2
- ASME BPE-2009
- DIN EN ISO 1127

Material

- Product side:
  - 1.4404 / AISI 316 L
- Non product contact:
  - 1.4301 / AISI 304 /
  - 1.4307 / AISI 304 L /

Scheme



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