



PROSTEEL A & N Filters

- liquid filters
- 316L stainless steel

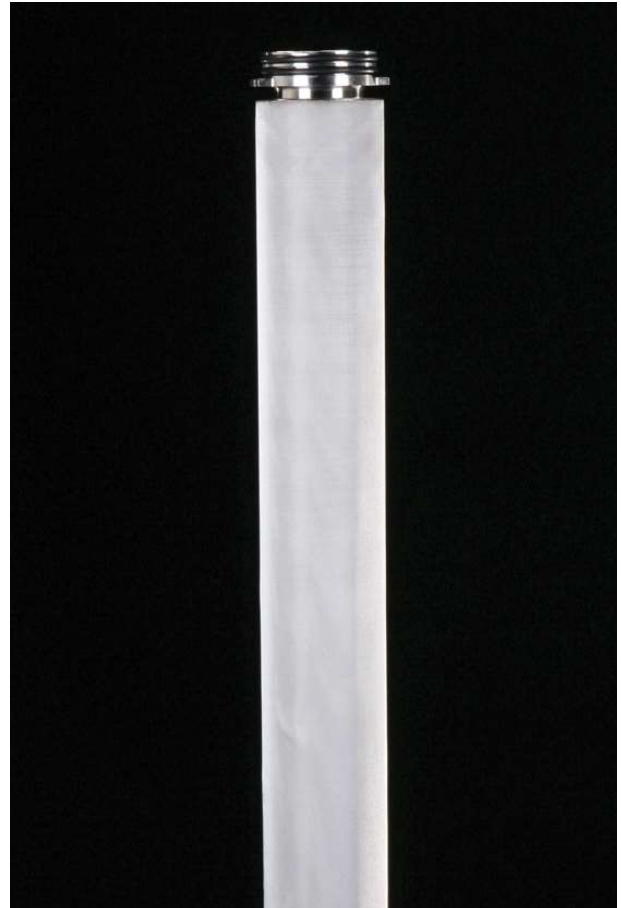
PROSTEEL filters provide the ideal solution in applications where traditional polymer based filters are limited by compatibility, exposure time or a combination of high temperature and viscosity.

They are ideally suited to filtration of solvents used in a wide range of processes in pharmaceutical production.

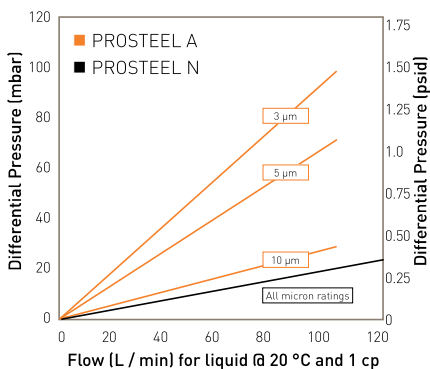
The Parker range of stainless steel filters provides the solution to compatibility issues while maintaining excellent flow rates for clarifying duties. The filters are available in two formats, in both absolute and nominal retention ratings and in a pleated or cylindrical wrap construction. This allows a cost-effective selection depending on flow rate, retention and dirt holding requirements.

Features and Benefits

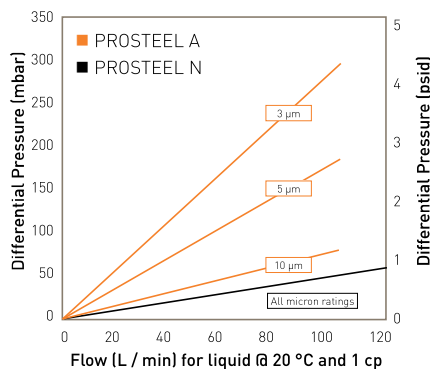
- Absolute and nominally rated stainless steel liquid filters
- Ideal for aggressive solvents, viscous and hot solutions
- PROSTEEL A available in 3, 5 and 10 micron removal ratings
- PROSTEEL N removal rating from 5 to 100 microns
- Compatible with most solvents
- Stainless steel mesh ensures excellent regeneration characteristics for extended service life
- Available in two formats; pleated and wrapped, for complete system optimization



Performance Characteristics



Pleated cartridge flow rates
10" Size (250 mm) Cartridge



Cylindrically wrapped cartridge flow rates
10" Size (250 mm) Cartridge

Specifications

Materials of Construction

- Filtration Media: 316L Stainless Steel
- Inner Support Core: 316L Stainless Steel
- Outer Protection Cage: 316L Stainless Steel
- End Caps: 316L Stainless Steel
- Standard o-rings/gaskets*: EPDM
- Assembly Method: TIG Welded

*All o-rings are manufactured from FDA approved compounds.

Recommended Operating Conditions

Operating Temperature		Maximum Forward DP		Maximum Reverse DP	
°C	°F	(bar)	(psi)	(bar)	(psi)
200	392	25	364	3	44

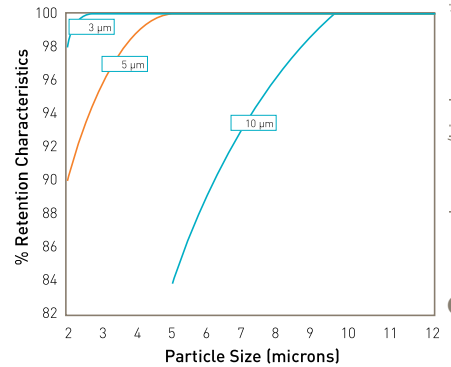
Note: The maximum operating temperature is dependent on o-ring selection and properties of the liquid being filtered.

Effective Filtration Area (EFA)

- ZCCF / ZCCM Cylindrical Wrap
10" [250 mm] 0.05 m² [0.53 ft²]
- ZCMF / ZCPM Pleated
10" [250 mm] 0.13 m² [1.39 ft²]

PROSTEEL A Retention Characteristics

The retention characteristics of the stainless steel filters are determined using ACFTD in accordance with the single pass test ASTM 795-88.



Ordering Information

Prosteel A

Code Type	Code Length (Nominal)	Code Micron	Code Endcap (10")	Code O-rings
CF Wrapped	B 2.5" (65 mm)	003 3.0 µm	B dh DOE	E* EPDM
MF Pleated	A 5" (125 mm)	005 5.0 µm	C 226 Bayonet/Flat	P PTFE Encapsulated Silicone
	1 10" (250 mm)	010 10.0 µm		S Silicone
	2 20" (500 mm)			V Viton
	3 30" (750 mm)			
			Code Endcap (Demi)	
			T TRUESEAL	*EPDM o-ring supplied as standard without having to specify the 'E' code.
			Z Demi A & B Std	

Prosteel N

Code Type	Code Length (Nominal)	Code Micron	Code Endcap (10")	Code O-rings
CM Wrapped	B 2.5" (65 mm)	005 5.0 µm	B dh DOE	E* EPDM
PM Pleated	A 5" (125 mm)	010 10.0 µm	C 226 Bayonet/Flat	P PTFE Encapsulated Silicone
	1 10" (250 mm)	020 20.0 µm		S Silicone
	2 20" (500 mm)	040 40.0 µm		V Viton
	3 30" (750 mm)	100 100.0 µm		
			Code Endcap (Demi)	
			T TRUESEAL	*EPDM o-ring supplied as standard without having to specify the 'E' code.
			Z Demi A & B Std	

All cartridges are supplied as single items.