

CombiFlash[®] R_f

NEW!

Internal Integration of Evaporative Light Scattering Detection



CombiFlash Rf 200i —
the smallest Flash system with integrated UV,
UV-Vis and ELSD detection.

Minimize bench space footprint (Reduce
system footprint by 30%)

Maximize detection with UV-vis, All-
wavelength, and ELSD technology (Equivalent to using
external ELSD detector)

Optimize detection of compounds with little
or no chromophores such as carbohydrates, steroids, and
lipids

Smallest Footprint of any Flash + ELSD System



TELEDYNE ISCO
A Teledyne Technologies Company

Call your local representative or the factory:

Toll Free USA and Canada: 800.228.4373

International: +1.402.464.0231

Fax: 402.465.3022

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CombiFlash[®] R_f

Patented ELSD Technology

Specifications

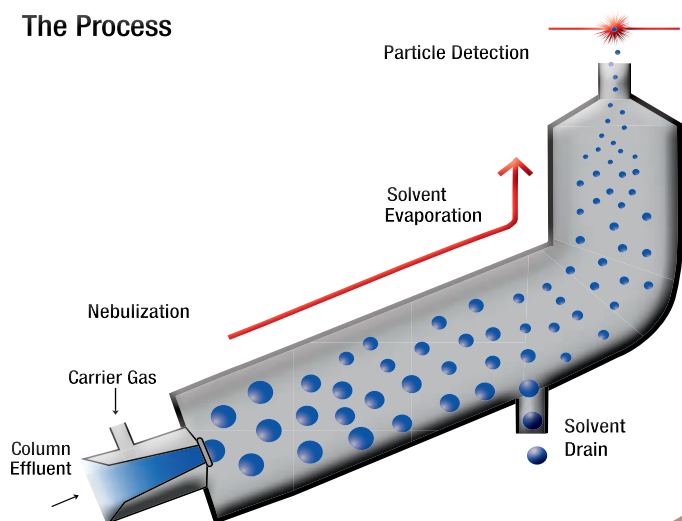
Flow Range	5 - 200 mL/min
Maximum Pressure	200 psi (14 bar)
Detection	UV (UV-Vis optional) + ELSD
Spray Chamber Temperature	Ambient to 120 °C
Drift Tube Temp	10 °C to 70 °C
Gas Requirements	65 psi (4.6 bar) ± 5 psi (.3 bar) Nitrogen to other inert gas
Dimensions	24" (60.96 cm) H x 14.1" (35.814 cm) W x 17" (43.18 cm) D

Teledyne Isco's Rf200i Flash Chromatography System with integrated ELSD improves the detection of compounds with little to no UV chromophore. When purifying your compounds, this system gives you greater detection sensitivity for complex separations.

The ELSD withdraws a minuscule portion of the liquid eluting from the chromatographic column. This fluid is then nebulized using a stream of inert gas that forms an aerosol cloud of solvent droplets containing your compound. The aerosol cloud is then evaporated, leaving particles of dried compound.

The gas stream carries these particles to the detector where a laser light illuminates the gas stream. When compound is present, the particles cause the light beam to scatter, indicating its presence and creating a detector signal.

The Process



Ordering Information

68-5230-010

Rf200i with both integrated ELSD and UV Detectors

68-5230-011

Rf200i with both integrated ELSD and UV/Vis Detectors



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