

ProcessGard® PTFE Plus Filters

Unmatched durability and cleanliness in point-of-tool and dispense applications involving solvents, DI water, and dilute acids and bases



ProcessGard® PTFE Plus filters are designed for filtration of process fluids used in the microelectronics industry. Constructed of PTFE pleated membrane with polypropylene (PP) supports, these filters provide unmatched durability and cleanliness in applications involving solvents, DI water, and dilute acids and bases.

Our portfolio includes 4" to 40" Ø70 mm cartridge and 10" Ø83 mm cartridge formats to suit various flow requirements in point-of-tool or bulk filtration applications. A hydrophilic version is available for DI water and water-based acid/alkaline solutions in developer, etching, and cleaning applications, while a hydrophobic version is available for air filtration, stripper, and IPA or solvent applications in flat panel display or hard disk industries.

Hydrophobic and hydrophilic membrane options allow use without pre-wetting.

APPLICATIONS

- The hydrophilic format is for use in DI water and water-based acid/alkaline solutions for developer, etching, and cleaning applications
- The hydrophobic format is for use in air filtration, stripper, and IPA or solvent applications in flat panel display or hard disk industries

FEATURES & BENEFITS

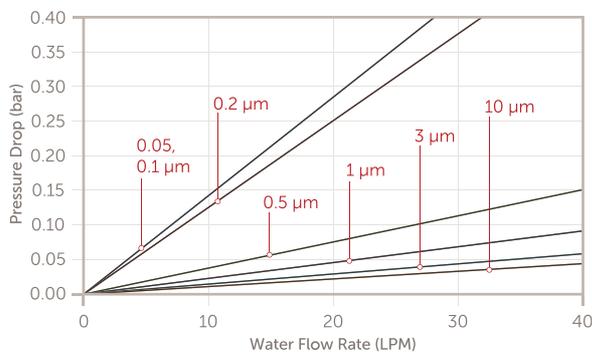
PTFE pleated membrane	Offers excellent chemical compatibility for use in a wide variety of chemicals and reliable filtration of defect-causing particles
Hydrophobic and hydrophilic membrane	Eliminates prewet treatment, reducing start-up time
	Reduces filter changeout time
	Increases equipment uptime, lowering operation costs
4" to 40" Ø70 mm cartridge and 10" Ø83 mm cartridge formats	Suits various flow requirements in point-of-tool or bulk filtration applications, providing design versatility and flexibility

SPECIFICATIONS

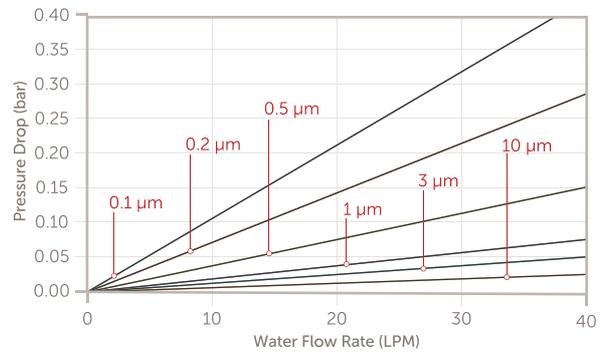
Retention rating	0.05, 0.1, 0.2, 0.5, 1, 3, 10 μm	
Materials	Media	Hydrophobic, hydrophilic PTFE
	Support, sleeve, end caps	Polypropylene
	O-ring (Code-0, -5, -6: AS568-222; Code-7: AS568-226)	EPDM, FKM, E-FKM
	Gasket (Code-F)	EPDM, FKM
Maximum operating conditions	Forward differential pressure	0.4 MPa @ 25°C (77°F)
	Reverse differential pressure	0.3 MPa @ 25°C (77°F)
	Operating temperature	90°C (194°F) water, 30°C (86°F) CDA, inert gas

