



"A leading worldwide supplier of high efficiency filters for a variety of industries and applications."

HEATABLE FILTER HOUSINGS

Heatable housings are designed for hot gas analysis such as diesel exhaust and continuous emission monitoring systems. They may be used under vacuum to draw the sample or pressurized to 30 psig for blow down. We offer four basic models: H122S-TR, H130S-TR, H140S-TR, and H254S-TR. Choose the correct housing based on the flow rate and response time.



The bayonet-type closure allows the element to be changed within seconds even at operating temperatures. An integral tie rod and retainer make element service a snap. The element is attached to the bayonet handle, thus completely removing it from the body.

Features:

- 316L Stainless Steel
- Specifically Designed For Hot Gas Analysis
- Bayonet Type Construction For Quick Element Change
- Integral Element Tie Rod And Retainer

Applications:

- Emission Testing
- Continuous Emissions Monitoring
- Stack Gas Testing

At the heart of our filter products is the filter element. Choosing the correct element insures proper results for your specific application:

K Grade	Elements are specified for particulate removal where corrosive gases and liquids are to be filtered as they have excellent chemical resistance. They are also used when highly reactive gases are being analyzed since they exhibit very low levels of adsorption.
ET Grade	Elements are hydrocarbon-free filters developed to remove particulate for automotive emission testing up to 400°F.
S Grade	Elements are completely inorganic and are used to filter particulate at temperatures from 300°F to 900°F.
S21-R Grade	The S21-R Type are used in diesel emission applications.
Custom Blended Elements	We have the ability to produce custom blended filter elements based upon your specific application parameters. Please do not hesitate to contact us with your details so that we can solve your filtration issues. Call 1-800-311-5561 or Email henryk@unitedfiltration.com .
SCR Filter Elements (Acid Washed)	Acid Washed (AW) series of elements capture the excess ammonia that is introduced into the emission stream. This scrubbing is done by a chemical bond between the ammonia (NH ₃) and the acid washed (Phosphoric) filter elements, thus protecting sensitive equipment. These are commonly referred to as Selective Catalytic Reduction (SCR) Filter Elements.

HEATABLE FILTER HOUSINGS

- Automotive / Diesel Emission Testing
- Designed For External Heating
- Customization Available
- Even Heat Distribution With Uniform Body



TECHNICAL INFORMATION

Side Port Housing Model	H122S-TR	H130S-TR	H140S-TR	H254S-TR
Bottom Port Housing Model	N/A	H130-TR	H140-TR	N/A
Port Size (NPT)	1/4"	1/4"	1/4"	1/2"
Maximum Pressure (psig)	30	30	30	30
Internal Volume (cc)	55	100	240	1320
Maximum Temp. -Buna-N (250°F)	BNH122S	BNH130	BNH130	BNH254S
Maximum Temp. -EPDM (300°F)	GEH122S	GEH130	GEH130	GEH254S
Maximum Temp. -Viton (400°F)	GVH122S	GVH130	GVH130	GVH254S
Maximum Temp. -Silicone (450°F)	GSH122S	GSH130	GSH130	GSH254S
Maximum Temp. -Kalrez (600°F)	KZH122S	KZH130	KZH130	KZH254S
Weight of Housing (lbs)	1.5	4.0	6.0	12.0
Principle Dimensions: (inches)				
Head Diameter	1.50	2.20	2.20	3.46
Overall Length	4.72	5.31	9.80	12.80
Element Removal Clearance	4.09	4.34	8.58	11.72
Filter Element Codes: (1)				
Disposable element	12-57-□	25-64-□	25-178-□	51-254-□
Stainless Steel Element	SS-12-57-□	SS-25-64-□	SS-25-178-□	SS-51-254-□
Materials Of Construction: (2)				
Body & Internals	316LSS	316LSS	316LSS	316LSS
O-Rings	Silicone	Silicone	Silicone	Silicone

FLOW RATE IN SCFM AT STATED LINE PRESSURE WITH 1.5 PSID

Air Line Pressure (PSIG)	Model H122			
	50S	60S	70S, 70S21-R	80S
1.5	1.5	3.0	3.6	4.0
15	2.7	5.5	6.5	7.7
30	4.0	8.4	10.0	11.0
Model H130		Model H130		
1.5	3.0	5.2	6.2	6.8
15	5.4	9.5	11.0	11.0
30	7.8	14.0	16.0	17.0
Model H140		Model H140		
1.5	5.6	6.8	7.4	8.0
15	10.0	12.0	13.0	14.0
30	14.0	18.0	19.0	21.0
Model H254		Model H254		
1.5	11.8	18.1	19.1	21.0
15	21.0	32.3	34.0	37.4
30	31.5	48.5	51.0	56.1

Notes: (1) Replace '□' with grade required, e.g. 12-57-50S, SS-25-64-03
 (2) Material abbreviations, 316LSS = 316L Stainless Steel