

## PFA filter housing

HPFA-series filter housing has the option to lock the cartridge into the bowl, so that the cartridge and the bowl can be installed and disassembled as a whole, which greatly reduces the contact between the human body and the chemical, and reduces the risk of contamination.

### High purity PFA raw material

Use the highest purity grade Dupont PFA-440 HPJ Japanese PFA resin.

### Easy and safe for cartridge installation & changeout

Insert the cartridge into the bowl, turn 1/4 of the circle to lock the cartridge in place, and the bowl and cartridge can be quickly and easily installed to the head.

By turning the lock ring, the cartridge is pushed vertically into the head of the housing, ensuring perfect alignment and double O-ring engagement each time.

### Non-contact cartridge changeout

No need to touch the cartridge when replacing, which minimizes human contact with chemicals, ensures safety and reduces the possibility of contamination in the process.

### Compatible with industry standard 2-222/flat

single-open-end filter cartridges from all major filter manufacturers.

### Excellent space-saving:

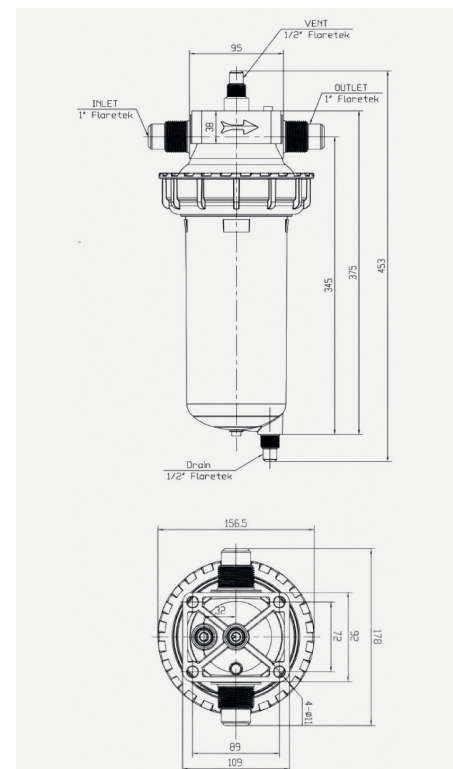
saves a minimum of 20 cm to 45 cm of vertical space for cartridge changeout.

### Ultra clean manufacturing

Products are manufactured, assembled, cleaned and tested in class 1000 and class 100 dust-free cleanroom.

4", 10" and 20" lengths are available, suitable for different lengths of cartridges.

Pillar S300 1", Super Pillar 3/4", Flare 1" and 3/4" inlet/outlet are optional to meet the different applications in the semiconductor industry.



ITEM	SPECIFICATIONS
Head, molded-on fitting, bowl	PFA 440 HP or equivalent
O-ring	E-FKM or FFKM
Locking ring (nonwetted part)	PVDF, PP or PTFE
Mounting hardware-nuts and bolts (nonwetted parts)	PF4 (Ø70 mm) 83PF4 (Ø83 mm, Ezelock, Exx Chemlock or Pxx)
Max. differential pressure	0.3 Mpa (100°C); 0.75 Mpa (25°C)
Max. Operating DP	100°C

Ordering Information

Code	Length	Filter Connection	Inlet & Outlet	Vent	Drain	Sealing	Lock Ring	Cleanliness	Cartidges Lock
ESPRO-12-HPFA	04 4" 10 10" 20 20"	2C 222Flat 2EC 222Flat with lock	F844 1" Flare F644 3/4" Flare F824 1" Flare F624 3/4" Flare F842 1" Flare F642 3/4" Flare F822 1" Flare F622 3/4" Flare S844 1" Super Pillar S644 3/4" Super Pillar S822 1" Super Pillar S622 3/4" Super Pillar	1/2" Flare 1/2" Flare 1/4" Flare 1/4" Flare 1/2" Flare 1/2" Flare 1/4" Flare 1/4" Flare 1/2" Super Pillar 300 1/2" Super Pillar 300 1/4" Super Pillar 300 1/4" Super Pillar 300	1/2" Flare 1/2" Flare 1/2" Flare 1/2" Flare 1/4" Flare 1/4" Flare 1/4" Flare 1/4" Flare 1/2" Super Pillar 300 1/2" Super Pillar 300 1/4" Super Pillar 300 1/4" Super Pillar 300	T E-FKM F FFKM	V PVDF P PP T PTFE	S Semiconductor grade E Electroning grade	K Yes No

Accessories for PFA housing

Note: The following accessories need to be ordered separately.

1	PVDF screw (with nut) 4p/PK M10*65
2	PVDF wrench head
3	PP/PVDF clamp mounting
4	Union nuts (with plug) Flare 1"
5	Union nuts (with plug) Flare 3/4"
6	Union nuts (with plug) Flare 1/2"

7	Union nuts (with plug) Flare 1/4"
8	Union nuts (with plug) Pillar 1"
9	Union nuts (with plug) Pillar 3/4" Union nuts
10	(with plug) Pillar 1/2"
11	Union nuts (with plug) Pillar 1/4"
12	E-FKM/FFkm O-ring

