

# Pleated Polypropylene Filter: SQAPP-series

## Pleated Polypropylene Filter Cartridge

SQAPP-series use the latest gradient fiber media technology to provide excellent micron ratings to submicron grade, high flow rate and high hold capacity by FDA approved materials for wide range of applications. Constructed of thermal-welded polypropylene fiber media, SQAPP-series filters combine exceptional holding capacities with precise micron retention ratings. The retention rating is up to 98%.

### Specifications:

Filter media: Polypropylene

Center core: Polypropylene

Construction: Thermal welded Polypropylene without adhesives, resins or binders.

Max. operating temperature: 125 °F (52 °C)

Max. differential pressure: 60 psi

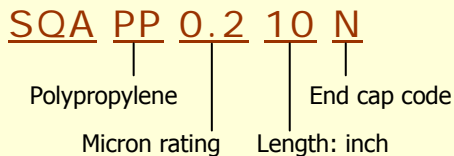
Outer diameter: 2.7" Ø

Micron rating: 0.2, 0.45, 1.0, 5.0 and 10.0 µm.

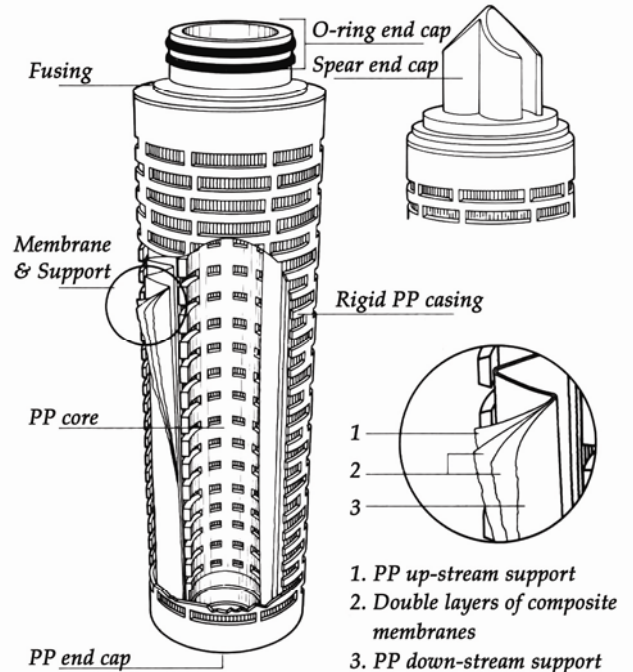
Length: 10", 20", 30" and 40"

Filter media area: 10" > 0.5 m<sup>2</sup>    20" > 1.0 m<sup>2</sup>  
 30" > 1.5 m<sup>2</sup>    40" > 2.0 m<sup>2</sup>

### Part Number Identification:



### Structure:

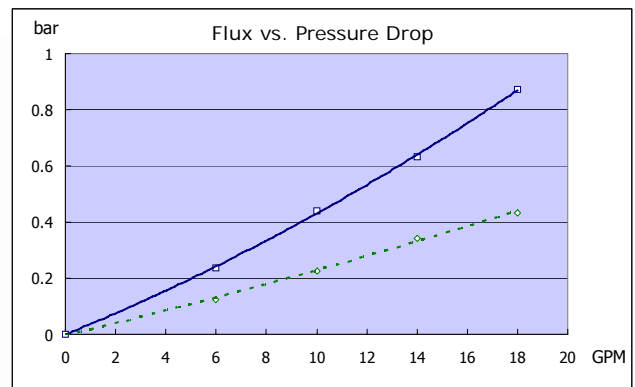


### Ultrafiltration Technology

High-tech process and efficient management were used to produce Watersafe pleated cartridges. Polypropylene casing and support core can provide great structure strength, chemical stability and thermal stability from various feed fluid, and extend the serving life. The cartridge media is welded with other parts to assemble a whole complete filter without any adhesives or additives, and washed by deionized water, which induces no pollutant to the permeate stream.



——— 0.2 µm  
 - - - - 0.45 µm



## Pleated Polypropylene Filter: SQAPP-series

### Particle Removal Ratings

Unit:  $\mu\text{m}$

Particle Removal Efficiency	99.99%	99.9%	99.0%	98.0%
SQAPP0.2	1.0	0.8	0.6	0.2
SQAPP0.45	1.5	1.0	0.8	0.45
SQAPP01	2.0	1.5	1.0	0.8
SQAPP05	5.0	3.0	2.5	2.0
SQAPP10	12.0	10.0	7.0	5.0

### Different materials for wide applications

#### Polypropylene (PP)

PP melt blown fibers form the cartridge media with larger porosity and dirt-holding capacity for longer life. Good chemical compatibility is suitable for wide range of applications as the pre-filtration or final-filtration filters.

#### Nylon

Nylon membrane is usually used for mineral springs, beverages, distillation water and alcohol filtration.

#### Polyethersulfone (PES)

PES material is suitable for medical rinsing water filtration, beverages, wine and beer filtration.

#### Polyvinylidene fluoride (PVDF)

PVDF is with good resistance to heat, chemicals, and corrosive solution, suitable for beverage, wine, medical, solvent and ink filtration.

#### Polytetrafluoroethylene (PTFE)

PTFE can suffer higher operating temperature and its resistance to acid, alkaline, and corrosive fluid is excellent. PTFE is also with good anti-oxidation ability. Suitable for organic solution filtration, electronic industry filtration and water ultra-purification.

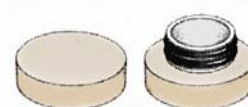
Warning : For drinking water applications, do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the unit.

### End cap code:

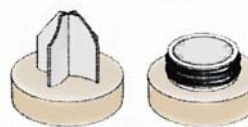
CODE N -  
D.O.E. (Double open end)



CODE 3F - (222 O-ring/flat)



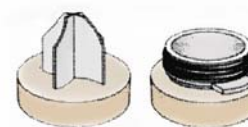
CODE 3S - (222 O-ring/spear)



CODE 7F - (226 O-ring/flat)



CODE 7S - (226 O-ring/spear)



The filter cartridge can be supplied for DOE, SOE. Special adaptors for 222, 226 either in spear or flat end cap styles.