

Trufluor™ Filter Housing

High purity and rugged design for aggressive chemical filtration

The simple, yet rugged design of the Trufluor filtration housing is an excellent solution to any aggressive chemical filtration problem. The two-piece design allows for ease of installation and a positive seal.

Series TFH (Trufluor PFA) uses high purity PFA materials of construction to provide the broadest available chemical compatibility and strong mechanical properties with the lowest possible extractables. Use this choice with a fluoropolymer cartridge for an all fluoropolymer filtration system.

Series TVH (Trufluor PVDF) uses polyvinylidene fluoride (PVDF) materials of construction to provide excellent chemical compatibility and superior mechanical properties with the lowest possible extractables.

Both series accept a 10 in. (25.4 cm) 222 o-ring / flat SOE style cartridge. Choice of 3/4" NPT or 3/4" butt weld inlet and outlet connections available.



Contact Information

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Benefits

- High purity PFA construction
- Also available in PVDF
- Broad chemical compatibility
- Extremely low extractables
- Standard 1/4" gauge connections upstream and downstream

Applications

- High purity acids and bases
- Fine Chemical
- Aggressive solvents
- Acid etch and BOE
- Photomask and Photoresist
 - Chemicals
 - Solvents
 - Developers



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Trufluor™ Filter Housing

SPECIFICATIONS

Materials of Construction

Head and Bowl: High purity PFA
 O-Ring: FEP Encapsulated Viton®
 NPT Plugs: High purity PFA
 Threaded Head Inserts: PTFE coated 316
 Stainless steel

Connections

Inlet | Outlet: 3/4" NPT or Butt Weld
 Vent and Drain: 1/4" NPT

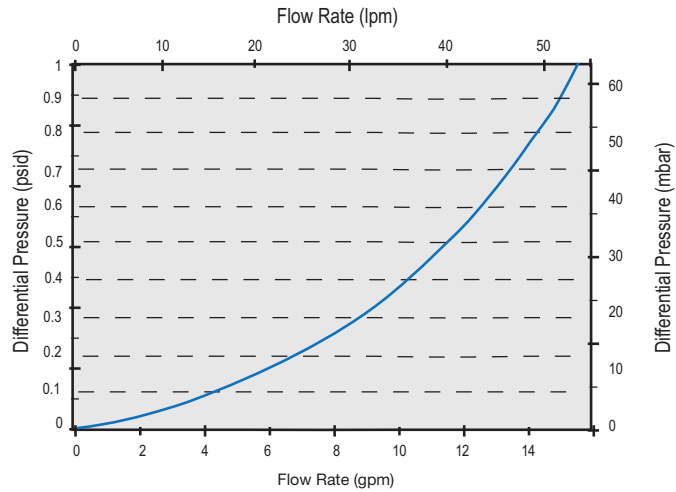
Maximum Operating Specifications

TFH (PFA):
 65psig (4.5bar) @ 203°F (95°C)
 75psig (5.2bar) @ 68°F (20°C)

TVH (PVDF):

110psig @ 203°F (95°C)
 150psig @ 68°F (20°C)

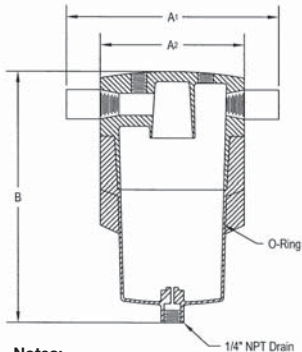
Housing Differential Pressure vs. Liquid Flow Rate



Cartridge Configurations Supported

Size	Description
10"	222 Flat End Cap SS Reinforced 222 Flat End Cap

Housing Part#	Overall Width (A)		Overall Length (B)		Minimum Clearance for Cartridge Removal	
	Inches	cm	Inches	cm	Inches	cm
TFH10N08N02T	4-7/8	12.4	16	40.6	13	33.0
TFH10W08N02T	7-21/32	19.4	16	40.6	13	33.0
TVH10N08N02T	4-7/8	12.4	16	40.6	13	33.0
TVH10W08N02T	7-21/32	19.4	16	40.6	13	33.0



Notes:

- Dim. A1 = 3/4" Butt-weld
Dim. A2 = 3/4" NPT

This housing is not recommended for compressed air or gas service. It is suitable for use with fully compatible liquids (which do not soften, swell or adversely affect the product or its materials of construction) only. This housing is not recommended for acid service at the pressure shown.

Please contact Parker for detailed compatibility information.

NOTE:

Use of this product in a manner other than in accordance with Parker's current recommendations may lead to injury or loss. Parker cannot accept liability for such injury or loss.

Ordering Information

Model		Bowl Length		Connection Type		Connection Size		Drain/Vent Type		Drain/Vent Size		Seal Material	
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
TFH	Trufluor PFA	10	10"	N	NPT	08	3/4"	N	NPT	02	1/4"	T	FEP Encapsulated Viton®
TVH	Trufluor PVDF												

Specifications are subject to change without notification.
 For User Responsibility Statement, see www.parker.com/safety
 Viton is registered trademark of E.I. DuPont de Nemours & Co., Inc.

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DS_ME_Trufuor Housing Rev. C



WARNING: This product can expose you to chemicals including Nickel and Nickel alloy which are known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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