

L LABORATORY

P PROCESS

S SOFTWARE

A AUTOMATION



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Autofilt Z

Automatic Pressure Filtration Unit

Environment-friendly sample preparation
perfect for NIR-Polarimeters



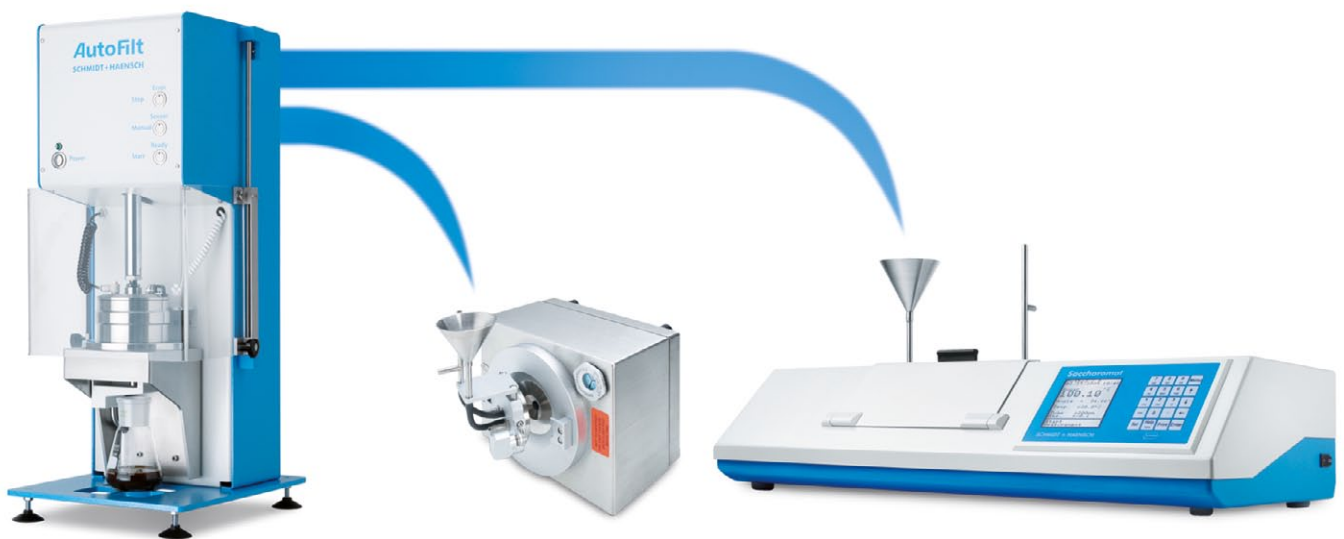
SPECIFICATIONS

Autofilt Z

Filtration pres. adjustable	Max. 5 bar or 0.5 MPa
Probe volume	Approx. 250 ml
Filtrated sample volume	50 ml sensor controlled
Environmental temperature	+10°C to +40°C (50°F to 104°F)
Supply - pressurized air	Max. 10 bar or 1 MPa
Supply - pressurized air tube	Outer diameter 6 mm
Supply - waste water tube	Inner diameter 16 mm
Supply - power	100 to 240 VAC, 47 to 64 Hz, 40 W

Highlights

Autofilt Z is a follow-up development of the semi-automatic filtration unit Autofilt; fastest sample filtration for lab use; Filtration units are a complement to NIR-Polarimeters for lead-free sample preparation of first pressed juice (sugar beets and sugar canes); AutoFilt Z allows easy and fast filtration of turbid and high coloured samples; the filtration time is shortened drastically; samples are prepared without using environmentally hazardous clarification chemicals; the advanced sensor and processor based system is discarding pre- and post-filtrate fractions and provides a high quality filtrate; first filtrate portion, which can contain suspended matters and particles, is discarded as well as the third filtration portion often accompanied with foam; resulting high quality filtrate features constant sample volumes independent of the operator, sample viscosity and turbidity



Autofilt Z Applications

Autofilt Z is mainly intended for use in modern, environmental sensitive sugar laboratories. Environment-friendly, lead-free sample preparation of the first pressed juice (sugar beets and sugar cane).

Typical applications of the model

- Sugar industry



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Schmidt + Haensch GmbH & Co.

Waldstraße 80-81, 13403 Berlin, Germany
Phone: + 49 (0 30) 417072-0, Fax: + 49 (0 30) 417072-99
sales@schmidt-haensch.de, www.schmidt-haensch.com



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