

- L** LABORATORY
- P** PROCESS
- S** SOFTWARE
- A** AUTOMATION

# AutoFilt Z

## Automatic Pressure Filtration Unit

Our fully automatic, environmentally-friendly pressure filtration system for lead-free sample preparation



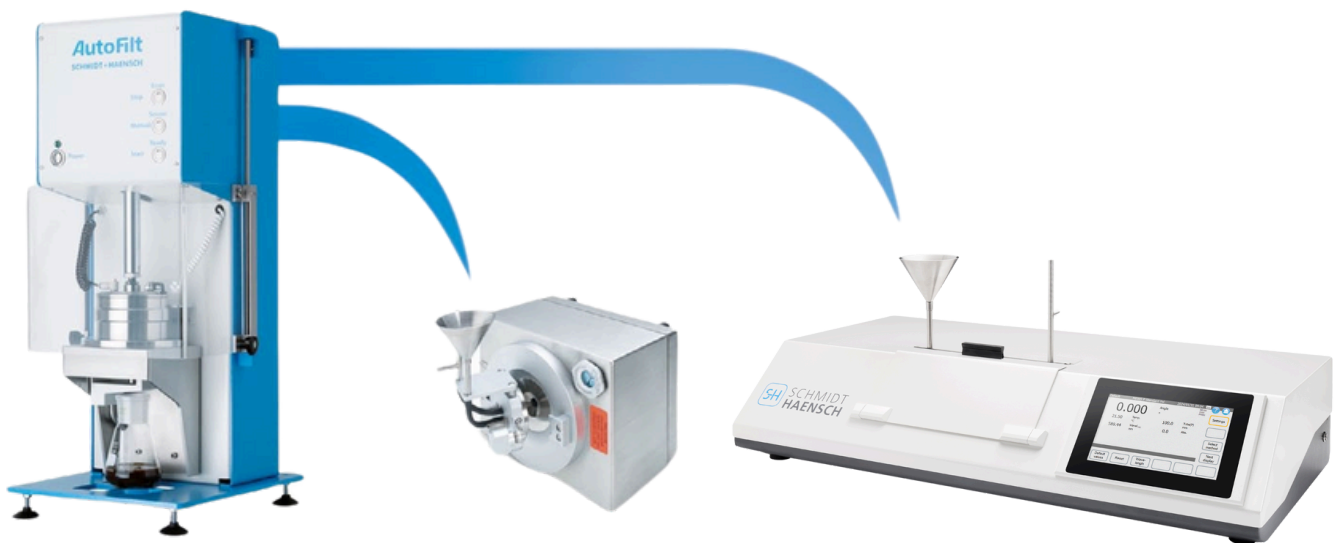
## SPECIFICATIONS

## AutoFit 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

AutoFit Z is a follow-up development of the semi-automatic filtration unit AutoFit; 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); AutoFit 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



## AutoFit Z Applications

AutoFit 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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