FIILTER DRYERS WITH SELF-REGULATING HEATING ELEMENTS

FOR CAPSULES AND STANDARD FILTERS

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FILTER DRYERS WITH SELF-REGULATING HEATING ELEMENTS

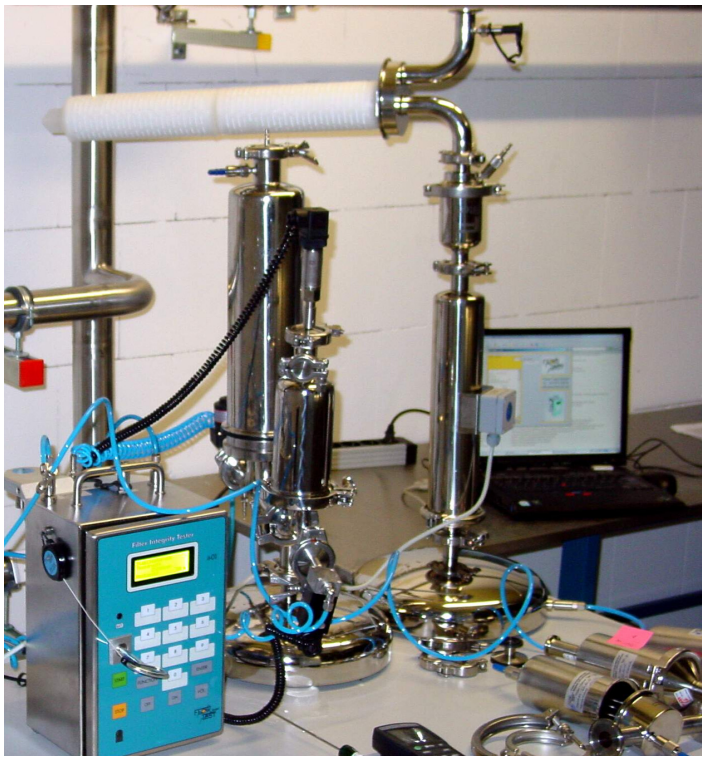
PRODUCT DESCRIPTION

The filter dryers RHz-01 and RHz-02 with self-regulating heating elements were developed for drying filters after testing.
They can be installed everywhere you need without any additional temperature control.

The heating elements are guaranteed from filter overheating and any damages.

RHz-01 and RHz-02 filter dryers with PTC heating elements can be steamed in-line.

RHZ-02 **RHZ 01**



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FILTER DRYERS WITH SELF-REGULATING HEATING ELEMENTS

SPECIFICATIONS RHZ-01

Material:	stainless steel 1.4404
Connection:	Tri-clamp TC-50.5mm
Heater:	PTC-self-regulating heating elements
Power Voltage:	230V
Electrical Supply Data:	1200W
Dimension:	tube diameter → 76 mm length TC-TC → 216 mm
Cleaning:	steam sterilization 134°C
Protection Class:	IP65
Continuous Thermal Output:	ca.200W by 6 Nm3/h air flowing
Filter Drying Temperature: (Laboratory values: by 6-8 Nm3/h air flowing):	5" standard filter system: 75-80°C 10" standard filter system: 65-70°C
Sealing Material:	EPDM
Pressure:	10 bar

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FILTER DRYERS WITH SELF-REGULATING HEATING ELEMENTS

SPECIFICATIONS RHZ-02

Material:	stainless steel 1.4404
Connection:	Tri-clamp TC 50.5mm
Heater:	PTC- self-regulating heating elements
Power Voltage:	230V or 380V possible
Electrical Supply Data:	2200W
Dimension:	tube diameter → 76 mm length TC-TC → 405 mm
Cleaning:	steam sterilization 134°C
Protection Class:	IP65
Continuous Thermal Output:	ca.400W by 6 Nm3/h air flowing
Filter Drying Temperature: (Laboratory values: by 6-8 Nm3/h air flowing):	5" standard filter system: 95-100°C 10" standard filter system: 85-95°C
Sealing Material:	EPDM
Pressure:	10 bar

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TECHNOLOGICAL PROCESS OF RHZ-01 AND RHZ-02

