



Draining rack



Kartell's Draining Rack (Art.213) is now supplied with the pack of 11 narrow diameter pegs along with the usual pack of 72 larger diameter pegs.

The back plate of the 72-place support rack is made from a single mould of 4 mm rigid high-impact polystyrene. The rack has peg sockets with closed ends eliminating leakage and consequent biohazards. The seamless drip channel collects waste which drains via the drain tube provided. The rack comes

with 72 push-in pegs which can accommodate items with a neck bore in excess of 15 mm. These are easily removable for cleaning or to accommodate odd-shaped items.

The 11 smaller pegs are suitable for small diameter items such as test tubes and will accommodate items with a neck bore in excess of 6 mm. Packs of spare pegs are available separately.

The draining rack will not rust or stain and comes complete with mounting kit, draining hose and fixing template. Additional racks can be joined together to make a bank of racks, using the joining plugs provided.

Sieper & Co Pty Ltd

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X-ray fluorescence sample prep

The Eagon 2 fully automated fusion instrument for fused bead sample preparation is suitable for users of X-ray fluorescence spectrometry.

The design combines all the advantages of gas burner and muffle furnace technology in a system that does not require costly gas supplies, cooling water or compressed air. It requires a simple electrical connection, making it economical with low operating costs.




The system's automated functions give accurate repetition of the fusion cycle. Preparation conditions are optimised for all sample materials and a predefined method library is provided. A 'cold-to-cold' operation cycle protects users from hot materials and surfaces at all times and the instrument's outer doors are safety interlocked throughout the fusion cycle to shield operators from moving parts.

Sample preparation is an essential stage in the analysis process. Methodology is highly dependent on sample type: eg, rocks and ore, cement, clinker or slag. The instrument delivers push-button optimisation of temperature setting, duration, oxidation steps, mixing and cooling - preparing an accurate fused bead sample every time.

With high-performance furnace technology, the system is inherently safe as well as simple to use and allows accurate fusion-based sample preparation even for non-specialists. Consultancy and training, from sample to result, are also available.

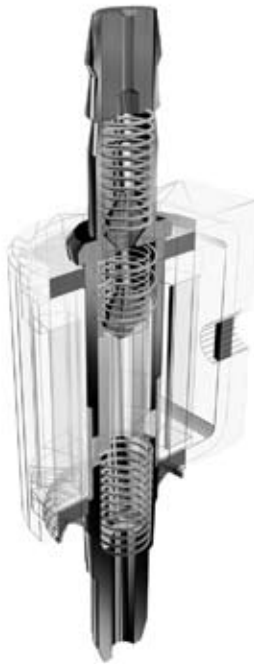
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Preparative LC pump

Shimadzu Scientific Instruments has introduced the next-generation LC-20AP Preparative LC Pump, which can be used for analytical, semi-prep and prep LC applications without changing pump heads.

The wide flow rate range (0.01 to 150 mL/min) with high pressure tolerance (6000 psi up to 100 mL/min and 4350 psi up to 150 mL/min) makes it possible to use 50 mmID x 250 mmL 5 µm-particle size columns to achieve high-resolution and high-efficiency purification and improve productivity by five to 10 times over the previous models.

The flow rate accuracy and precision were improved by minimising dead volume in the pump heads and using higher resolution micro-stepping motor control so that the pump can be used at an analytical flow rate range, such as 1 mL/min, with high reliability.

Overall productivity and quality of the purification has also been improved. If configured as an analytical/prep system, a user can develop a method at analytical scale then immediately convert the method for prep scale.

Shimadzu provides a tool to easily convert methods between analytical and prep for support customers. In addition, the LC-20AP pump can be used with Open Solution automated prep LC/MS software, which allows researchers to purify their compounds by simplifying the workflow in a walk-up environment.

Shimadzu has also responded to environmental concerns. LC-20AP consumes 40% less energy in comparison with the previous model due to a newly designed, high-efficiency power supply and motor control electronics.

Shimadzu Scientific Instruments (Oceania) Pty Ltd

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