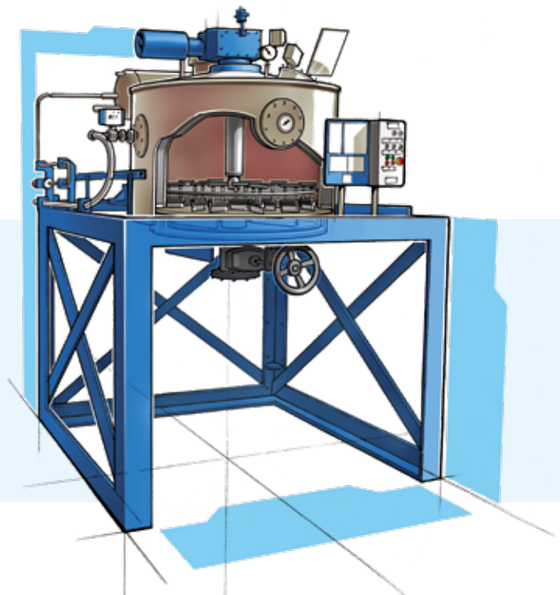
Model ROTOmaX-e

- Cylindrical, vacuum-tight distillation boiler consisting of an insulated dome (stainless steel) with a heating floor (standard steel) flanged to the bottom
- Insulated, flat heating floor for heating with steam (10 bars, 185°C max.), consisting of a double-walled plate; the floor ensures an excellent heat transfer and full heating capacity regardless of the solvent level in the boiler
- Steam generator flanged to the heating floor, operated with electric power or with steam or thermal oil from an on-site network. Direct heating of the floor with steam or warm water is also possible
- Water-cooled stainless steel condenser
- Rotating scraper system (rotor), prevents deposit build-up on the heating floor, agitates the material to be distilled and keeps the discharge valve clean
- Dirt-resistant discharge valve, operated manually or pneumatically
- The unit rests on a robust frame
- The discharge height is adapted to the disposal container and/or a 200-l-barrel (on a pallet). Other heights are possible
- A viewing glass and an explosion-proof halogen lamp permit operators to observe the distillation process via mirrors
- Automatic filling stop when the preselected filling quantity is reached; the process is monitored by load cells that register the total weight of the distillation boiler; filling is stopped by a pneumatic ball valve in the filling line
- Batch distillation or continuous distillation
- Control of the heating temperature according to the boiling temperature
- PLC system and display with readings on heating temperature, filling quantity, refill quantity, discharge quantity and distillate quantity

Accessories

- Vacuum unit for lowering process temperatures, incl. a liquid jet vacuum pump
- Residue temperature control system for processing of heat-sensitive substances
- Sealing plate or sealing hood adapted to the on-site disposal container, optionally with an air extraction system
- Thermostatic valves if the unit is connected to an on-site cooling/public water system; separate cooling water devices with their own circuits are available as option

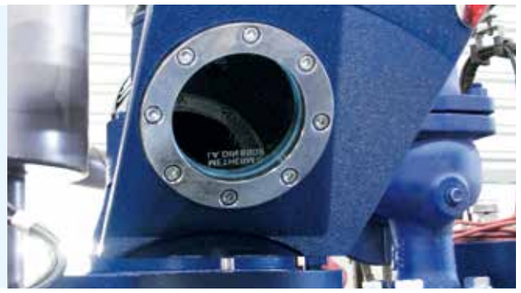


ROTOmaX-e

Distillation unit	ROTOmaX-e 15	ROTOmaX-e 20	ROTOmaX-e 30
Capacity l	approx. 50 – 200	approx. 50 – 250	approx. 70 – 400
Boiler capacity l	approx. 350	approx. 450	approx. 750
Distillation output l/h *	approx. 45 – 90	approx. 60 – 120	approx. 90 – 180
Cooling water consumption m³/h **	approx. 1.5	approx. 2.0	approx. 3.0
Heating capacity kW	15	20	30
Weight kg ***	2000	2000	2300
	W x H x D	W x H x D	W x H x D
Dimensions mm **	1500 x 3100 x 1900	1500 x 3100 x 1900	1700 x 3200 x 2100
Required space mm **	4500 x 3400 x 4000	4500 x 3400 x 4000	4500 x 3400 x 4200
Transport clearance mm **	1700 x 2200 x 2000	1700 x 2200 x 2000	1800 x 2400 x 2300

* Output depends on the solvent

** If water from a public system is used; depends on the water temperature and the boiling point of the solvent; a closed cooling circuit with zero water consumption is possible

*** Standard version without accessories or solvent containers

* Subject to technical changes