

Research & Product Development Unit

Ready to Connect & Operate

5 l/1000 bar



GIVE YOUR IDEA A CHANCE

GO FOR NATURE . . .

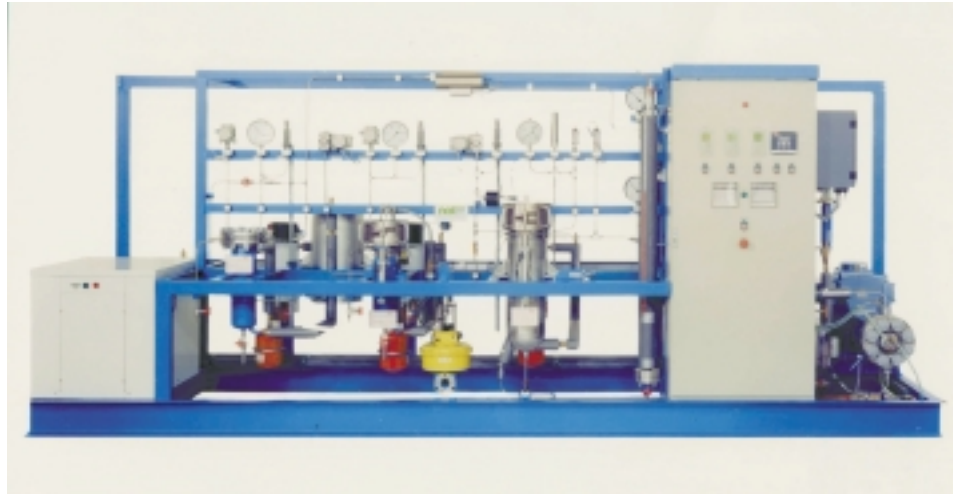
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matex
PROZESSTECHNOLOGIE

Highlights of our Research Units

Design and workmanship of our research unit are the result of continuous investigations and research work in the area of high-pressure extraction (supercritical fluid extraction) since 1982 and its consequent adaptation to various requirements.

We offer a professional unit with nearly unlimited research possibilities covering all requirements.



Advantages and Features:

- Integration of experience and know how gained over many years through industrial scale orders
- Extraction pressure up to 1000 bar, practically no pressure limitation
- Warranty of reproducible test series at most variable conditions
- Optimal size for the production of extract samples from low bulk density material as well as feed with insignificant yields
- Extractor equipped with a quick acting closure system allowing easy and fast charging of the basket
- First separator equipped with a clamp closure allowing quick opening for cleaning
- Basket of specific design preventing carry-over of solid particles and equipped with a safety device avoiding over pressure within the basket in case of clogging
- Fractionated separation (two-step separation)
- Flexible raw material consumption using different sizes of baskets
- Each vessel equipped with an automatic electronic temperature control enabling independent and accurate temperature adjustment
- Extractor and separator equipped with electronic pressure controls, pressurization and depressurization of the plant by means of a pressure ramp
- Density independent CO₂ flow control, mass flow control by frequency changer

- Permanent supervision of the plant is not necessary due to automation
- Only industrially approved controls are used
- Complete unit assembled in a steel frame
- Easy access for service and maintenance
- Container transport is possible
- Appropriate price/performance ratio
- Modifications according to client's demand are possible

Plant Description

Package-unit, assembled in a compact steel frame and designed for easy access for maintenance, service and cleaning. Extractors equipped with a quick acting NATEX closure system.

Baskets of specific design with safety device.

First separator with clamp closure. Individual heating/cooling system.

For further information please contact:

NATEX

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