PERFORMANCE DATA

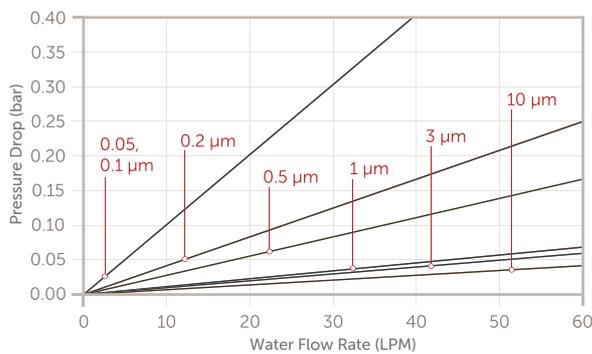
ProcessGard PTFE Plus 4" cartridge



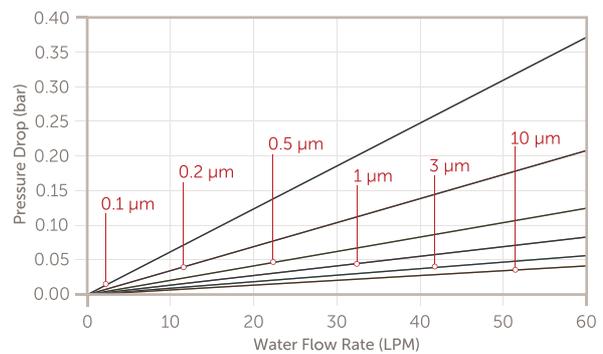
ProcessGard PTFE-HP Plus 4" cartridge



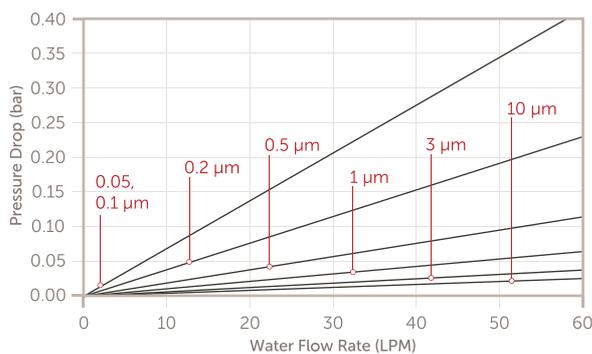
ProcessGard PTFE Plus, Code 0 10" cartridge



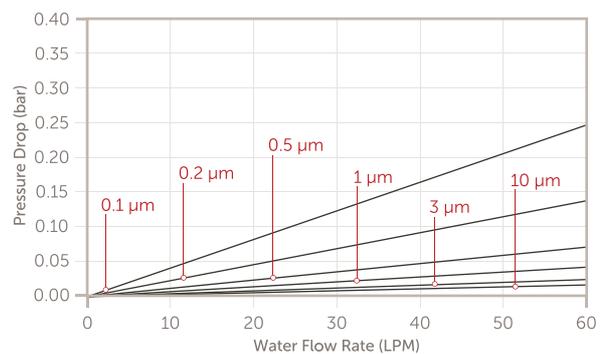
ProcessGard PTFE-HP Plus, Code 0 10" cartridge



ProcessGard PTFE Plus, Code 6 10" cartridge

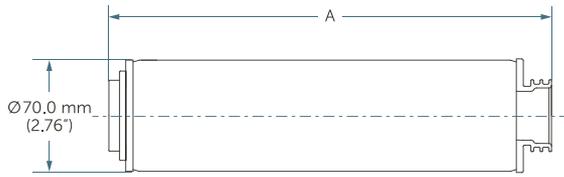


ProcessGard PTFE-HP Plus, Code 6 10" cartridge

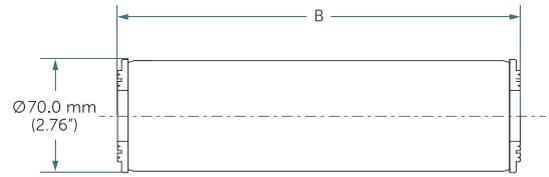


DIMENSIONS

Code 0

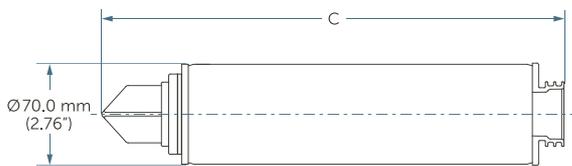


Code F

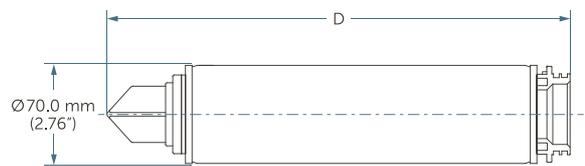


Length	A (Code 0)	B (Code F)
4"	123.5 mm (4.86")	—
5"	143.5 mm (5.64")	—
10"	271.0 mm (10.67")	247.0 mm (9.72")
20"	514.5 mm (20.26")	491.0 mm (19.33")
30"	758.5 mm (29.86")	735.0 mm (28.94")
40"	1002.5 mm (39.47")	979.0 mm (38.54")

Code 5



Code 7



Length	C (Code 5)	D (Code 7)
4"	—	—
5"	—	—
10"	312.5 mm (12.30")	315.0 mm (12.40")
20"	556.0 mm (21.89")	558.5 mm (21.99")
30"	800.0 mm (31.50")	802.0 mm (31.57")
40"	1044.0 mm (41.10")	1045.5 mm (41.16")

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