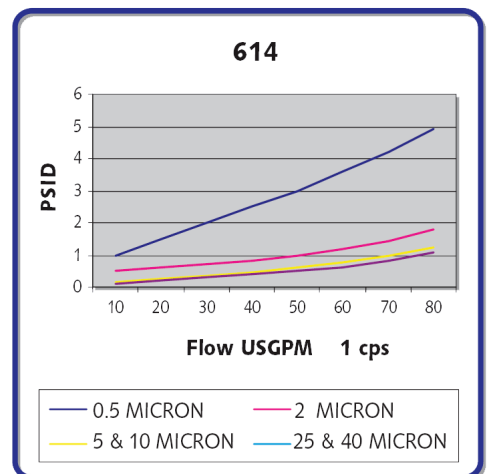
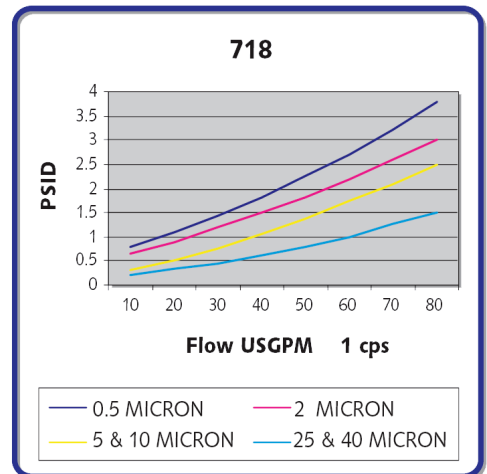
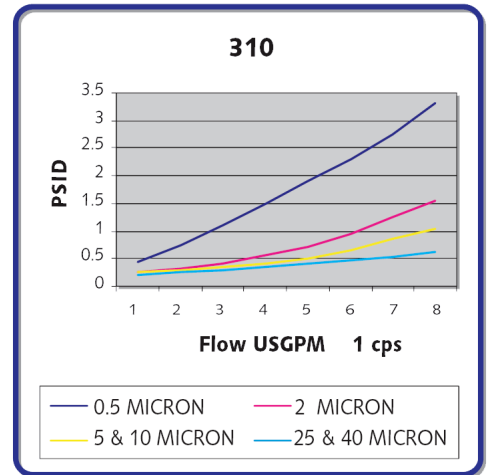


**Composite Liquid**

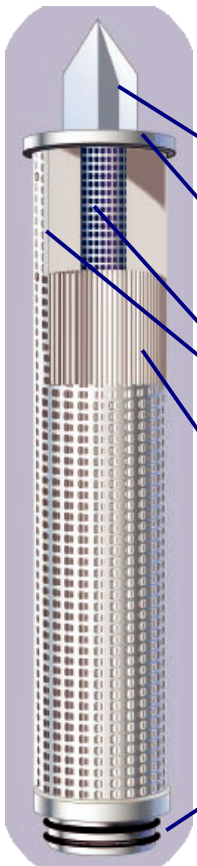
Pleated composite liquid elements are a blend of cellulose and synthetic fibers that stand up better in many aqueous applications. Synthetic end caps are thermally bonded to the media pack. Plated carbon steel or stainless steel end caps are available using plastisol or two part epoxy to secure the media pack. A broad range of medias is available from 1 to 70 microns and with beta ratios of 50 to 1000.

**Cellulose Liquid**

Pleated Cellulose liquid elements are 100% natural fibers with a wide selection of gasket and O-ring materials available. End caps are plated or stainless steel bonded to the media packs using either plastisol or two part epoxy potting compounds to address most oil and lube oil applications. A broad range of medias is available from 1 to 70 microns and with beta ratios of 50 and 100.



