

Disc Filters & Holder

High Flow Rate Membrane and Media for
Lab and Bench Scale Filtration



Designed for research scale filtration of liquids and gases, disc filters are available in a wide range of media types at specific pore sizes (see table on page 2). Critical Process offers a 47mm disc and holder combination for your laboratory use and additional disc sizes for your existing holders. Disc sizes range from 13 mm through 142 mm diameters.

Disc filters are used with pharmaceuticals, industrial chemicals, solvents, water and process gases in the following applications:

- Aseptic Sampling of Fluids
- Contamination Analysis
- Particulate & Filterability Testing
- Process Scale-Up Studies
- Validation Studies
- Small Vent Filters

All materials of construction are FDA compliant and have been validated to pass USP Class VI toxicology, endotoxin and other quality tests.

CSH 47mm 316L Stainless Steel Disc Holders are true sanitary housings with no threaded vents or ports. They come with a clamp on twist valve assembly allowing for complete removal and cleaning of all components. The sanitary vent valve facilitates venting, draining, sampling, and integrity testing, and a single clamp closure enables easy disassembly and disc change out.

The CSH is electropolished for maximum corrosion resistance and cleanability. The inlet and outlet are 3/4" sanitary flanges and the vent fitting is a 1/2" sanitary flange. O-rings and gaskets are silicone.



CSH DISC HOLDERS – 47 mm

Clarification & Prefiltration

Bioburden Control

Sterilizing Filters

Tank Vent & Process Gas



DISC FILTERS come in a variety of sizes from 13 mm through 142 mm diameters for multiple sized holders.

Critical Process provides unrivaled delivery times, technical consulting before purchasing, and very competitively priced high-performance products. Our comprehensive testing/analysis and validation services support your team whenever they need it. Your process experts partnering with our filtration experts is how we deliver your company's solution right the first time.

Pore Sizes Available for Each Media

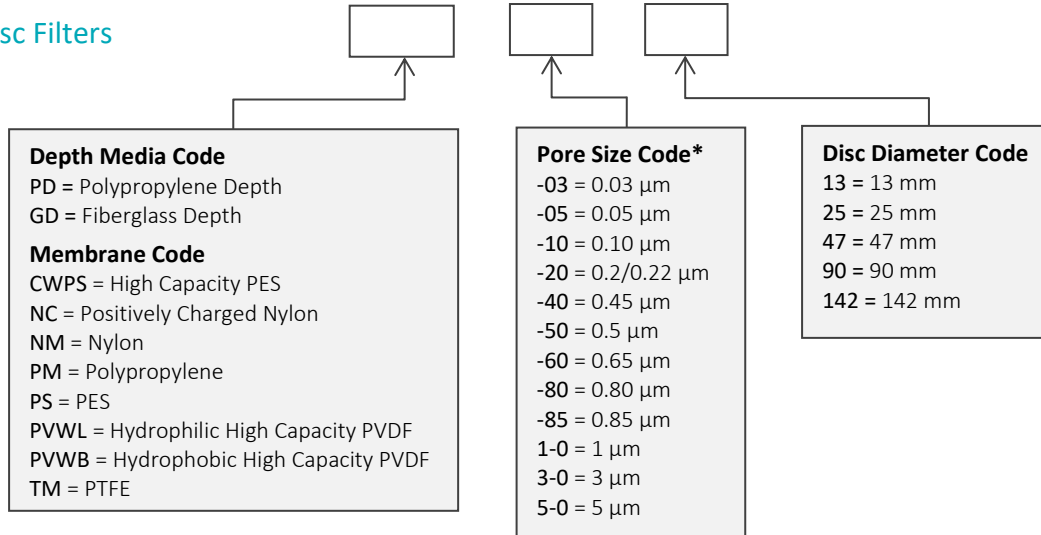
Media/Membrane	Pore Size (micron)														
	0.03	0.05	0.10	0.2	0.22	0.45	0.5	0.65	0.80	0.85	1	1.2	3	5	10
Polypropylene Depth Media			•		•	•		•			•		•	•	•
Fiberglass Depth Media					•	•		•			•		•	•	•
Polyethersulfone (PES) Membrane	•		•		•	•		•	•		•	•			
Polyethersulfone (PES) Membrane, <i>High Capacity</i>				•			•				•				
Nylon 6,6 Membrane			•		•	•		•							
Nylon 6,6 Membrane, <i>Positively Charged</i>	•	•	•		•	•		•	•			•			
Polyvinylidene Fluoride (PVDF) Membrane, <i>Hydrophilic High Capacity</i>					•	•		•		•	•				
Polyvinylidene Fluoride (PVDF) Membrane, <i>Hydrophobic High Capacity</i>					•	•		•		•	•				
Polypropylene Membrane			•		•										
Polytetrafluoroethylene (PTFE) Membrane		•	•		•	•					•			•	•

Disc Filters Ordering Information

All Critical Process filters are configurable to meet customer specifications.
Fill in the corresponding code in the box below to build your Part Number.

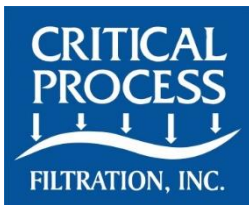
To consult with one of our technical team members, request a quote or place an order:
call (603) 880-4220 Ext. 106, or send an email to sales@criticalprocess.com

Disc Filters



*Not all pore sizes are available for all media or membranes. Check the cartridge or capsule data sheet for available pore sizes, or contact Customer Service at (603) 880-4420 for assistance.

Stainless Steel Disc Holder - Part Number CSH-47.



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