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.

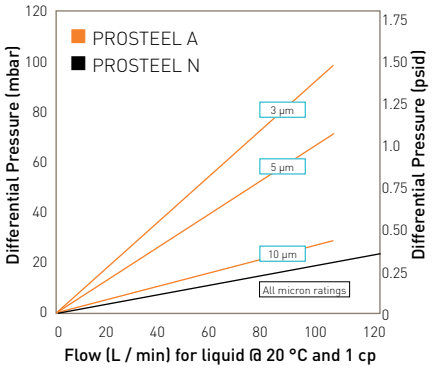
They are ideally suited to filtration of solvents used in a wide range of processes in pharmaceutical production.

The Parker domnick hunter 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 culindrical wrap construction. This allows a cost-effective selection depending on flow rate, retention and dirt holding requirements.

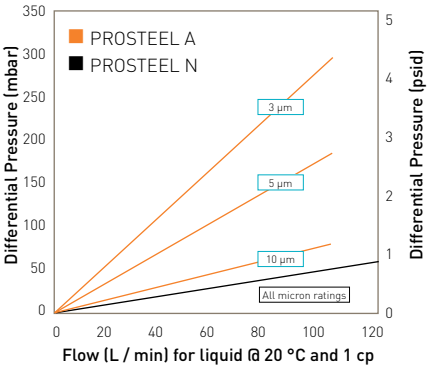
Features and Benefits

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

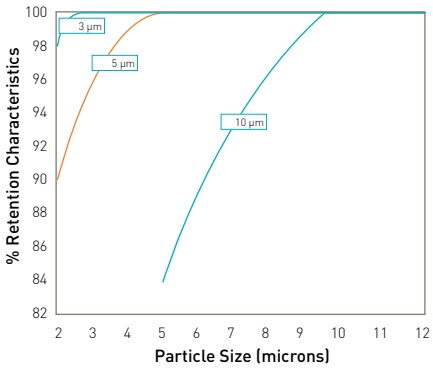
Note: The maximum operating temperature is dependant on o-ring selection and properties of the liquid being filtered.

Effective Filtration Area (EFA)

- ZCCM Cylindrical Wrap
  10" (250 mm) 0.05 m^2 (0.53 ft^2)
- ZCPM Pleated
  10" (250 mm) 0.13 m^2 (1.39 ft^2)

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

ZC □ □ - □ □ - □

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	BF / 226 Bayonet	P	PTFE Encapsulated Silicone
		1	10"	(250 mm)	010	10.0 µm	T	TRUESEAL	S	Silicone
		2	20"	(500 mm)					V	Viton*
		3	30"	(750 mm)					Z	Demi A & B Std

Prosteel N

ZC □ □ - □ □ - □

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	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				

All cartridges are supplied as single items.

Code | Endcap (Demi)	
T	TRUESEAL
Z	Demi A & B Std

**EPDM o-ring supplied as standard without having to specify the 'E' code.*

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