

Description

The VaraClean VCSC filter provides a unique filtration solution for critical chemical cleaning applications.

Features & Benefits

- Patented highly asymmetric polysulfone membrane has a wide range of chemical compatibilities
- Superior flow rates give faster bath clean-up and reduced energy consumption
- No particle release despite variations in process conditions
- Efficient particle removal and absolute mechanical retention
- Hydrophilic membrane, no need to prewet filter
- No IPA contamination introduced to process chemicals
- Reduced down time, DI water waste, and inconvenience
- Fast rinse-up cartridges are factory-flushed with 18 Megohm-cm ultrapure water
- Cleanroom manufactured



Specifications

Medium	Hydrophilic asymmetric polysulfone (single layer)
Hardware	Polysulfone
Support	Polypropylene
Sealing	Thermal bond

Removal Ratings	0.05 μm , 0.1 μm
Nominal Length	102 mm / 4 in., 254 mm / 10 in.
Diameter	66 mm / 2.6 in
Maximum Forward Differential Pressure	6.5 bar @ 20 °C / 90 psid @ 68 °F 5.0 bar @ 60 °C / 72 psid @ 140 °F
Compatibility	Compatible HF ^{1, 2} , BOE, TMAH and other commonly used cleans and etch bath chemicals at ambient temperatures.

¹ Polysulfone is not compatible with many solvents and concentrated acids. Call for recommendations.

² Consult Pall Microelectronics for specific recommendations.

Performance Parameters

Part Numbers	Removal Ratings (µm)	Water Flow for 254 mm / 10 in Element		Clean Pressure Drop in Water for 254 mm / 10 in Element	
		lpm / 100 mbar	gpm / psid	mbar / lpm	psid / gpm
VCSC050	0.05	8.2	1.5	12.2	0.67
VCSC100	0.1	9.3	1.7	10.7	0.59

Part Numbers/Ordering Information

Part Numbers	Removal Ratings (µm)	Cartridge Length	O-Ring Material
VCSC050P04M3F	0.05	4 in. / 102 mm	FEP encapsulated fluorocarbon
VCSC050P10M3F	0.05	10 in. / 254 mm	FEP encapsulated fluorocarbon
VCSC100P04M3F	0.1	4 in. / 102 mm	FEP encapsulated fluorocarbon
VCSC100P10M3T	0.1	10 in. / 254 mm	FEP encapsulated silicone

Unit conversion: 1 bar = 100 kilopascals



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IF APPLICABLE Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

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