

PROSPUN Filter Cartridges

- liquid filters
- polypropylene

PROSPUN C is the most economical solution for delivering general liquid clarification and particle retention. It can be used as a guard filter to protect the process against high variable levels of particulate.

- Economical general clarification
- High strength bonded fibre construction
- Ideal for primary stage filtration
- Nominal retention efficiency for general clarification duties

PROSPUN T offers consistent retention characteristics and a high level of security that is enhanced by the option to incorporate plug-in o-ring seal adapters on the cartridge.

The service life of PROSPUN T is maximized through the use of closely controlled density and diameter fibre technology.

- High dirt holding capacity
- Range of end cap adapters and seals
- Excellent protection of downstream process
- >90% efficiency at given rating

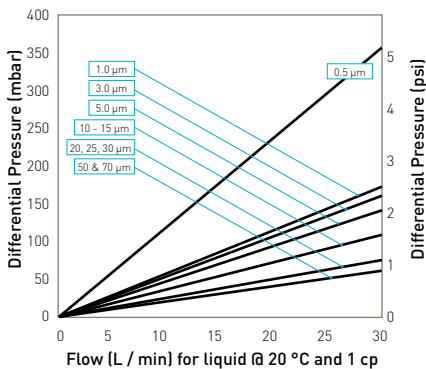
PROSPUN A - Closely controlled fibre diameter and density in a multiple layered construction serve to maximize service life of PROSPUN A whilst delivering absolute particle retention.

- High dirt holding capacity
- Range of end cap adapters, seals and additional support for backwash applications
- Consistent absolute retention under a wide range of operating conditions

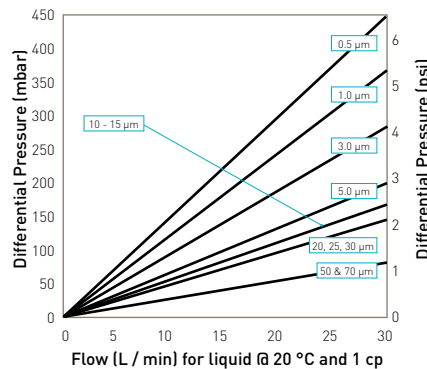


Note: PROSPUN is a registered trademark of Parker domnick hunter

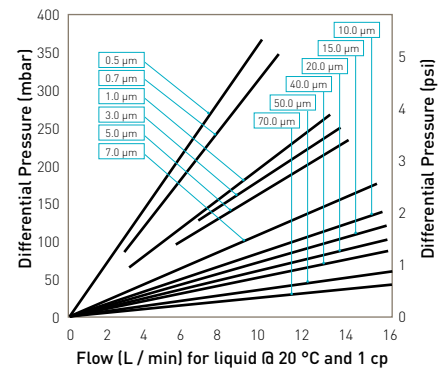
Performance Characteristics



PROSPUN C



PROSPUN T



PROSPUN A

Specifications

Materials of Construction

- Filtration Media: Polypropylene
- End Caps: Polypropylene
- Seals: As Required

Food and Biological Safety

Materials conform to the relevant requirements of 21CFR Part 177, EC1935 / 2004 and current USP Plastics Class VI - 121 °C and ISO10993 equivalents.

Recommended Operating Conditions

Up to 60 °C (140 °F) continuous operating temperature and higher short-term temperatures during CIP to the following limits:

Temperature °C	Temperature °F	Max. Forward dP (bar)	Max. Forward dP (psi)
20	68	5.0	72.5
40	104	4.0	58.0
60	140	3.0	43.5
80	176	2.0	29.0
90	194	1.0	14.5
>100 (steam)	>212 (steam)	0.3	4.0

Cleaning and Sterilization

PROSPUN cartridges can be repeatedly steam sterilized in situ or autoclaved at up to 121 °C (249.8 °F). They can be sanitized with hot water at up to 90 °C (194 °F) and are compatible with a wide range of chemicals.

For detailed operational procedures and advice on cleaning and sterilization, please contact the Technical Support Group through your usual Parker domnick hunter contact.

Dimensions

Nominal outside diameter: 2.4" (62 mm)
Nominal inside diameter: 1.1" (29 mm)

Length	Connection Configuration	
	B Seal-Seal	L and O Seal-Seal Single Open Ended Shoulder-Shoulder
1	9.87" (251 mm)	10" (254 mm)
2	19.50" (498 mm)	20" (508 mm)
3	29.37" (746 mm)	30" (762 mm)
4	39.12" (994 mm)	40" (1016 mm)

Optional reinforcing cage available for PROSPUN A, contact Parker domnick hunter for details.

Minimum Box Quantities

Cartridge Size	Quantity
10" (254 mm)	40
20" (508 mm)	20
30" (762 mm)	20
40" (1016 mm)	20

Recommended Rinse Volume

Prior to use - 10 litres per 10" (250 mm) filter cartridge.

Ordering Information

PR [] - [] - [] [] []

Code Type	Code Length (Nominal)	Code Micron PROSPUN C	Code Micron PROSPUN T	Code Micron PROSPUN A	Code Endcap (10")	Code Seal	Code Cage
SC* PROSPUN C	1 10" (250 mm)	.5 0.5 µm	.5 0.5 µm	.5 0.5 µm	B dh DOE	Blank None	S Standard
ST PROSPUN T	2 20" (500 mm)	01 1.0 µm	01 1.0 µm	.7 0.7 µm	C BF / 226 Bayonet	E EPDM	No Cage
SA PROSPUN A	3 30" (750 mm)	03 3.0 µm	03 3.0 µm	01 1.0 µm	D Fin / 222	F Polyethylene Foam	L Lightweight
	4 40" (1000 mm)	05 5.0 µm	05 5.0 µm	03 3.0 µm	E Flat / 222	S Silicone	Reinforcing Cage*
		10 10.0 µm	10 10.0 µm	05 5.0 µm	L DOE	V Viton*	Heavyweight
		15 15.0 µm	15 15.0 µm	10 10.0 µm	O Plain Cut End		Reinforcing Cage*
		20 20.0 µm	20 20.0 µm	15 15.0 µm			
		25 25.0 µm	25 25.0 µm	20 20.0 µm			
		30 30.0 µm	30 30.0 µm	40 40.0 µm			
		50 50.0 µm	50 50.0 µm	50 50.0 µm			
		75 75.0 µm	75 75.0 µm	70 70.0 µm			

*Only available with plain cut ends or with polyethylene foam seal

PROSPUN A only

PROSPUN A only

For non-standard lengths, insert seal-seal (O,B,L configurations) or shoulder-shoulder (single open end configurations) in millimeters.