

### Discussion

This series is manufactured using specific blends of media designed for whatever application in which the element is to be utilized. This custom design insures the compatibility as well as, the efficiency of each Permian element. The filter mat produced by the exclusive Permian process gives a uniform gradient density to the filter media that provides long life and high particulate retention capacity. The filter media is placed around a spiral locked metal core that provides superior support to resist high differential pressures without collapse and subsequent loss of collected contaminants to the effluent. The filter element produced by this process provides true depth filtration. It also provides for a gradual differential pressure increase during the life of the element. The element will not channel, or by-pass, and the internal compression spring assures a positive seal in the filter case. The media is designed for use in natural gas contact solvents, such as amine, glycol, etc., especially where fine filtration is desired.

### Construction

Center core	Carbon steel, corrosion resistant, spiral locked with integral spring
Media carrier	Cerex
Media	Polypropylene
Outer sock	Cotton, orlon, nylon polypropylene
End seals	To prevent by-pass, the element can be provided with a metal plug

### Dimensions

Outside diameter	3" (76.2 mm)
Inside diameter	1-9/16" (39.7 mm)
Length	6-3/4" (933.45 mm)

### Operational Data

Micron rating	5, 10, 20, 25, 50, 75, 100, and 125
Collapse pressure	>150 psi (10.54 kg/cm <sup>2</sup> )
Recommended change-out differential	15 psi (normal) 20 psi (max.)
Efficiency at rated flow	98%
PH range	0 to 14
Max. operating temperature	180°F