

FROM 500LPM

PPP-HF

Premier Pleat High Flow Polypropylene

Highest Flow For Your Money

What is the PPP-HF?

SPECTRUM PPP Polypropylene cartridge offers the most economic filtration while maintaining a high efficiency of 99.2% making it ideal for use in typical applications such as RO pre-filtration, general clarification and condensate return.

Key Features

- Manufactured from FDA compliant material Polypropylene (99.20%)
- Multi layered graded pore density structure results in a media with excellent particulate removal capabilities
- Inside to out flow pattern prevents any potential contamination on cartridge changeout
- Available in a variety of absolute rated micron sizes

Ordering Guide

Code	Micron	Length	Seal
PPP-HF	1 / 5 / 10 / 20 / 40 / 70	20 / 40 / 60	E

Example: PPP-HF-1-20E



FROM 500LPM

PPG-HF

Premier Pleat High Flow Glass Fibre

Absolute Rated for Precise Filtration

What is the PPG-HF?

Manufactured using only strong Borosilicate glass fibre media with two rigid support layers, the cartridge is able to meet demanding flow rate requirements without comprising the integrity of the media.

Key Features

- Manufactured from FDA compliant material Glass Fibre (99.98%)
- Multi layered graded pore density structure results in a media with excellent particulate removal capabilities
- Inside to out flow pattern prevents any potential contamination on cartridge changeout
- Available in a variety of absolute rated micron sizes

Ordering Guide

Code		Micron		Length		Seal
PPG-HF	—	0.45 / 1 / 3 / 5 / 10	—	10 / 20 / 30 / 40		S / E / V

Example: PPP-HF-1-20V

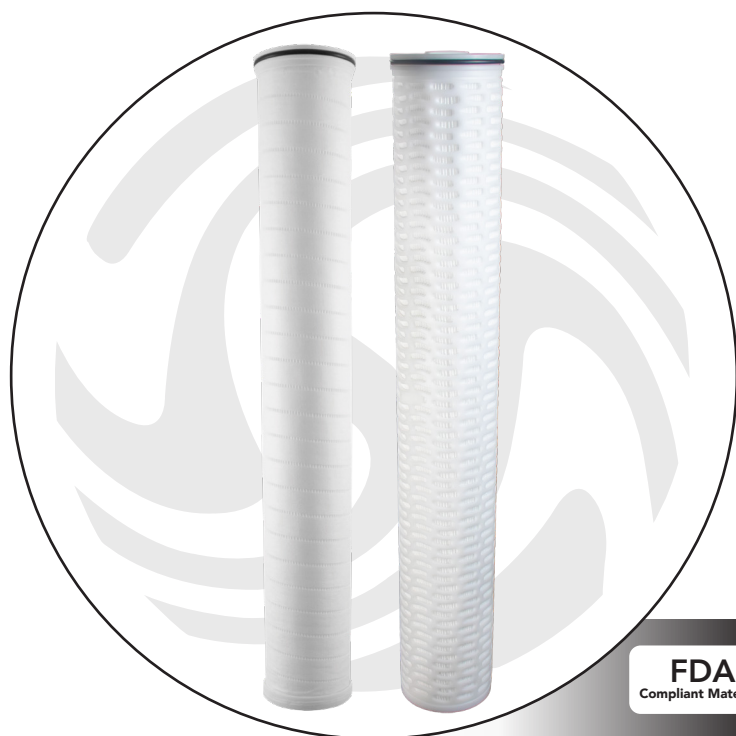


HIGHEST FLOW FOR YOUR MONEY

The best value for initial capital expenditure and ongoing replacement costs, makes this range the go-to product for high flow applications. The multi-layered, reinforced pleat pack delivers exceptional dirt-holding capacity and low pressure drop at high flow rates. Compared to other cartridges of equal efficiency, the high flow filter cartridges also have a longer service life.

One high flow filter cartridge replaces a number of standard 10" filter cartridges, reducing operating costs and time during change outs.

