

Flexotherm[®] Filter Housings

Superior Electro-Polished 316 Stainless Steel

Available in Heated and Non-Heated Series

Brushed and Anodized Aluminum Enclosure

High-Temperature Silicone O-Rings

DuPont Krytox[®] Performance Lubricant

Flexotherm[®] manufactures 316 Stainless Steel filter housings for use in emissions testing and chemical analysis. Our filters are designed for use in a heated filter set-up or as a stand-alone filter.

Standard Features

- ◆ All Models made of 316 Stainless Steel
- ◆ All components are electro-polished inside and out.
- ◆ Handle Shaft insulated with Teflon[®]
- ◆ Positive Handle STOP/DETENT to assure proper assembly position
- ◆ High-Temp Silicone O-Rings
- ◆ DuPont Krytox[®] Performance Lubricant
- ◆ Available in Long (1" x 7" Filter Element) or Short (1" x 2.5" Filter Element)

Options

- ◆ Extended Handle (3" longer than std)
- ◆ Panel Mounting Collar



Base Filter Housing (F)



Heated Filter Valve (HFV Series)

- ◆ Heated Filter with Valve: — Pneumatically-actuated high-temperature heated ball valve. (Temp Controller not included)
- ◆ Manifold Heaters for the Ball Valve and Filter Base
- ◆ 4" Pigtails with mini twist-lock connectors
- ◆ 4" Thermocouple lead & connector
- ◆ 24VDC Panel Mount Valve Control Connector
- ◆ 1/4" Female NPT Inlet for Pilot Air



Heated Filter Housing (HF Series)

The Base Heated Filter Housing includes the following features:

- ◆ Brushed and Anodized Aluminum
- ◆ JKTE Thermocouple or RTD
- ◆ Long includes 120VAC 175-Watt Heating element and associated insulation
- ◆ Short includes 120VAC 110-Watt Insulated Heating Element.
- ◆ Panel Mount Mini-Twist-Lock Connector to connect controller
- ◆ Panel Mount Thermocouple connector.

HFV + Temp Control

- ◆ Integrated 4-Channel Temperature Controller
- ◆ Filter Housing
- ◆ Valve Body
- ◆ Aux 1 / Aux 2 (Available to control heated lines or connection heaters)



Series	Description
F	Stainless Steel Filter Housing
HF	Heated Filter 110-175 Watt
HFV	Heated Filter with Pneumatically-Actuated High-Temp Valve
HFV+TC	HFV—includes Valve plus 4-channel Temperature Control

Caution: Filter assembly is designed for use on the vacuum side of the sample system. Pressure rating set at low value as safety precaution. Never remove handle assembly while under pressure.

Flexotherm[®] Heated Products

Warranty

All of our quality heated products are backed by a limited Two-Year Warranty

- ◆ Full Coverage on repairs caused by defects in workmanship
- ◆ Quick turn-around time on repairs
- ◆ Phone support during repair process.
- ◆ Repaired on-site whenever possible to minimize downtime.



About Us

Flexotherm[®] A Division of Neptech has established a reputation for quality emissions testing components since 1994. Our mission is to partner with industry leading companies to harness technologies that help reduce emissions and meet corporate and EPA standards.

Our multi-faceted engineering, design and manufacturing capabilities enable us to deliver innovative and cost-effective solutions to R&D facilities and OEMs worldwide.

Contact Us

If you have any questions or need additional information, please call (810) 225-2222 Or visit our site: [www.Flexotherm.net / filter-housings](http://www.Flexotherm.net/filter-housings)



	Part Number	SERIES	VALVE	MANIFOLD HEATER	TEMP CONTROL	FILTER MEDIA		POWER	SENSOR	CONNECTOR		PORT TYPE
						Short	Long			MT*	TC*	
FLEXOTHERM FILTER HOUSING MODELS												
F		F				1" X	2.5					1/4 NPT
HF		HF				1" X	2.5	120VAC / 110 Watt	J	K	MT*	3/8" TUBE FITTINGS
HFV		HF	V	✓		1" X	2.5	120VAC / 110 Watt	J	K	4' Pigtail*	3/8" TUBE FITTINGS
HFV+TC		HF	V	✓	TC	1" X	2.5	120VAC / 110 Watt	J	K	2' Pigtail*	3/8" TUBE FITTINGS
	*CONNECTOR DETAILS:											
	*MT= Panel Mount Mini Twist-Lock Connector											
	*TC = Panel Mount Thermocouple Connector											
	*Pigtails with Mini Twist-Lock Connectors											
	*TLC = Thermocouple Lead & Connector											
STANDARD FEATURES ON ALL SERIES												
✓	Brushed & Anodized Aluminum Enclosure											
✓	All Components made from 316 Stainless Steel											
✓	All Components are Electro-Polished (inside and out)											
✓	Handle Shaft Insulated with Teflon®											
✓	1/4" Female NPT Inlet & Outlet in the base											
✓	Two (2) Threaded 1/4-20 mounting holes in base											
✓	High-Temperature Silicone O-Rings											
✓	Positive Handle Assembly STOP / DETENT											
✓	DuPont Krytox® Performance Lubricant											
OPTIONS (BASE FILTER HOUSING)												
	X	Extended Handle (3" longer than Standard Handle)										
	P	Panel Mounting Collar										