**Permian Filters:  
Quality and Choice**



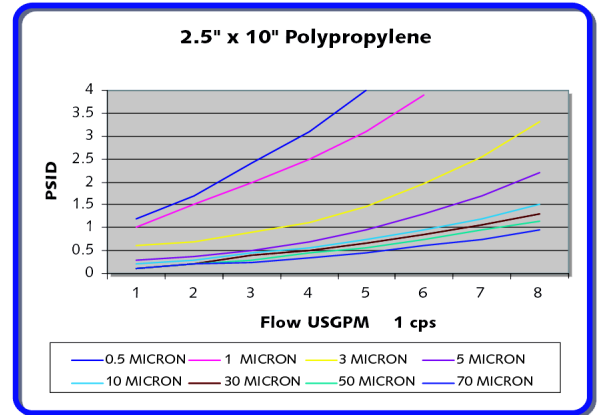
- Optional end treatments
- Synthetic endcap adapter
- Synthetic inner core and outer cage
- 100% synthetic media
- Optional gasket materials

## Polypropylene

Permian pleated polypropylene elements are 100% polypropylene with a wide selection of gasket and O-ring materials available. Polypropylene end caps are thermally bonded to the media packs eliminating any need for adhesives which might react with or contaminate critical process fluids. A broad range of efficiencies, with beta ratios of 50 to 5000, provide the flexibility to address any application or upset condition. All components meet USP specifications for Class VI 121°C criteria and are FDA compliant.

Temperature limit: 180°F

Ratings above 30 microns do not require support layers.

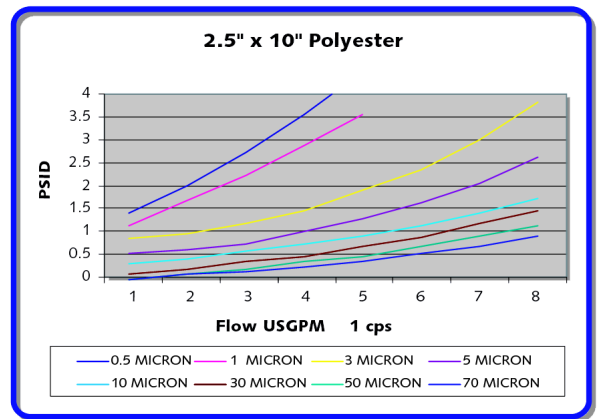


## Polyester

Permian pleated polyester elements are 100% polyester with a wide selection of gasket and O-ring materials available. Polyester end caps are thermally bonded to the media packs eliminating any need for adhesives which might react with or contaminate critical process fluids. A broad range of efficiencies with beta ratios of 50 to 5000 provides the flexibility to address any application or upset condition.

Temperature limit: 240°F

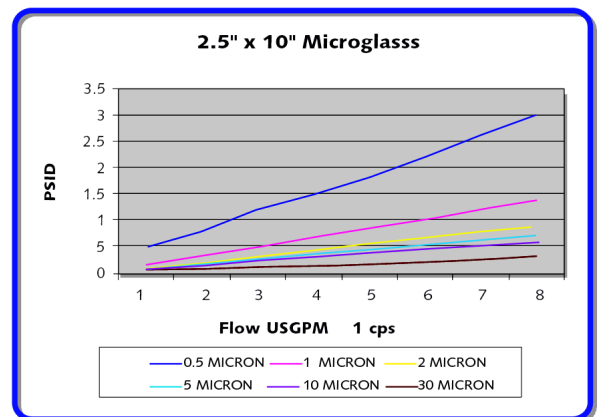
Ratings above 30 microns do not require support layers.