The high flow pleated cartridges offers the most economical filtration whilst maintaining a high efficiency, making it ideal for applications such as RO pre-filtration, general clarification and condensate return.



FDA
Compliant Materials

MATERIALS OF CONSTRUCTION



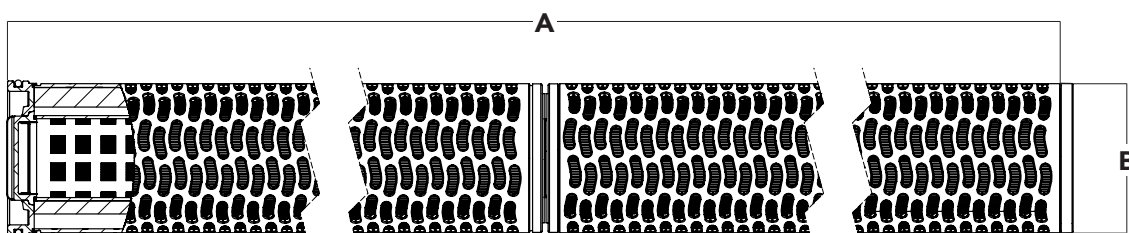
Media:	Polypropylene, Glass Fibre
Core:	Polypropylene
Cage:	Polypropylene
End-cap:	Polypropylene
Seal:	EPDM

TECHNICAL DATA



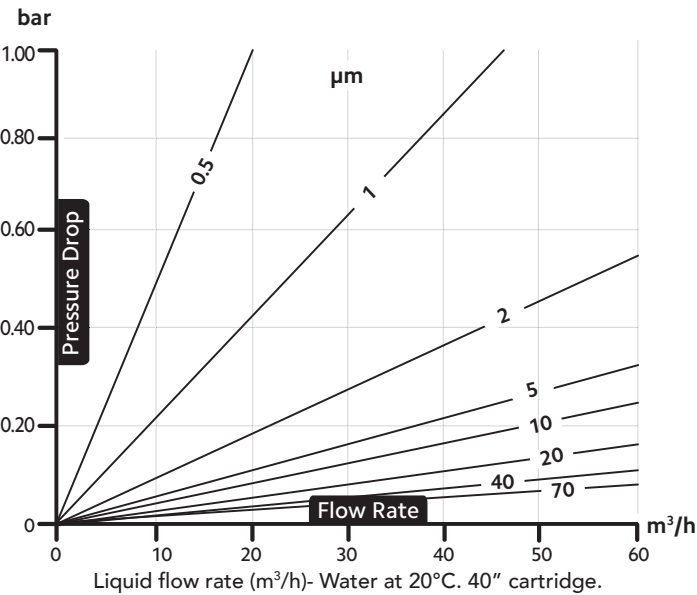
Efficiency (%)	PPP	99.2
	PPG	99.8
Maximum Operating Pressure Differential (psi)		2.4 bar at 20°C
Maximum Operating Temperature (°C)		80

DIMENSIONS



Dimensions (mm)		
Length (")	A	B
20	525	154.5
40	1033	154.5
60	1541	154.5

FLOW RATE



ORDERING GUIDE

Code	Micron (µm)	Length (")	Seal	Cage
PPP-HF	1, 2, 5, 10, 20, 40, 70	20, 40, 60	E	H (hard cage)
PPG-HF				

e.g. PPP-HF-5-40E-H

PRODUCT RANGE

The below products have often been associated with this product.



UP TO 500LPM

EPBP

Pleated Cartridge for Bag Housing

Economic Pleated Depth Technology

What is the EPBP?

Combining cost-effectiveness and excellent value for money with high-performance filtration. With a primary filter layer that is made from steam-processed polypropylene felt, this ensures no fibre release whilst providing exceptional filtration integrity.

