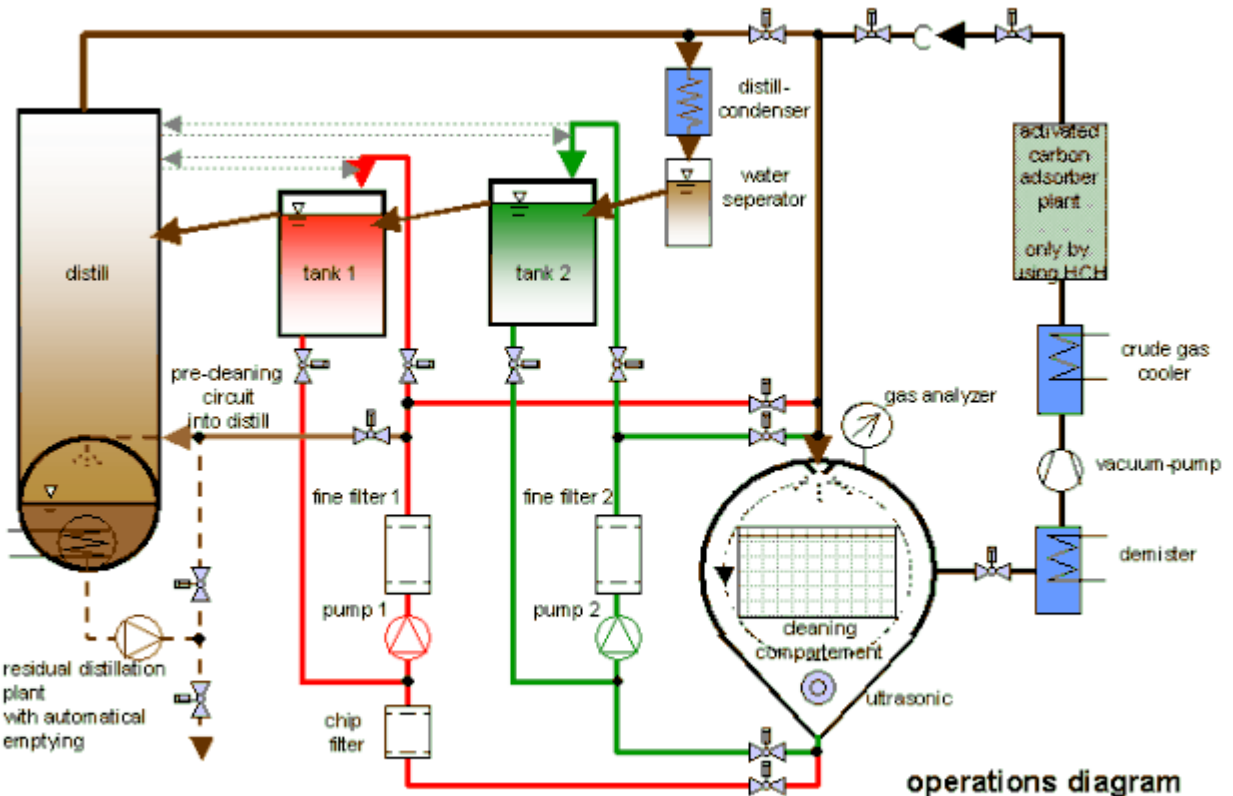


Process description MULTICLEAN-F



operations diagram
Höckh-MULTICLEAN-F
 solvent degreaser for use of
 chlorinated and A-III hydro-carbons

typical temperatures and pressures:

Per: 550 mbar; dist. 102 °C; tanks 60-70 °C
 A-III: 100 mbar; dist. 105 °C; tanks 70-80 °C

Typical procedure of a MULTICLEAN-F cleaning and degreasing cycle for parts cleaning under vacuum with chlorinated or non-halogenated solvents:

- **Depression**
 After closing the process compartment door and seal test the compartment is evacuated to system pressure.
- **Pre-wash from reservoir 1**
 With a small volume of solvent from reservoir 1, oil sticky parts can easily be pre-washed. Now the dirt solvent is pumped directly in the distill.
 The missing volume in reservoir 1 is refilled from condensate of the distill.
- **Wash from reservoir 1**
 My means of a pump solvent is filled in the process compartment. The goods are flooded from above through a special slot at the top of the compartment over the whole length of the load. At the end of the wash cycle the solvent is pumped back in the reservoir 1.
- **Post-wash from reservoir 1**
 A short spray operation rinses the parts and removes particles from the surface and cleans the outlet of the chamber.
- **Rinse from reservoir 2/3 (option)**
 As above, but with solvent from reservoir 2/3.
- **Vapor degreasing**
 Pure solvent vapor is conducted directly from the distill to the process compartment and condenses on the cooler parts. Thus the residual oil film is completely removed and further the parts are heated (advantage for the following vacuum drying).
- **Protection (option)**
 Like process step washing, but with a special anti-corrosion inhibitor mixed to the reservoir.
- **Vacuum drying**
 By further depression of the process compartment the solvent evaporates from the parts. Afterwards the chamber is aerated to ambient atmosphere.
- **Fresh air risne + concentration-measuring**
 The air of the process compartment is conducted in a closed loop to the adsorber and back till the gaz analyzer indicates that the limiting value is passed and the cleaning cycle is finished.