



KH1401 Series

Pleated High Pressure Elements For Liquid or Gas Service

Replacement Option for 1401 Style Elements

KH1401 series elements provide long service life, absolute efficiency, economical filtration for liquid or gas streams in a wide variety of applications. The robust design of the KH1401 series allows this element to withstand differential pressure up to 100 psid, making it a perfect choice for high pressure applications.

• Extended Service Life

With up to 60 square feet of effective filtering area in a relatively small element, the KH1401 Series optimizes dollars spent per unit volume of fluid filtered. More effective surface area increases the amount of contaminant that an element can hold. More contaminant holding capacity lowers maintenance costs and reduces the number of elements needed to filter a given Volume of fluid.

• Easy to Install and Seal

High efficiency filters are only as good as the seal achieved between the dirty and clean side of the filter vessel. Although a tight seal can be achieved by other means, other designs present more room for error during installation. Problems with the seal will lead to contaminant bypass that can significantly damage downstream equipment, increasing operational and maintenance costs.

• Worry-free Absolute Filtration Performance

Unlike sock and string wound elements, every KH1401 element offers bonded media that will not migrate or unload contaminant.

• Exceptional Structural Design

From the bonded media to the steel core and end caps KH1401 elements are built for rugged service. Whether it's high pressure or high flow rates these elements can take the stresses of the application without being damaged. This could easily add five to six figure expenses to your facility's bottom line.

Applications

- High pressure gas streams
- High pressure water injection streams
- High pressure water disposal streams

Replacement Option For



SPECIFICATIONS

Materials

- MEDIA - resin impregnated cellulose
- resin bonded glass
- CORE steel (galvanized or tin plated)
- OUTER SUPPORT nylon netting
- END CAPS steel (galvanized or tin plated)
- O-RING buna-n
- OPTIONS s.s. hardware, o-ring materials, other media materials available

Nominal Dimensions

OD[mm]	ID[mm]	Length[mm]	Surface Area m2
95	56	979.4	2.5

Operating Data

Media	Max Temp.[°C]	Max D.P[psid]
Cellulose	121	100
Glass	121	100

- Recommended change-out D.P. is 35 - 60 psid.
- Normal flow is outside to inside.

Particle Retention

- Efficiency: Absolute
- Liquid Grades [µm]: 2, 5, 10, 20, 30, 50
- Gas Grades [µm]: 0.3

Ordering Information

Micron Glass: 0.3 µm KH1401G2A
Cellulose/Glass: 5 µm KH1401C5A
Cellulose/Glass: 10 µm KH1401C10A
Cellulose/Glass: 20 µm KH1401C20A
Cellulose/Glass: 30 µm KH1401C30A
Polyester : 50 µm KH1401C50A



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