Key Features

- Wide chemical compatibility, suitable for using in a variety of fluids
- Multiple pleated layer construction with a high filtration area
- Higher dirt holding capacity, longer service life
- The inside-to-outside fluid flow ensures the unwanted particles are captured
- Reduces operating costs due to impressive capacity

Ordering Guide

Code	Media		Micron		Size
EPB	Polypropylene (P)	—	5 / 10	—	1 / 2

Example: EPBP-0.5-1



UP TO 500LPM

SPBP

Pleated Cartridge for Bag Housing

Standard Extended Service Life

What is the SPBP?

Combining the benefits of cartridge and bag technologies into a single, high-performance solution. The SPBP has a multi-layered, depth-pleated structure to ensure superior particulate removal efficiency and an extended service life compared to similar efficiency cartridges.

Key Features

- Wide chemical compatibility, suitable for using in a variety of fluids
- Multiple pleated layer construction with a high filtration area
- Higher dirt holding capacity, longer service life
- The inside-to-outside fluid flow ensures the unwanted particles are captured
- Efficiency of 95%

Ordering Guide

Code	Media	Micron	Size
SPB	Polypropylene (P)	0.5 / 1 / 3 / 5 / 10 / 20 / 40 / 50 / 70 / 100	1 / 2

Example: SPBP-0.5-1



PPBP

Pleated Cartridge for Bag Housing

Premier High Efficiency

What is the PPBP?

This multi-stage gradient filtration design ensures exceptional efficiency and extended service life. With its robust construction and enhanced capabilities, the PPBP is particularly suited for prefiltration, delivering reliable and long-lasting performance in high-demand environments.

Key Features

- Wide chemical compatibility, suitable for using in a variety of fluids
- Multiple pleated layer construction with a high filtration area
- Higher dirt holding capacity, longer service life
- Efficiency of 85% (0.5µm-5µm), 95% (10µm-100µm)

Ordering Guide

Code	Media	Micron	Size
PPB	Polypropylene (P)	0.5 / 1 / 3 / 5 / 10 / 20 / 40 / 50 / 70 / 100	1 / 2

Example: PPBP-0.5-1



ECONOMIC PLEATED DEPTH TECHNOLOGY

Combining cost-effectiveness and excellent value for money with high-performance filtration. With a primary filter layer that is made from steam-processed polypropylene felt, this ensures no fibre release whilst providing exceptional filtration integrity. With a thickness 10-20 times greater than standard polypropylene bags, the EPBP delivers an ultra-high flow rate with a low pressure drop, making it ideal for prefiltration applications. Its excellent porous structure significantly extends service life to up to 4 times that of traditional filter bags, ensuring long-lasting, reliable performance.



FEATURES & BENEFITS



- Wide chemical compatibility, suitable for using in a variety of fluids
- Multiple pleated layer construction with a high filtration area
- Suitable for high flow applications
- The inside-to-outside fluid flow ensures the unwanted particles are captured
- Reduces operating costs due to impressive capacity
- Available in size 1 & 2
- Higher dirt holding capacity, longer service life

TECHNICAL DATA



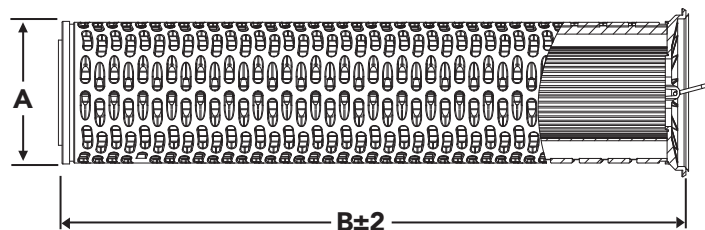
Maximum Operating Pressure Differential (psi)	2 bar @ 20°C	
Maximum Operating Temperature (°C)	80	
Recommended Change Out Differential Pressure	1.5 bar @ 20°C	
Efficiency	80%	
Max Flow Rate (lpm)	Size 1	Size 2
	250	500
Surface Area (m²)	0.9	1.6

