

ADVANTEC®

● All Fluoride Resin 1 PFA Housing



ADVANTEC TOYO KAISHA, LTD.

All Fluoride Resin 1 PFA Housing

The clean filter housing key lock function with ultra-high purity PFA reduces the space required for replacing filters in the fluoride resin housing.



Features

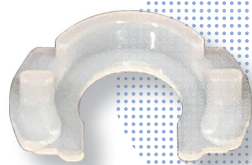
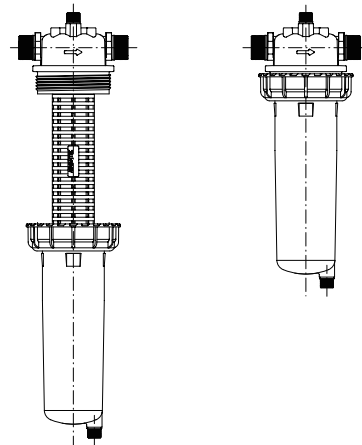
- This all-fluoride resin housing unit for a single cartridge for attachment to PFA tubing is composed of a head, frame, bowl, and locking nut.
- The use of ultra-high purity PFA prevents leakage from the housing to enable use for high-purity chemicals, as well as highly corrosive chemical solutions such as strong acid and strong alkali liquids.
- The head and bowl are tightened with the locking nut to provide a highly efficient seal.
- Since the joint is integrated with the head, it is both compact and provides an excellent seal.
- Both 250 mm and 500 mm filter types are available.
- This housing is compatible with code M with 70mm and 83mm outer diameters, and code R with 70 mm outer diameter.

Applications

Corrosive liquids such as acid and alkali for semiconductors and liquid crystal
Organic solvents

Specifications

Materials	Housing Head & Bowl	PFA
	Locking Nut	PVDF
	O-ring	FEP-coated FPM Rubber/ Perfluoro-Elastomer
Maximum Operating Pressure		0.6MPa (25°C) 0.3MPa (100°C)
Maximum Operating Temperature		100°C



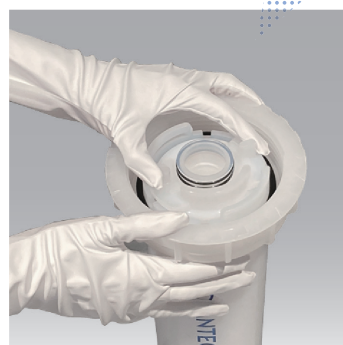
Key Lock Form

Recommended Torque Value

FEP-coated FPM Rubber	45N·m
Perfluoro-Elastomer	28N·m



1 Insert cartridge filter into the frame.



2 Rotate the cartridge filter to lock.

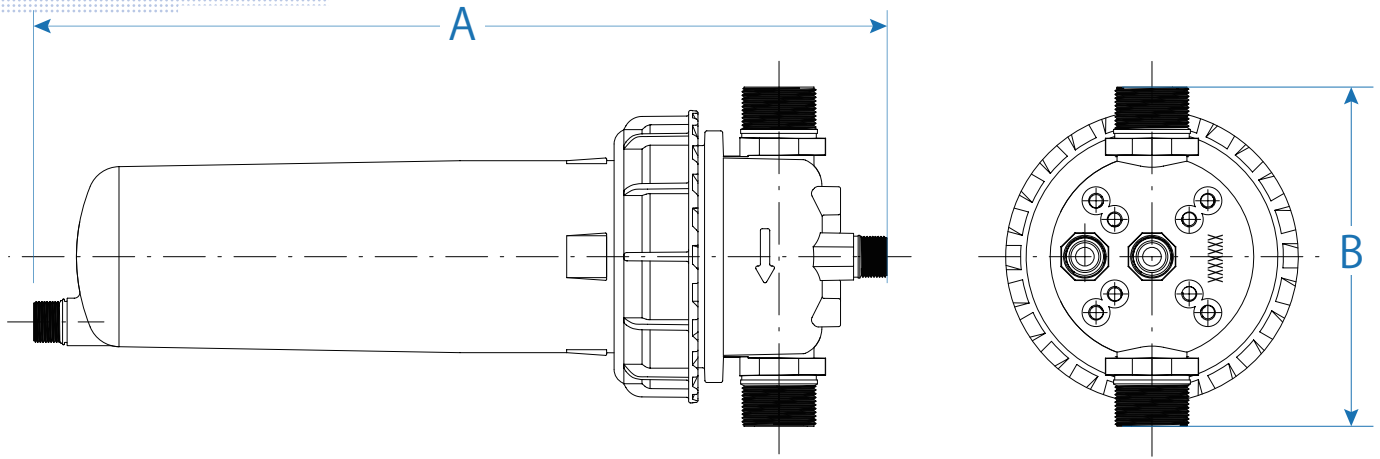


3 Insert the cartridge filter into the head and turn the locking nut.



4 Tighten the locking nut to the designated torque value using a wrench.

Dimensional Drawing



Code	Inlet/Outlet Connection Size	Vent/Drain Connection Size	B	A(250 mm Type)	A(500 mm Type)
FL16*	1 inch	1/2 inch	202mm	481mm	710mm
S316*	1 inch	1/2 inch	182mm	459mm	688mm
PL12*	3/4 inch	1/2 inch	180mm	458mm	687mm

*FL16: Can be connected to PFA tubing using Flaretek fittings from Entegris, Inc. Flaretek is a registered trademark of Entegris, Inc.

S316: Can be connected to PFA tubing using Super 300 Type Pillar fittings from Nippon Pillar Packing Co., Ltd. Pillar is a registered trademark of Nippon Pillar Packing Co., Ltd.

PL12: Can be connected to PFA tubing using Super Type Pillar fittings from Nippon Pillar Packing Co., Ltd. Pillar is a registered trademark of Nippon Pillar Packing Co., Ltd.

Product Model

1PFA-1-MF-1

Code	Cartridge Size	Code	O-ring Material	Code	Inlet/Outlet Connection Size
1	250mm	F	FEP-coated FPM Rubber	FL16	1 inch
2	500mm	P	Perfluoro-Elastomer	S316	1 inch
				PL12	3/4 inch

Options

Product Name	Product Model	Number of Packages
Digital Torque Wrench for Locking Nut Tightening	1PFA-WR-TQ	1
O-ring 2-344 Coated Fluorine Rubber	1PFA-OR-344-F	1
O-ring 2-344 Perfluoro-Elastomer	1PFA-OR-344-P	1



Digital Torque Wrench for Locking Nut Tightening

• Specifications listed in this brochure are subject to change without notice.

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