

## PV® SERIES PLEATED HYDROPHILIC PVDF MEDIA PHARMACEUTICAL GRADE FILTER CARTRIDGE

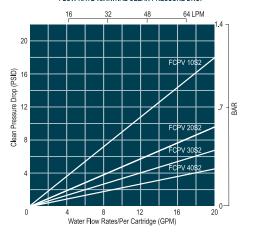
- Cartridge is a validated, pleated hydrophilic PVDF membrane over a non-woven polypropylene support layer
- Absolute rated at 0.2µ
- Code 0, Code 5, and Code 7 configurations are available in 10, 20 30, and 40-in lengths that are 100% tested in manufacturing to ensure absolute bacteria retention with typical titre reduction of >10<sup>7</sup>/cm<sup>2</sup>
- Meet current USP Class VI Biological Tests for Plastics, with a validation certificate available to support the bacteria challenge results.
- Contains no surfactants or coatings to interfere with your application, and the thermo-plastic construction process minimizes extractables
- Supported single layer membrane ensures strength, while exhibiting low pressure drop and exceptionally high flow rates
- These validated cartridges can be sterilized by autoclaving

## **CARTRIDGE SPECIFICATIONS**

Dimensions		
Diameter (OD)	2.75" (7.0 cm)	
Length (in)	10, 20, 30, 40	
Materials		
Cartridge	Polypropylene caps, core and cage	
Media	PVDF	
Seals	Silicone o-rings	
Operating Parameters		
Maximum Temperature	170°F (80°C) @ 25 psid (1.7 bar)	
Maximum Differential Pressure @ 25°C	85 psi (5.5 bar)	
Filtration Efficiency	100% Absolute	
Toxicity	Non-toxic by USP Class VI Biological test for plastics	
Validation	HIMA Bacterial challenge test methods (10 <sup>7</sup> organisms/cm <sup>2</sup> )	
Recommened Water Flow Rates		
0.2 μm	1.0 gpm/10" length (3.8 lpm/10" length)	
Sanitizing Agents		
Chlorine, hydrogen peroxide, autoclaved f	for 20 minutes at 121°C under no loa	ad conditions
Integrity Test		
Pore Size	Minimum Water Bubble Point	Diffusional Flow (cc/min) @
		Test Pressure per 10" length
0.2 μm	≥ 45 psig (≥ 3.1 bar)	≤ 13 @ 40 psig (3.1 bar)



## FLOW RATE vs. INITIAL CLEAN PRESSURE DROP



## **ORDERING INFORMATION**

Catalog Number and Description		
FCPV	Filter CartridgePharmaceutical/Validated	
х	Cartridge Code:	
	<b>0</b> = 2-222 o-rings	
	<b>5</b> = 2-222 o-rings w/spear end	
	<b>7</b> = 2-226 o-rings locking tabs w/spear end	
XX	Length (in): <b>10</b> = 10, <b>20</b> = 20, <b>30</b> = 30, <b>40</b> = 40	
S2	Micro rating: <b>S2</b> - 0.2 μm	

To figure your order number, replace the X with one of the numbered or lettered options beside it. Note: Not all part number combinations are available; consult Technical Support for assistance.

24-Hour Customer Service: +1 (800) 466-7873 www.evoqua.com

PV is a trademark of Evoqua, its subsidiaries or affiliates, in some countries.

All information presented herein is believed reliable and in accordance with accepted engineering practices. Evoqua makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product suitability for specific applications. Evoqua assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale or misuse of its products.