MATERIALS OF CONSTRUCTION



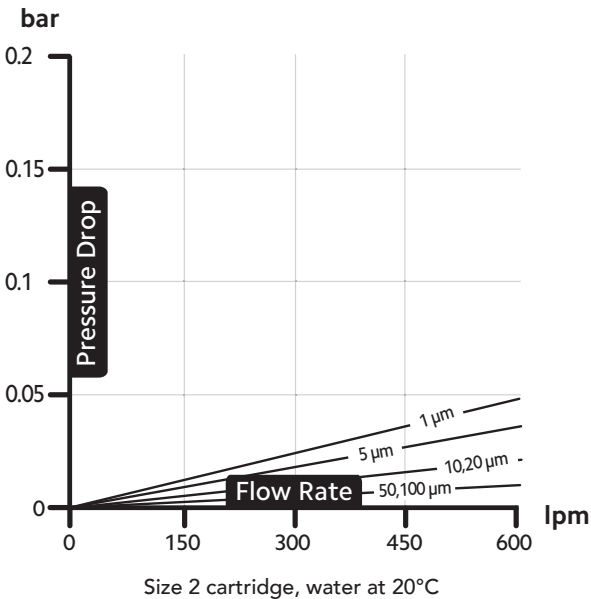
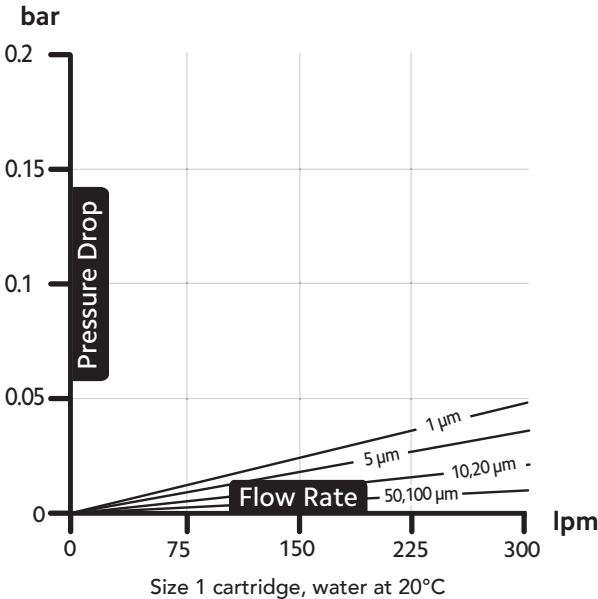
Media:	Polypropylene
Support:	Polypropylene
End Cap:	Polypropylene
Handle:	304 Stainless Steel

DIMENSIONS



Dimensions		
Bag Size	A (mm)	B (mm)
1	154	296
2	154	650

FLOW RATE



ORDERING GUIDE

Code	Media	Micron (µm)	Size
EPB	Polypropylene (P)	1, 5, 10, 20, 50, 100	1, 2

e.g. EPBP-0.5-1

STANDARD EXTENDED SERVICE LIFE

Combining the benefits of cartridge and bag technologies into a single, high-performance solution. The SPBP has a multi-layered, depth-pleated structure to ensure superior particulate removal efficiency and an extended service life compared to similar efficiency cartridges. Featuring an innovative in-to-out flow design, the SPBP effectively traps unwanted particles within the cartridge, while its large surface area allows it to replace multiple 10" filters. This design reduces operating costs and simplifies maintenance by minimising the frequency and complexity of change-outs, making it a time and cost effective choice.



FEATURES & BENEFITS



- Wide chemical compatibility, suitable for using in a variety of fluids
- Multiple pleated layer construction with a high filtration area
- Suitable for high flow applications
- The inside-to-outside fluid flow ensures the unwanted particles are captured
- Reduces operating costs due to impressive capacity
- Available in size 1 & 2
- Highest surface area and dirt holding capacity in the range, longest service life.

