

Solvent extractors

SER 148/3

The SER 148/3 unit allows a substance or group of substances to be quantitatively separated (e.g. fat) from a mixture of solids or semisolids. Extraction is carried out in accordance with the Randall technique, which works in two phases (plus one to recover the distilled solvent).

This technique offers protection against atmospheric pollution, and cuts analysis costs and extraction time. The instrument, designed to optimize ease of handling, is provided with a microprocessor allowing up to 29 different work programs to be set. The operational phases set will be carried out in sequence with the temperature and remaining time constantly shown on two different displays.

The analyses are performed in absolute safety thanks to its IP55 protection rating.

The main fields of application include analysis of food products, animal feeds, detergents, rubber and plastic formulations, pharmaceutical products, soils, etc. for the content of soluble products such as fats, detergents, plasticizers and pesticides.



Technical data:

GENERAL FEATURES

Construction material:	epoxy painted stainless steel structure
Number of programs:	29
Number of samples:	3
Max volume extraction cup:	150 ml
2 Display:	working temperature / settable parameters
Power:	500 W
Power supply:	115 V or 230 V / 50-60 Hz
Weight:	30 Kg (66 lb)
Dimension (WxHxD):	480x620x390 mm (18.9x24.4x15.4 in)

PERFORMANCES

Solvent recovery:	from 50 to 75%
Reproducibility (RSD):	≤ 1%

CONSUMPTIONS

Cooling water:	8 l/min
Sample quantity:	from 0,5 to 15 g (generally 2-3 g)
Solvent volume:	from 30 to 100 ml

SETTABLE PROGRAMS AND VALUES

Working temperature:	from 100 to 260°C
Immersion time:	from 0 to 999 minutes
Washing time:	from 0 to 999 minutes
Recovery time:	from 0 to 999 minutes

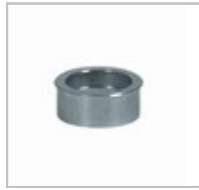
Complete of :



3 Extractions cups



Extraction thimbles 33 x 80 ml, 25 pcs/box



3 Extractions thimbles holders



Inlet tube



Heat shield



3 Butyl seals



3 Viton seals

Optional Accessories:



Thimble weighing cup



Extraction cup, 6 pcs/box



Vafalon seal



Printer



Serial cable

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