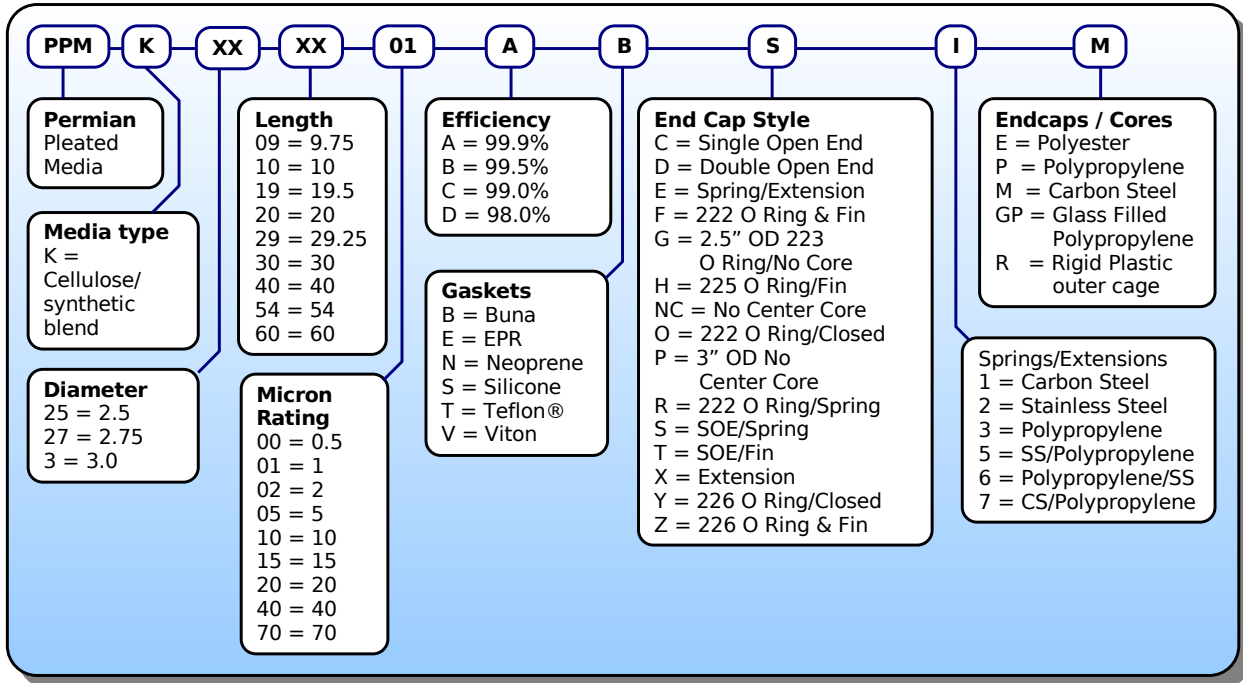
## Microglass

Permian Pleated Microglass filter elements are 100% synthetic fibers with a phenolic binder that provides excellent strength in many liquid applications. Support layers are standard polyester or are available in polypropylene or cellulose to suit temperature or compatibility requirements with a wide selection of available elastomers. Polypropylene or Polyester end caps and cores are thermally bonded to the media pack. Alternatively, end caps are plated or stainless steel bonded to the media packs using either plastisol or two part epoxy to secure the media pack. A broad range of medias are available from 1 to 40 microns and with beta ratios of 50 to 5000.