TECHNICAL DATA



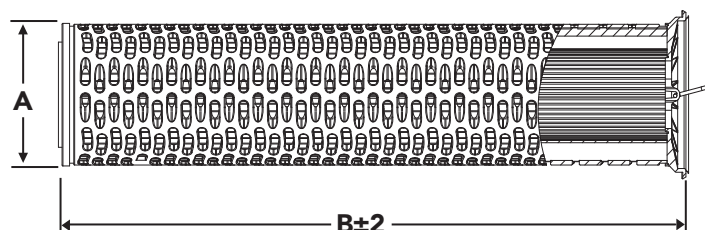
Maximum Operating Pressure Differential (psi)	2 bar @ 20°C	
Maximum Operating Temperature (°C)	80	
Recommended Change Out Differential Pressure	1.5 bar @ 20°C	
Efficiency	90%	
Max Flow Rate (lpm)	Size 1	Size 2
	250	500
Surface Area (m²)	2.5	4.3

MATERIALS OF CONSTRUCTION



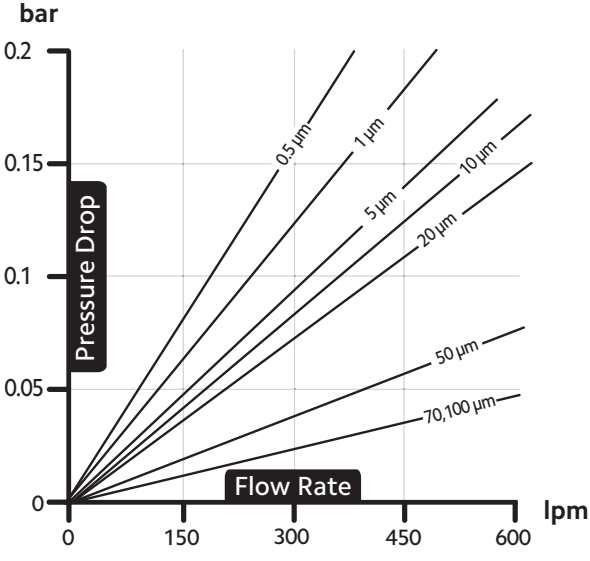
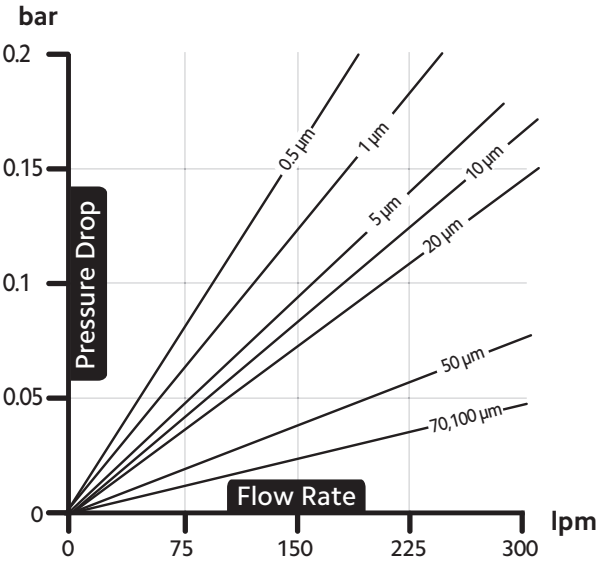
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FLOW RATE



ORDERING GUIDE



Code	Media	Micron (µm)	Size
SPB	Polypropylene (P)	0.5, 1, 5, 10, 20, 50, 70, 100	1, 2

e.g. SPBP-0.5-1

PREMIER HIGH EFFICIENCY

Engineered for superior performance, featuring a main filter layer composed of up to 7 layers of polypropylene membrane. This multi-stage gradient filtration design ensures exceptional efficiency and extended service life, making it ideal for applications for strict requirements. With its robust construction and enhanced capabilities, the PPBP delivers reliable and long-lasting performance in high-demand environments.



