



TECHNICAL SHEET

PENTEK

ALL NATURAL HOUSINGS
FILTER HOUSINGS





PENTEK ALL NATURAL HOUSINGS



TECHNICAL CHARACTERISTICS

- Types of cartridges:
 - #10: DOE (double open end)
 - #12: 222 o-ring sealing
 - #20: DOE and 222 o-ring sealing
- Maximum temperature: 37,8°C
- Maximum pressure: 6,9 bar
- Housing: all natural polypropylene
- Cap: all natural polypropylene
- O-Ring: Viton

PERFORMANCE CHARACTERISTICS

Model	Initial ΔP @ flow rate
#10	0,07 bar @ 38 Lpm
#12	0,07 bar @ 38 Lpm
#20	0,07 bar @ 38 Lpm

PRODUCT SPECIFICATIONS

Model	Maximum dimensions	Inlet/outlet ports
#10	306 mm x 129 mm (12 1/2" x 5 1/8")	3/4" BSP or NPT
#12	383 mm x 129 mm (15 3/8" x 5 1/8")	3/4" BSP or NPT
#20	567 mm x 130 mm (29 1/8" x 5 1/8")	3/4" BSP or NPT

CHEMICAL COMPATIBILITY CHART

Semiconductor processing materials	Pure Poly 20°C	Pure Poly 60°C	PVDF 20°C	PVDF 60°C	Viton®
Acetic acid 99,7% (51,7°C max)	R	C	R	R	NR
Acetic acid 50%	R	R	R	R	R
Acetone 99,5%	R	R	NR	NR	NR
Ammonium fluoride 40%	R	R	R	R	R
Ammonium hydroxide 10%	R	R	R	R	R
Hydrochloric acid 37%	R	R	R	R	R
Hydrofluoric acid 49%, 52%	R	R	R	R	R
Hydrogen peroxide 50%	R	C	R	R	R
Methanol 99,9% (60°C max)	R	R	R	R	NR
Methylene chloride 99,8% (40,6°C max)	R	NR	R	NR	R
Methyl ethyl ketone	R	C	NR	NR	NR
N-butyl acetate 99,0%	NR	NR	C	NR	NR
Nitric acid 60%	R	NR	R	C	R
Phosphoric acid 86%	R	R	R	R	R
Potassium hydroxide 45%	R	R	R	R	NR
2-Propanol 99,5%	R	R	R	C	R
Sodium hydroxide 50%	R	R	R	R	R
Sulfuric acid 90%	R	R	R	R	R
Tetrachloroethylene 99,0%	NR	NR	R	R	R
Water-deionized	R	R	R	R	R

R = Resistant

C = Conditionally resistant

NR = Non-resistant

WARNING

Protect against freezing to prevent cracking of the filter and water leakage.
Do not install where system will be exposed to direct sunlight.

