DIST D-2892/5236 MC

Combined Distillation System according to
ASTM D-2892 (TBP)
ASTM D-5236 (Potstill)

Technical Data

- Operation Temperature: IBP ... 575°C AET (depending on product)
- Operation Pressure: 0.1 ... 760 mmHg (Torr)
- Fraction collector: 6 x 12 receivers, heated by IR-radiators

Design Essentials

- operation through PC and flow chart (process parameters are indicated digitally and are presented in coloured curves as a diagram "parameter vs. time") – easy unit management also by less experienced operators
- user-software application operated under WINDOWS™XP
- "log-book" with permanent data report and data storage
- reported history of distillation processes
- storage of distillation processes with parameters and data, limited by OS ("operator system") only
- pre-selectable heating modes, e.g. indirect/direct distillation rate control
- automatic fraction/receiver changes according to pre-selected cut temperatures and/or receiver overfilling
- "supervisory"-mode for manual overruling of automatic control mode – with indication of every manual intervention in the flow chart

=> manual operation of the unit (in emergency cases or for maintenance etc.)

=> manual receiver change

- semi-automatic / manual debutanisation procedure
- manual cooling down procedure after a distillation run
- integrated UPS-system for PC, control system for data storage up to 10 minutes during a power failure
- sophisticated vacuum control with dynamic vacuum reduction procedure
- sophisticated safety and product cracking checks
- media supply check (nitrogen, instrumentation air, cooling water)
- various options available: e.g. "water removal/dehydration", "density measurement", "safety devices", "calibration devices", "evaluation software", "high vacuum extension (final cut range up to 620°...650°C AET)"



expect essentials

The i-Fischer® Dist D-2892 / 5236 MC is a micro-processor controlled unit of turn-key design, and ready for use after installation and commissioning. The system is fully housed and equipped with doors in the front and rear to satisfy safety requirements and to facilitate service aspects.
The automatic fraction collector, the vacuum equipment and the control system are used for alternative operation of both distillation processes.

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