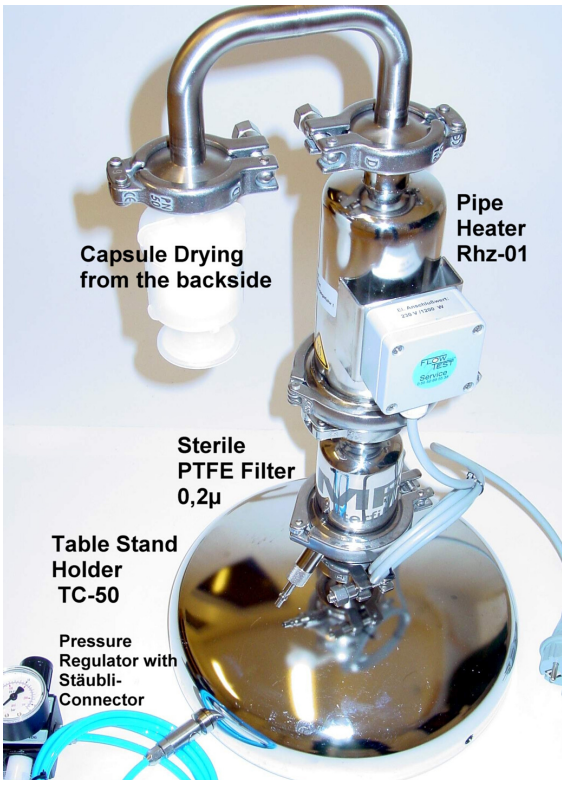
RHZ-01 CAPSULE FILTER DRYER WITH PTC HEATING ELEMENTS

For the drying procedure, a capsule is fixed to the filter dryer elbow holder (TC-50,5 mm).

The pressure tube is clicked at the filter housing foot and the filter dryer will be connected to the Power Supply System.

A capsule will be steamed through the hot air (ca. 75°C) via a sterile filter at the bottom of the filter housing.

A flow from the sterile filter is very effective because the PTFE material repels water in the filter inlet´s direction.

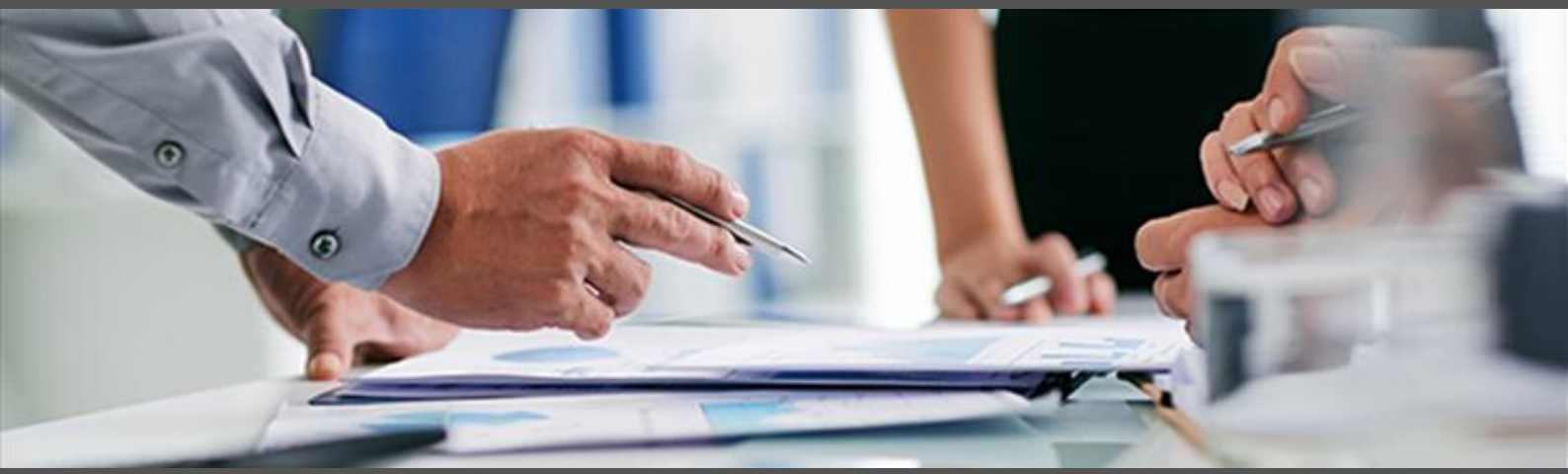


RHZ-02 FILTER DRYER WITH PTC HEATING ELEMENTS

For the drying procedure, PFA-tube with Stäubli RBE03 connector connects to the filter housing at the top.
The pressure tube connects to the filter housing foot and the filter dryer connects to the power supply system.
The hot air (ca.75°C after airflow) goes through the PFA-tube to the filter dryer housing.
The heating element protects the filter against its overheating.
Due to the pressure control at the bottom side of the filter housing, the optimal flow can be regulated.
Due to the filter housing design, the filter drying procedure for one 10" filter cartridge takes ca. 40 min.

NOTES

YOUR COMPETENT PARTNER IN FILTER INTEGRITY TESTING



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