



Home - Solutions & Products - Solutions - [Laboratory Plants](#)

## Laboratory Plants

UIC laboratory plants are preferably used in research and development laboratories where they are applied in a wide range of distillation tasks. They are of a modular structure and allow flexible adjustment to a variety of tasks. Our smallest lab plants, with flows of only approx. 100 grams per hour, are especially suitable for research in which only small volumes of a mixture are available. In contrast, our larger lab plants can also be used for a small scale production of up to 10 kilograms per hour.

The core components of all our lab plants are made of borosilicate glass. This is chemically inert and also resistant to corrosive media. An important benefit of a glass system is the possibility of direct observation of the distillation process. Our lab plants are heated by thermal oil. Maximum evaporation temperatures achievable are between 250°C and 350°C, depending on the respective model involved. Minimum pressures of 0.001 mbar can be achieved depending on the feed product and the vacuum system selected.

### Your Benefits:

- > UIC lab plants can be started after quick set up, and are easy and simple to operate
- > Our lab plants can be quickly dismantled and cleaned – this ensures short set-up times
- > High-precision plant components generate reproducible test results

### Standard glass evaporators:

		KDL 1	KDL 5	DSL 5	KDL 10	KDL 30
<b>Feed</b>	g/h	100 - 400	200 - 2.000	200 - 2.000	1.000 - 4.000	2.500 - 10.000
<b>Design*</b>		SPD	SPD	RF	SPD	SPD
<b>max. evaporator temperature</b>	°C	250	350	250	250	250

\* SPD = Short Path Distillator, RF = Thin Film Evaporator

