



## C+ Centrifuge Module for Fully Automated Sample Preparation Clarification

SOTAX TPW and APW Automated Sample Preparation Work Stations already include robust sample filtration capabilities. However, several sample preparation methods require centrifugation as primary mode for sample clarification, for example in Pharma, Food/Feed, Fine Chemical, and Cosmetics Industries.

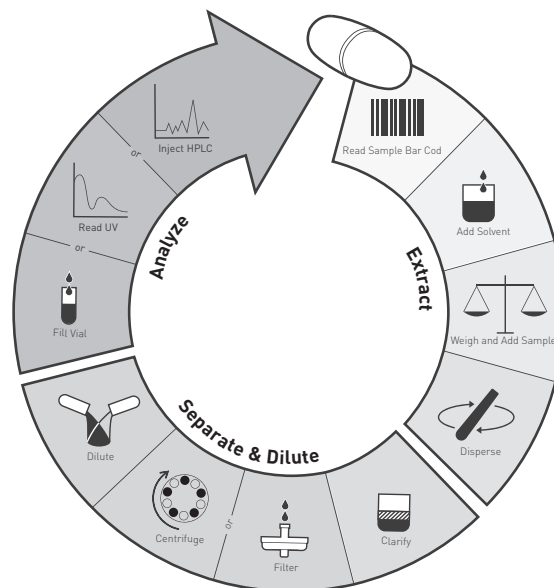
There are many cases where the addition of this step will help to solve the challenge of samples that require centrifugation or centrifugation followed by filtration. The new C+ addition is an automated centrifuge module providing enhanced sample clarification capabilities during fully automated sample preparations.

- Lotions, pastes, ointments
- Polymer-heavy tablet formulations
- Hormone formulations
- Food science applications
- Suspensions

## Automated Sample Preparation Steps

TPW and APW workstations automate the most common sample preparation steps:

- Barcode identification
- Sample weighing
- Solvent addition
- Dispersion
- Filtration / centrifugation
- Dilution / reagent addition
- Vortex mixing
- Vial filling
- Online HPLC injection with Empower
- Transfer to UV cell



## C+ Centrifuge Addition

For challenging samples requiring centrifugation or centrifugation followed by filtration, the C+ addition provides enhanced sample clarification capabilities.

Two additional modules, a service robot and a high quality Hettich centrifuge, automate the complete sample preparation process.

The Hettich benchtop centrifuge is available as a standalone system or connected to the fully automated sample preparation systems. Combined with the C+, it will elegantly handle the entire centrifuge process including robotic transfer of tubes to and from TPW / APW, automated speed, time and temperature control, and automated tube "balancing" for uneven sample numbers / weight. The C+ can be ordered with all new TPW / APW systems and is an upgradable addition to existing units.



→ Hettich ROTINA 380 centrifuge

## Technical Specifications

C+ module configurations	With cooled centrifuge: Hettich centrifuge model ROTINA 380 R (refrigerated, -20 to +40 °C)
	With non-cooled centrifuge: Hettich centrifuge model ROTINA 380
Max rpm (speed)	5'100 rpm
Centrifuge design	Benchtop
Buckets	Designed for 16x100 TPW/APW tubes
Tubes & Capping	Nalgene Polypropylene: <ul style="list-style-type: none"> <li>• Compatible with method, centrifuge, and TPW / APW</li> <li>• Capped Tubes</li> </ul>



→ Centrifuge bucket with tubes