

Система экстракции EF-6P

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Россия +7(495)268-04-70

Казахстан +(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: gra@nt-rt.ru || сайт: <https://rayra.nt-rt.ru/>

Cold fat extractor



INTENDED USE

- + **DESIGNED FOR COLD FAT EXTRACTION PROCEDURES WITH ACETONE OR OTHER NON-POLAR ORGANIC SOLVENTS.**
- + **PRELIMINARY SAMPLE DEGREASING BEFORE HOT FIBRE EXTRACTION.**

FEATURES

- Extraction system with 6 extraction places with 6 independent extraction valves.
- External case made of AISI 304 stainless steel painted with epoxy resin.
- Connection with integrated peristaltic pump with independent activation switch to apply negative pressure and accelerate extraction.
- Integrated connection with F-6P equipment to apply positive pressure on the bottom of the sample, break compact clumps formed during filtration and accelerate extraction.
- Optional solvent recovery.
- Gaskets made of EPDM and connection hoses made of GSR compatible only with acetone and other nonpolar organic solvents.

RECOMMENDED SETTING AND APPLICATIONS

- Food analysis laboratories specialised in macronutrient analysis. The equipment is designed to be used in conjunction with our F-6P Hot Fibre Extractor to preliminary degrease samples before hot fibre extraction procedures. As a standalone, **EF-6P** can be used as a fat extractor with solvents such as acetone or other non-polar organic solvents.
- Suitable for degreasing processes of samples with a fat content of more than 1% and especially recommended for samples containing +10% of fat content.

SUPPLIED WITH THE FOLLOWING COMPONENTS:

- Crucibles set of 6 units.
- Tong for a simultaneous manipulation of 6 crucibles.
- Several connection hoses.
- Several connection hoses clamps.

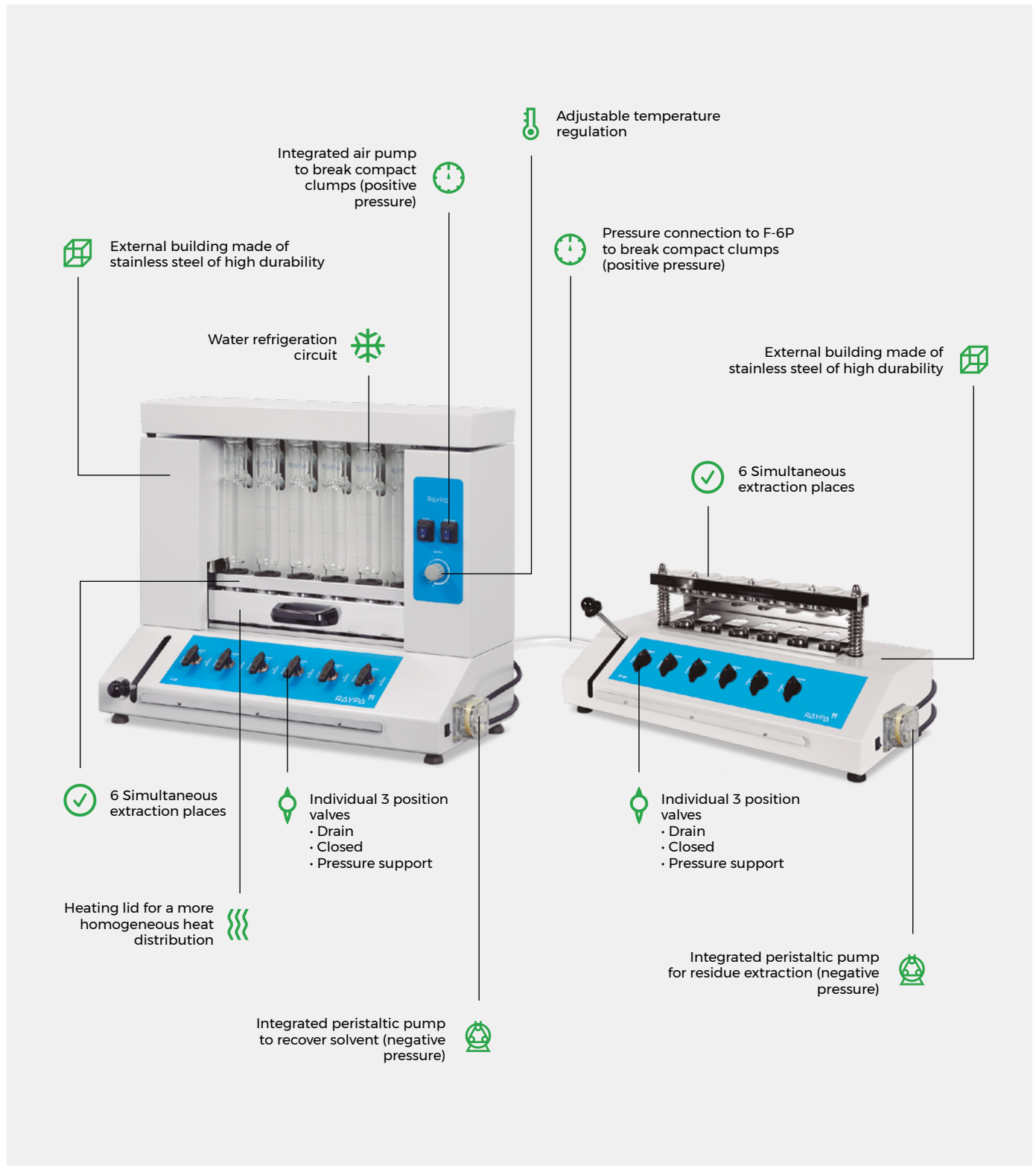
Accessories

CRUCIBLES SET

Reference	CR-P2
Dimensions Ø x H mm	34 x 60
Material	Pyrex® glass
Porosity grade	P2
Nominal porosity µm	40-90
Quantity units	6



