



# 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<br>20°C | Pure Poly<br>60°C | PVDF<br>20°C | PVDF<br>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.

