

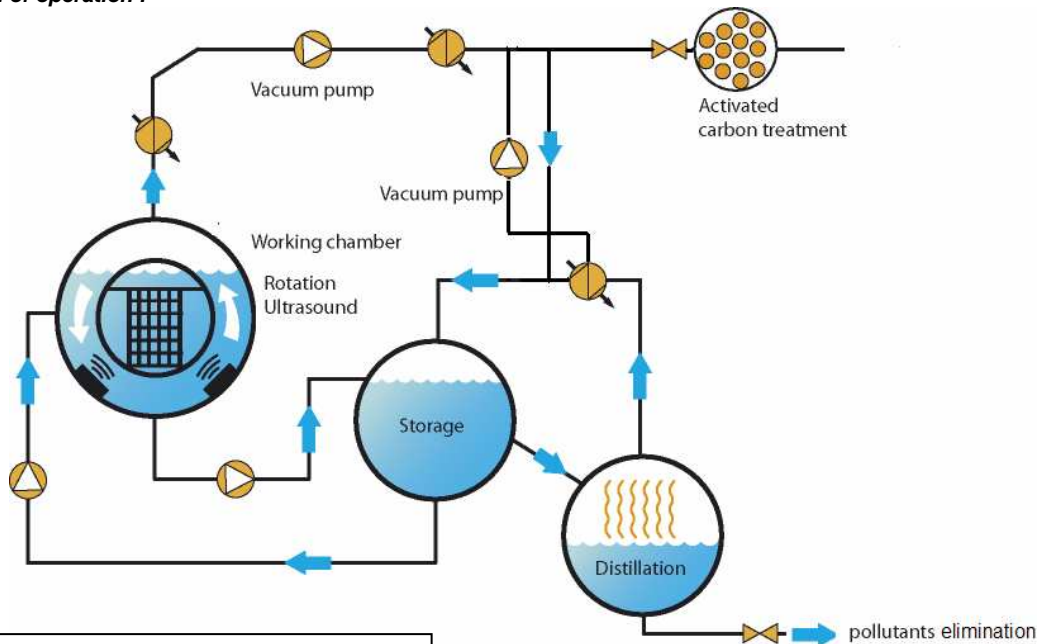
MACHINE FILE - UDP

This is an industry standard process using Perchloroethylene in a vacuum sealed chamber.

Applications :

Removal of oil, grease, particles ...

Principal of operation :



Standard cleaning cycle :

- 1) Immersion cleaning plus ultrasonic agitation
- 2) Immersion rinsing plus ultrasonic agitation
- 3) Vapour rinsing
- 4) Primary vacuum drying



UDP 40 machine with manual load



UDP 120 machine with load/unload conveyors

TECHNICAL FILE - UDP

Machine characteristics :

| | UDP 40 | UDP 120 | UDP 240 |
|---------------------------------|--|--|--|
| Working tank volume (litres) | 40 | 120 | 240 |
| Basket dimensions paniers (mm) | 1 machining tote pan 410 x 230 x 140 mm | 2 machining tote pans 410 x 230 x 140 mm ou 320 x 220 x 150 mm | 4 machining tote pans 410 x 230 x 140 mm ou 320 x 220 x 150 mm |
| Machine dimensions * (mm) | 2400 x 1300 x 2200 mm | 3000 x 2000 x 2200 mm | 4500 x 1550 x 2750 mm |
| Maximum charge load (kg) | 50 | 100 | 200 |
| Maximum solvent volume (litres) | 95 | 350 | 600 |
| Cycle time (cycles/hour) | 3-4 | 8-12 | 5-8 |
| Ultrasonic power output (W) | 1200 | 1800 | 2400 |
| Distillation power rating (kW) | 4 | 12 | 18 |
| Overall power rating (kW) | 15 | 35 | 70 |

* excluding conveyor and electrical cabinet

Standard equipment :

Ultrasonic equipment – see table for power output, frequency 25 - 40 kHz.
 Electrical heating – see table for power output
 Temperature control with digital display, mounting tray
 Integrated cooling water system (-15°C)
 Tank construction – stainless steel (AISI 316 L), thickness: 20/10 mm for holding and distillation tanks;), thickness: 30/10 mm for working tank; deburr after welding
 Heating tanks – fibreglass insulation, thickness 50 mm
 Machine frame – profiled semi-hardened steel, anti-rust paint colour: grey (RAL 7037), adjustable feet
 Cover panels – steel sheeting, epoxy paint, colour: grey (RAL 7035)
 Integrated chiller unit
 PLC controller - supplier: Télémécanique (Siemens or Allen Bradley if requested)
 Process parameter display on XBT-GT screen
 Active carbon filter system

Options :

Automatic load and unload from a conveyor system
 Baskets
 Secondary distillation
 Holding tank filters
 Chiller unit 5 - 10°C

Electrical supply :

400 volts tri-phase + Neutral + Earth, see table for power rating

Sound level :

Estimated: 80 dBA (dependent upon options)

Safety standards :

Manufactured according to European Directive 2006/42/CE
 Standards NF EN 12921 regarding cleaning equipment
 CE marking