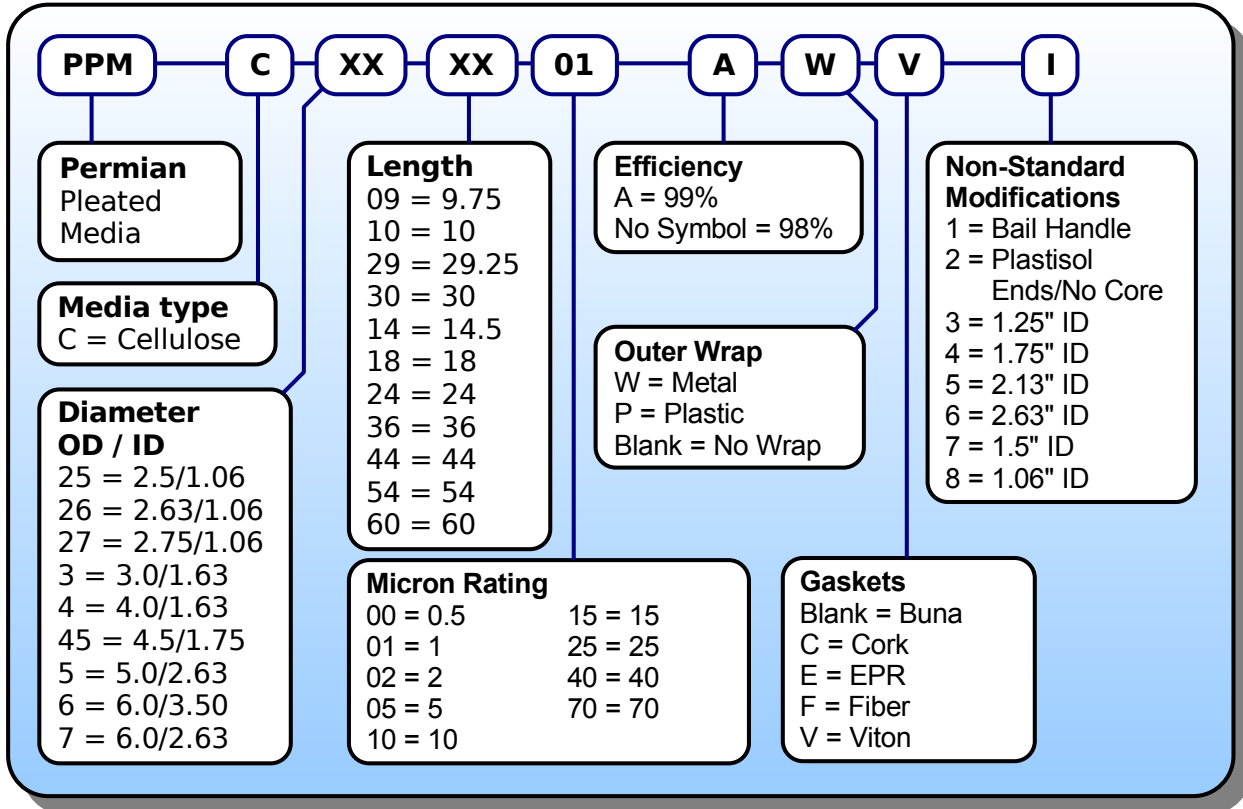
Temperature limit: 240°F



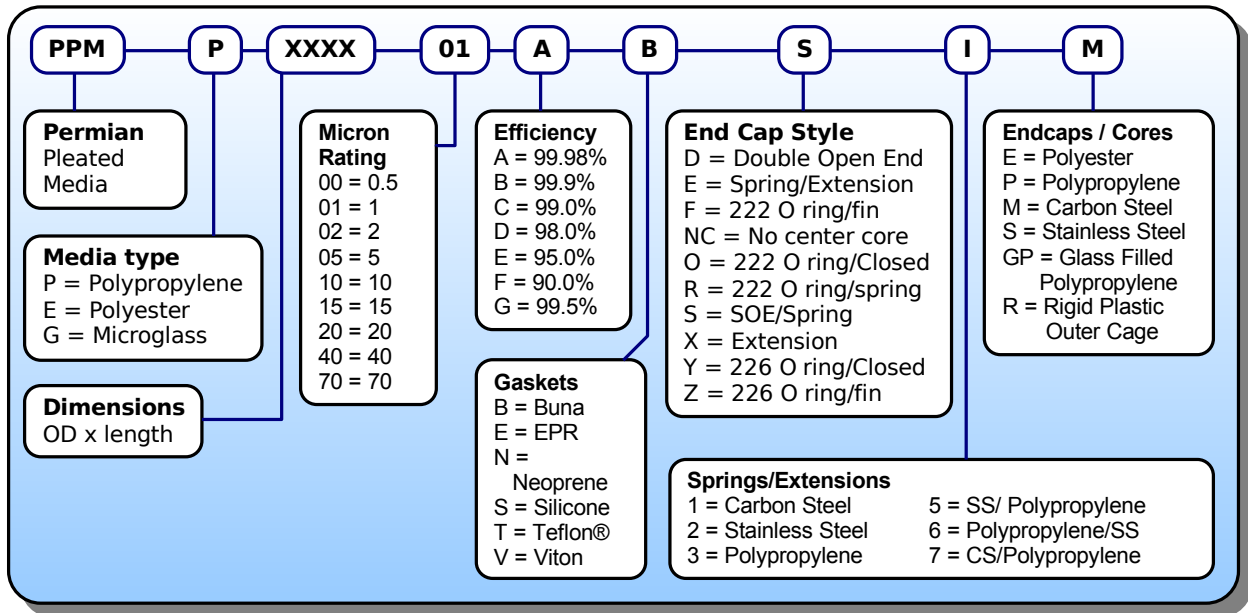
## Composite Configurations<sup>†</sup>



## Cellulose Configurations<sup>†</sup>



# Polypropylene, Polyester, and Microglass Configurations<sup>†</sup>



† Note: Please confirm your requirements with G&C as not all options can be combined.

## End Cap Styles

