



Heated Filter Housing

The heated filter housing can optionally be connected as a separate module before heated measuring gas lines or analysers. If the measuring gases are heavily contaminated, several filter housings can be connected in series. The filter cleans dust and particles out of the measuring gas that is being conveyed. The heater prevents the measuring gas from condensing, which would invalidate measured values. The heating can be self-regulating with our ELTC-Mini controller or a separate temperature controller can be used. The filter housing is made of a resistant stainless steel (mat. AISI 316L / 1.4404). Different filter inserts can be mounted in the housing depending on the application (see accessories for heated filter housing).

Advantages:

- Universal applications
- Easy to upgrade
- Compact filter housing
- Different filter inserts are available
- Filter inserts are easy to change
- Sturdy design

Fields of application:

- Process, emissions and environmental technology
- Engine test benches
- Research and development

Type **ELH/Fil**





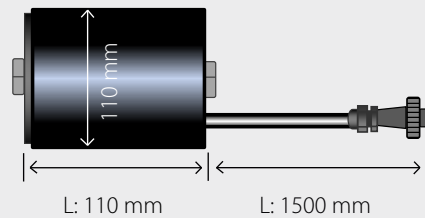
Technical Specifications

Type ELH/Fil

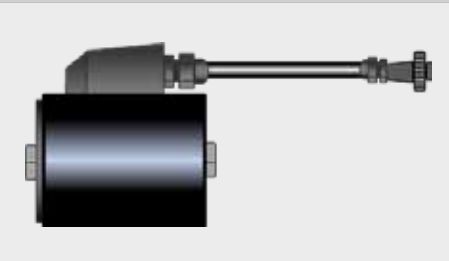
Data

■ Operating voltage	24 - 250 V
■ Temperature maintenance	120 - 200 °C
■ Operating pressure	max. 10 bar
■ Outer jacket	polyamide with silicone cover
■ Insulation	fleece
■ Filter housing	made of stainless steel (mat. 316L / 1.4404) with Viton seal
■ Filter volume	25 ccm for filter inserts 12.57
■ Connection fitting	on both sides int. thread 1/4" NPT made of stainless steel
■ Sensors	Pt100, Ni-CrNi, Fe-CuNi
■ Connection cable length	1.5 m
■ Control	ELTC/H-14 or ELTC-Mini end cap controller

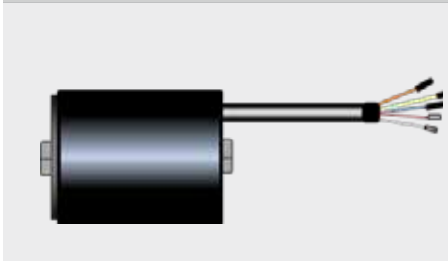
For external control
Terminated with 6-pin+PE connector



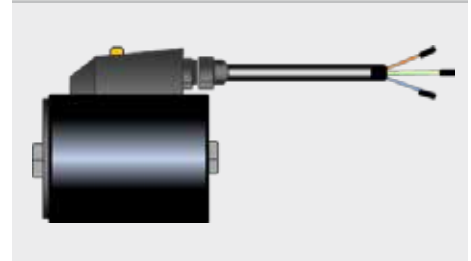
For external control
With terminal housing
Supply cable terminated with 6-pin+PE connector



For external control
Supply cable terminated with wire end ferrules



Self-regulating with ELTC-Mini
Supply cable terminated with wire end ferrules



Accessories for Heated Filter Housing

Filter Inserts

Stainless steel sieve element

■ Type	SS-12-57-5V
■ Material	5-layer woven mesh made of 1.4401
■ Mesh size	5 µm
■ Dimensions	Ø 12 mm
■ Length	54 mm
■ Incl. set of Viton seals	
■ Qty: 1 piece	
■ Article Number	5ZZF087

Stainless steel sieve element

■ Type	SS-12-57-2V
■ Material	5-layer woven mesh made of 1.4401
■ Mesh size	2 µm
■ Dimensions	Ø 12 mm
■ Length	54 mm
■ Incl. set of Viton seals	
■ Qty: 1 piece	
■ Article Number	5ZZF104

Set of replacement seals for stainless steel sieve elements

■ Type	GP SS-110
■ Set of PTFE seals for VA sieve elements, Ø 12 mm	
■ 1 set	2 pieces
■ Article Number	5ZZF088

Glass fibre filter element

■ Type	12-57-70S
■ Material	borosilicate glass microfibres
■ Binding agent	silicate, inorganic
■ Filtration rating	particles (0.1 µm) removable from gas: 95 %
■ Dimensions	Ø 12 mm
■ Length	57 mm
■ Qty: 10 pieces	
■ Article Number	5ZZF089

Ferrule compression fitting for filter connection 6 mm

■ One side	ferrule compression fitting for pipe, Ø 6 mm
■ Other side	ext. thread 1/4" NPT
■ Material	stainless steel 316L
■ Article Number	5XZF020

Ferrule compression fitting for filter connection 8 mm

■ One side	ferrule compression fitting for pipe, Ø 8 mm
■ Other side	ext. thread 1/4" NPT
■ Material	stainless steel 316L
■ Article Number	5XZF033