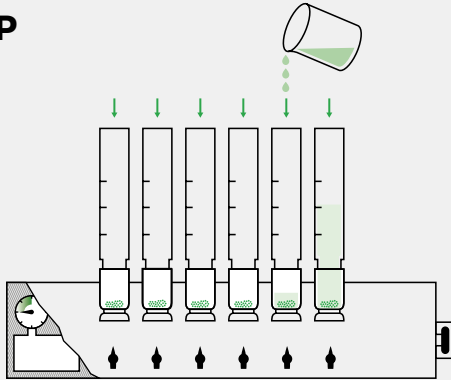
MAIN FEATURES OF OUR SOLUTION FOR FIBRE EXTRACTIONS



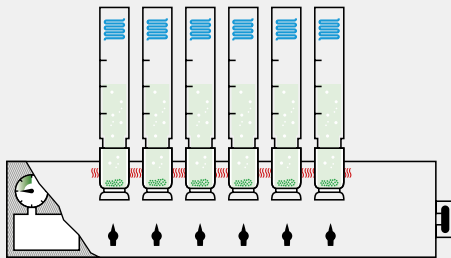
Cold fat extractor

EXTRACTION STEPS FOR F-6P & EF-6P

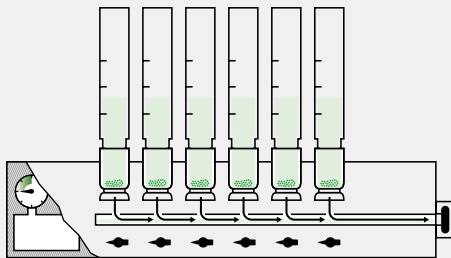
F-6P



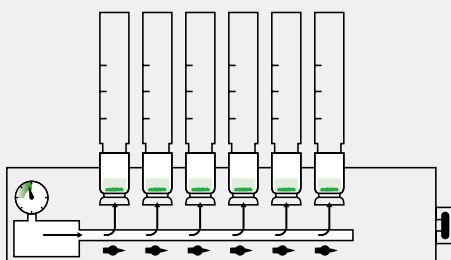
1. Solvent addition.



2. Sample mixing with solvent at boiling temperature and refrigeration circuit turned on.

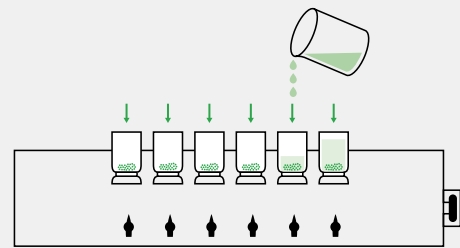


3. Vacuum-assisted filtration with the integrated peristaltic pump, solvent and residue can be recovered.

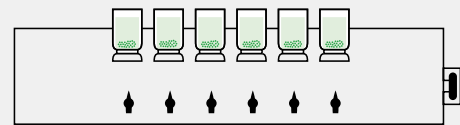


During filtration, it may be necessary to break compact clumps using the integrated air pump.

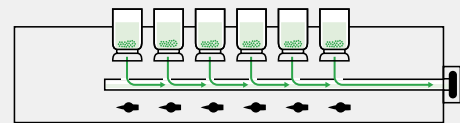
EF-6P



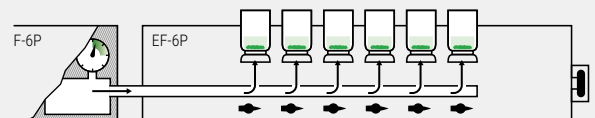
1. Solvent addition.



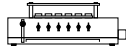
2. Sample mixing with solvent at room temperature.



3. Vacuum-assisted filtration with the integrated peristaltic pump, solvent can be recovered.



During filtration, it may be necessary to break compact clumps using F-6P's air pump connection.



Specifications

Reference	EF-6P
External dimensions L x D x H mm	724 x 380 x 315
Power W	100
Voltage* V	230
Weight Kg	13
Frequency Hz	50/60
Maximum number of samples per test	6
Dimensions of glass crucible Ø x H mm	34 x 60

*Other voltages and electrical configurations available on request.

Regulations

Our EF-6P cold fat extraction system is designed to comply with the strictest international directives and standards, including the following:

- **EN-61010-1** Safety requirements for electrical equipment for measurement, control and laboratory use. **Part 1:** General requirements.
- **EN-61010-2-010 Part 2-010:** Particular requirements for laboratory equipment for the heating of materials.
- **EN-61326** Electrical equipment for measurement, control and laboratory use. EMC Requirements.
- **2014/35/UE** Low voltage.
- **2014/30/UE** Electromagnetic compatibility.

International standardized methods

EF-6P cold fat extraction system is fabricated guaranteeing compliance with a variety of international standards such as AOAC, ISO, EPA and DIN.

Warning

It is recommended to use the equipment inside a fumes hood at all times while working with hazardous solvents. For some solvents, such as acetone, fumes hood is not necessary. In case of doubt, please contact us and our team will offer expert guidance.

Main fields of application

FOOD AND FEED INDUSTRY



FORAGE



PET FOOD



CEREALS

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