



The VFS family with 1 until 24 sample gas inlets are the allrounders in pre-filter system.

The VFS is an extremely compact, autonomous multi sample filter for flexible construction of a wide range of test set-ups. Connection to the VFS is simplified by a control unit that is integrated into the device and carries out all internal control and regulation tasks as well as communication with the test cell environment. For this reason the VFS is ideal as a replacement for older, maintenance-heavy pre-filter modules. Thanks to its versatility, it can be added to the test cell with limited modification work. - An investment that quickly pays for itself. The VFS has extremely uniform heating and an optimized gas feed that guarantees the greatest precision with measurement results.

The VFS is fitted with an NC pressure regulator for max. 50 mbar outlet pressure with an inlet pressure of up to 6 bar. Furthermore the device has a backflushable filter chamber with an inbuilt purge air outlet plus a test gas inlet. All inbound sample gas lines can be separately backwashed.

The VFS can be ordered with the gas outlet on the side or at the front.

SCP (System Control Panel):

Parameterisation is very simple to carry out via an SCP (system control panel). The SCP autonomously recognizes which device it is connected to and enables every device parameter to be set via an extremely clear, self-explanatory display on a 5.7" touch screen. The SCP is also available as a simple software tool. This means that the VFS can be connected directly to an internal network and controlled or configured from any PC. Control can optionally be bit parallel or via Modbus TCP.

If an VFS is connected to an IAG nG measuring unit, configuration and monitoring can be carried out via the measuring unit display.

Advantages

- + Extremely Compact
- + 3 bar Inlet Pressure
- + Integrated Pressure Regulator
- + Filter Flushing with Purge Air Outlet
- + Calibration Gas Feed
- + Control of 6 Heated Lines
- + Backflush Function
- + IAG nG Filter Chamber

Options

- Control of 1 Sample Gas Pump
- Control of Heated/Cooled Lines
- Gas outlet front or side
- HP up to 6 bar Inlet Pressure
- Pt100 Heat Regulator
- Heating Control via Modbus TCP
- Bit Parallel Control
- AK Control
- AK Control via IAG nG AK Converter
- SilcoTek Surface Treatment

Technical Data

VFS1 & VFS2:	520 x 245 x 240 mm
VFS4:	550 x 245 x 240 mm
6E Dimensions:	245 x 535 x 160 mm
8E or 24E Dimensions:	On Request
Sample Gas Connections:	Swagelok 8 mm
Filter Catrtridge:	70cm ² PTFE Bond Glass
Heated Line Connections:	693 6+Pe Connectors
Standard Pin Assignment:	1-L, 2-TC+, 5-TC-, 6-N
Communication:	Bit Parallel; Modbus TCP; AK; or via System Control Panel
Compressed Air Connection:	6 mm Push In/Dry and Oil-Free
Compressed Air Supply:	5-6 bar
Power Supply:	400 V / 3,7 kW 3 m / CEE 16 A

