

PFA Series Filter cartridges

Masterfilter PFA filter cartridges, utilizing expanded PTFE membranes and PFA (melt-processible Teflon®) core & cage, meet the most critical filtration requirements in the most aggressive environments. PFA hardware can provide high level filtration in aggressive atmosphere. PFA cartridges remain robust and durable in aggressive acids, bases and organic compounds.

Features and Benefits

- All-fluoro polymer material of construction provides superior resistance in strong chemical processing and pulsing.
- Excellent chemical compatibility
- High temperature and pressure capabilities
- High flow rates with low differential pressure.
- Narrow pore size distribution ensures the ultimate in retention and flow rate
- Low extractables.
- Inline WIT testable



Applications

- Outstanding resistance to solvents and oxidative products
- WFI venting
- Strong oxidizing gases (ozone)
- Aggressive solvents
- All kinds of aggressive bases
- Mixed Acids
- High temperature fermenter venting (>100°C) and aerating

PFA Series Filter

Materials of construction

- Filter media: Hydrophobic PTFE
- Support layer: PFA
- Inner core: PFA 440H
- Outer cage: PFA 440H
- End caps: PFA 440H
- O-Rings: Silicone, PTFE encapsulated viton, Kalrez

Operating Characteristics

Maximum Temperature	170°C
Max. Δ pressure (liquid)	4,0 bar at 50°C 3,0 bar at 110°C 1,5 bar at 170°C

Biological Safety

Comply with the relevant requirements of EU 1935/2004, EU directive 10/2011, according to 21CFR and current USP Plastics Class VI
The materials of construction meet the FDA requirements for food contact use as detailed in Code of Federal Regulations, PTFE to 21 CFR section 177.1550

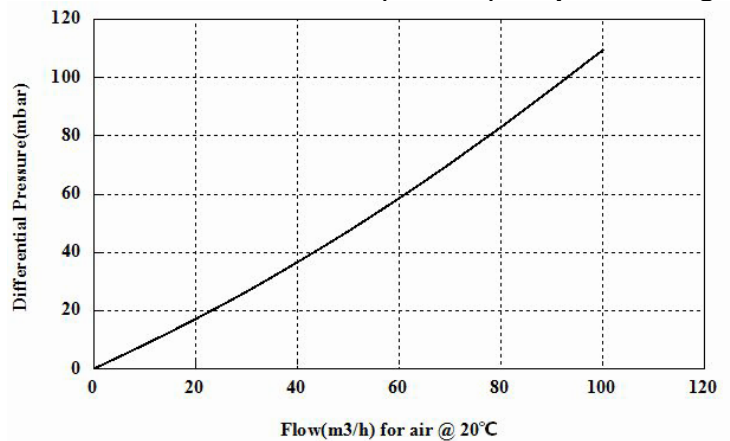
Effective Filtration Area

10" (254mm) 0,7m²

Integrity test values PFA0020:

length	Bubble point IPA 60/40	Water test pressure [mbar]	Water Intrusion flow [μL/10min]
10"	1000 mbar	2500	3823

Air flow rate for 10" (254mm) 0,2 μm cartridge



Ordering Information:

PFA - - -

Code	Removal rating micron
0005	0,05
0010	0,1
0020	0,2
0050	0,5
0100	1,0
0500	5,0

Code	length	
	mm	inch
10	254	10
20	508	20
30	762	30
40	1016	40

Code	end caps
HTC	222 O-ring/flat top
HSC	226 O-ring/flat top
HSF	226 O-ring/fin (code7)

Code	O-Rings
S	Silicone
P	PTFE encapsuled viton
K	Kalrez (FFKM)
E	EPDM