FEATURES & BENEFITS



- Wide chemical compatibility, suitable for using in a variety of fluids
- Multiple pleated layer construction with a high filtration area
- Suitable for high flow applications
- The inside-to-outside fluid flow ensures the unwanted particles are captured
- Reduces operating costs due to impressive capacity
- Available in size 1 & 2
- Highest efficiency in the range, offering absolute filtration along with excellent service life.

TECHNICAL DATA



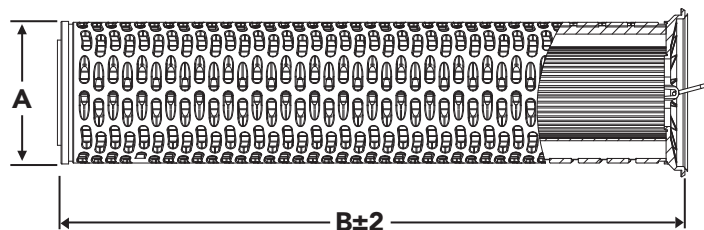
Maximum Operating Pressure Differential (psi)	2 bar @ 20°C	
Maximum Operating Temperature (°C)	80	
Recommended Change Out Differential Pressure	1.5 bar @ 20°C	
Efficiency	99.98%	
Max Flow Rate (lpm)	Size 1	Size 2
	250	500
Surface Area (m ²)	1.2	2.1

MATERIALS OF CONSTRUCTION



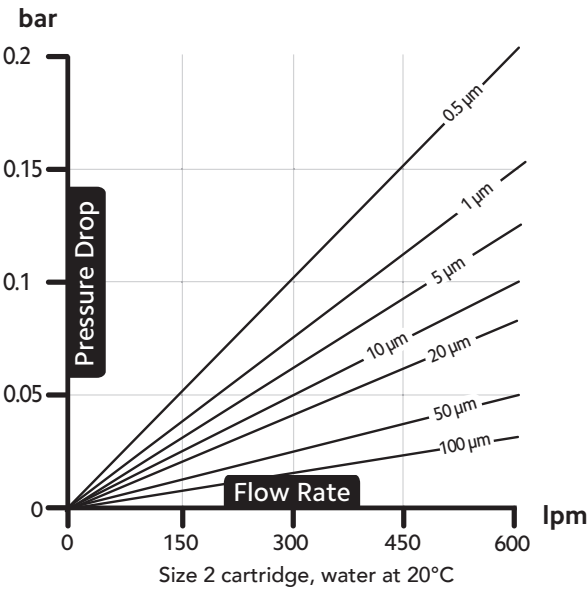
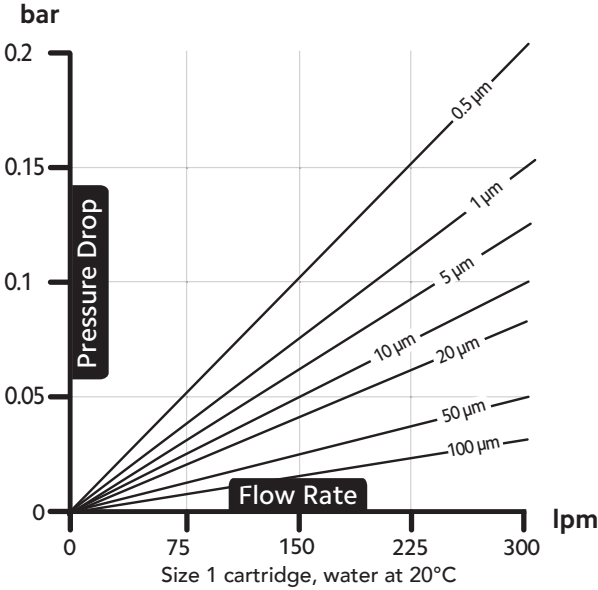
Media:	Polypropylene
Support:	Polypropylene
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e.g. PPBP-0.5-1