SP400

PAL3 option for SPME fiber conditioning

CHROMTECH SP400 thermally cleans SPME fibers under carrier gas after extraction and desorption. Ready for the next sample run with PAL3.



SP400 - CHROMTECH PAL3 option

CONCEPT

After analytical desorption, the fiber is thermally conditioned under carrier gas in SP400. Residues are removed and potential carryover into the following sample is reduced.

The station complements automated SPME workflows as a CHROMTECH PAL3 option.

AUTOMATED WORKFLOW

- **Extraction**
  SPME fiber enriches compounds from the sample
- **Desorb**
  Compounds are released in the GC inlet
- **Conditioning**
  SP400 thermally cleans the fiber under carrier gas
- **Continue**
  Fiber prepared for the next sample

YOUR BENEFITS

Reduced carryover

Conditioning between samples reduces residues on the fiber.

Gas flow on demand

A mechanical pressure switch releases the gas flow only when the fiber is inserted.

Adjustable gas flow

Control valve for adjustment independently of the inlet gas pressure.

INTEGRATION

Control is provided by PAL3 and any PAL control software. We match integration to the system and method.

Also for older PAL systems

Available for Combi PAL and PAL-xt as a retrofit or as part of CHROMTECH SPME Kit 3.

Product photo with background removed.

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