

**Automatic Pressure Filtration Unit**

Fastest sample filtration for lab use. Filtration units are a complement to NIR-Polarimeters. AutoFilt Z allows easy and fast filtration of turbid and high coloured samples.

The filtration time is shortened drastically, resulting in more efficient and reliable quality control. Samples are prepared without using environmentally hazardous clarification chemicals.

The new generation of AutoFilt Z is even more user friendly and guarantees an absolutely safe and stable analysis.

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 matter and particles is discarded as well as the third filtration portion often accompanied with foam which is developed during the last phase of the filtration.

Resulting high quality filtrate features constant sample volumes independent of the operator, sample viscosity and turbidity.

**Applications**

AutoFilt Z is mainly intended for use in modern, environmental sensitive laboratories.

**Technical Data**

**Environmental conditions**

**Temperature:** +10 up to +40°C (50 - 104°F)

**Supply:**

**Power Supply:** 100 - 240 V<sub>AC</sub>, 47 - 63 Hz, 40 W

**Pressurized air:** Max. 10 bar - 1.0 MPa / oil-free

**Pressurized air tube:** Outer diameter 6 mm

**Waste water tube:** Inner diameter 16 mm

**Filtration**

**Filtration pres. adjustable:** Max. 5 bar - 0.5 MPa

**Probe volume:** Approx. 250 ml

**Sample volume:** 50 ml sensor controlled



Software controlled drop collector for clean bench



Precise adjustable air pressure for optimization of the filtration process and drain hose for drop collection



Method: 2 Purif1
i = 589.44
Purity = 98.58 %
Angle = 34.129°
Temp. = 20.45 °C
Tube = 200 mm
Alc2 = 0.0
0 Manual

Method: 3 Remote
i = 589.44
Angle = 3.387°
Temp. = 20.54 °C
Tube = 200 mm
Remote 1

Method: 1 Brix
i = 589.44
Brix = 9.78
Angle = 3.387°
Temp. = 20.49 °C
Tube = 200 mm
Alc2 = 0.0
0 Manual

Measuring results of purity, Brix and °Z

**SCHMIDT+HAENSCH GmbH & Co.**

Waldstraße 80/81

D-13403 Berlin

Germany

Phone: +49 30 / 41 70 72-0

Fax: +49 30 / 41 70 72-99

e-mail: sales@schmidt-haensch.de

www.schmidt-haensch.com



**SCHMIDT + HAENSCH**

Opto-electronic measuring device since 1864



ISO 9001:2000



SCHMIDT+HAENSCH reserved all rights over texts and images  
Subject to modification without notice 05/10

# Autofilt Z unleaded



## Automatic Pressure Filtration Unit

- Fast filtration, automatically adjusted to sample characteristics
- Sensor controlled operation ensuring constant filtrate volume
- Automated discarding of pre- and post-filtrate for high quality samples
- Environment-friendly preparation perfect for NIR-Polarimeters
- Contamination - free filtration due to direct sample input
- Lead-free sample preparation of first pressed juice (sugar beets and sugar canes) without lead acid

**SCHMIDT + HAENSCH**

Opto-electronic measuring device since 1864