Offline System Caleva FC 10+

(storage, media replacement and HPLC membrane piercing)

1. Sample Transfer Pump,
(Peristaltic Pump)

With the standard CALEVA 8-channel peristaltic pump (IPC 8) the sample is taken from the test vessel and pumped through the tubing back to the vessel until the complete tubing is filled with media and therefore all air is eliminated. Then a 3-way valve in the Fraction Collector is switched and the required amount of media is sampled into glass tubes or HPLC Vials (accuracy ± 5%). After completion of the sampling process the tubing is automatically emptied.

Pump tubings are made of Verderprene (similar to Teflon) to prevent the absorption previously associated with peristaltic pumps and PVC tubing.

Via the serial RS 232 interface the pump is controlled from the FC 10+.

- 8-channel Peristaltic Pump
- Dosing accuracy of volume ± 5%
- RS 232 serial interface
- Touch sensitive keys and LC display
- Verderprene tubing for elimination of absorption of active ingredients by PVC tubing

2. Autosampler, FC 10+

The FC 10+ with x/y-driven sampling arm and integrated 3-way valves was designed to meet nearly all users sampling requirements such as storage of the samples, media replacement (accuracy for sampling and replacement ± 5%) and HPLC Vial membrane piercing. In combination with an CALEVA Dissolution Tester, the upgraded Programme Menu (“i”-Version) for Offline control and the before mentioned Peristaltic Pump, the system offers storage in either glass tubes (24x 8 of 10.0 or 16x 8 of 25.0 ml volume) or sealed/ un-sealed HPLC Vials (24x8 of 1.2/4.0 ml volume).

- Stores up to 24 sampling cycles
- Samples into tubes (10.0 or 25.0 ml)
- Samples into sealed or unsealed HPLC Vials (1.2 or 4.0 ml max. volume)
- Media replacement to stay within the USP/EP specified media volume tolerance
- Integrated container for replacement media, incl. 1-channel peristaltic pump to refill the integrated container from an external one after each process
- Drawer system for easy load/remove of the rack/s

3. System Tubing

System tubing, complete with tubing and connectors, Teflon or Verderprene

4. System Pre-Configuration

Control and pre-configuration of the complete system at the Caleva laboratory. Control of function and numbering of all tubes and interface cables for easy connection at the customers site.

5. System Control

Upgraded programme menu (“i”-version) for control via the Dissolution Tester of a complete Offline-System including CALEVA Sample Transfer Pump and Fraction Collector.

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