



Column protection filter device

Phenomenex has added the KrudKatcher Ultra to its series of column protection devices.

The KrudKatcher Ultra is rated up to 1375 bar, making it compatible with the highest pressure UHPLC columns and with the Kinetex core-shell line. The device filters and removes microparticulates from the LC flow stream, protecting the column and ensuring longer product life.

KrudKatcher is claimed to produce lower dead volumes than other protection devices and features a universal fit that can be used with columns from 1.0 to 4.6 mm in diameter. The filter body houses an integrated 0.5 μm 316 stainless steel filter element that efficiently removes microparticulates from the flow stream without contributing to system backpressure or dead volume ($<0.2 \mu\text{L}$).

Phenomenex Australia

Contact info and more items like this at wf.net.au/C780

Compact balance

The EJ Compact Balance series can be customised to display multiple weighing units, as well as a counting and percentage facility.

The Density Determination calculation mode is used in conjunction with the optional Density Determination Kit and fitting optional extras such as the breeze break and the density determination kit is a 'slide on-slide off' task.

Battery operation is available using 4 x AA batteries and a charge indicator in the balance displays the available battery charge.

A&D Australasia Pty Ltd

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Ducted vs ductless fume cupboards

Gallay Medical & Scientific is often asked for advice relating to fume extraction. What are the key differences between ducted and ductless fume hoods? Do ducted fume cupboards deserve their 'energy hog' reputation? And what are the benefits of choosing a ductless fume cabinet?

Advances in carbon filtration technology mean ductless systems are now more able to compete in increasingly high-volume workplaces; previously, extremely high filtration requirements necessitated an externally ducted system.

Instead of purging air-conditioned and contaminated exhaust air into the atmosphere, a ductless system recycles pristine air throughout the workplace. Electricity savings are possible with a ductless system as conditioned air stays within the building.

In addition to these benefits, a Captair ductless fume cabinet can be easily installed by laboratory staff and does not require extensive planning or site modifications. With the addition of the Captair ESP maintenance program, users can receive an even higher level of protection.

Gallay Medical & Scientific Pty Ltd

Contact info and more items like this at wf.net.au/C880

Nano LC

Dionex has introduced the nanoViper fitting, a 100 MPa compatible, finger-tight fitting to be used with nano LC systems and nano and capillary columns.

The fitting does not rely on ferrules or ferrule-shaped parts to tighten to high- and ultra-high-pressure instruments. It provides correct fitting for each use, ensures zero dead-volume connections and fits any common column hardware or injection/switching valve platform.

The fitting is designed to prevent capillaries from slipping away from the column inlet even under ultra-high pressures, ensuring long-term, robust and zero-dead-volume operation. It is claimed to reconnect easily between different column hardware and features an integrated, removable tool to tighten without force and is suitable for small spaces such as the connections of a 10-port valve, once the integrated tool is removed.

Dionex Pty Ltd

Contact info and more items like this at wf.net.au/C765



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