

HYDRO-GUARD® K Series Backflushable Filter Cartridges

The most extensively used backflushable pleated filter in power plant condensate.

- Backflushable pleated filter designed specifically for use in power plants
- The Hydro-Guard K is used in condensate with or without resin precoat
- Constructed with the highest purity materials (no fillers, talcs, TiO₂ or surfactants) for minimal rinse-up time
- Surface area exceeds that of conventional condensate filters by a 20:1 ratio for lower pressure drops, increased filter life and longer backflush cycles
- Eliminates costs associated with use and disposal of powdered resins
- Iron oxide and suspended copper are typically reduced by 98%⁺
- Absolute construction and surface retention for efficient backflushing and particle removal

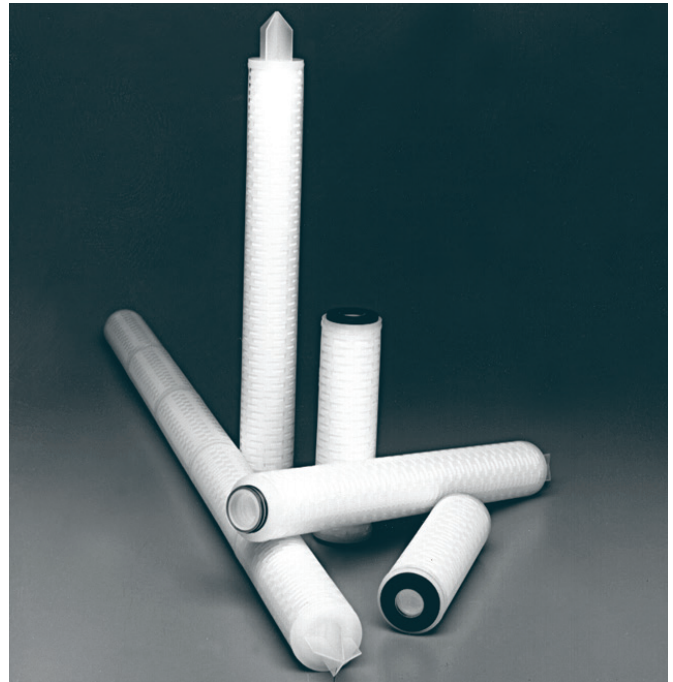
Performance Specifications

Maximum Operating Temperature:

212 °F (100 °C)

Maximum Differential Pressure:

58 psid (4.0 bar) @ 150 °F (65 °C)



HYDRO-Guard K Series Cartridges

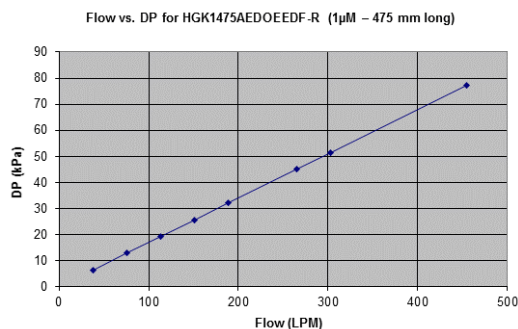
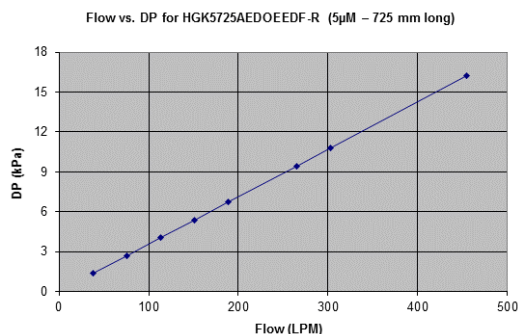
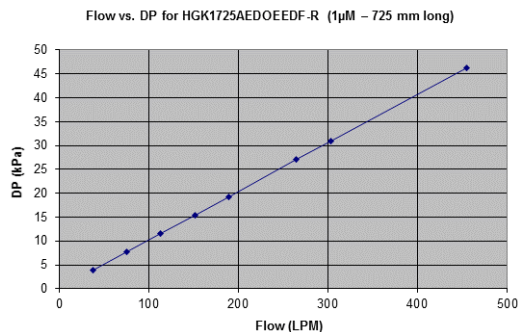
Product Feature	Product Benefit	Customer Benefit
Backflushable filter element	Longer on stream life Reduced number of filter changeouts	Lower disposal costs Reduced personnel exposure to radiation during filter changeouts
High surface area	Longer run times Higher dirt holding capacity	Lower operating costs Fewer backflushes for reduced disposal costs
Polyaramid media	Virtually no extractables Incinerable Radiation Resistant No rinse-up required	Concerns eliminated with regard to chemistry changes Reduced startup costs (i.e. downtime rinse-up water, etc.)
Modular design	High structural integrity	Easy retrofit into existing pressure vessels
Absolute Construction	Highly efficient particle removal	Less damage from iron and copper in boiler and turbine Quicker plant startups Fewer boiler cleanings

Product Specifications

Materials of Construction

Filter Media:	Polyaramid
Support Material:	Polyester
Hardware:	Stainless Steel
Sealing:	Epoxy Resin
Gasket/O-ring Materials:	EPDM (standard), Others available

Pressure Drop/Flow Data



Part Numbers/Ordering Information

HGK – ■ – ● – A – E – DOE – EDF – R

(e.g. HGK-1-725-A-E-DOE-EDF-R)

Code ■	Filter Grades*
1	1 µm
5	5 µm

*Based on typical application usage.
For details, contact Pall Corporation.

Code ●	Cartridge Lengths (nominal)
475	19" (47.5 cm)
725	28.5" (72.5 cm)

Code	Gasket/O-ring Materials
E	EPDM

Code	End Configurations
DOE	DOE with elastomer gasket seal and endcaps
EDF	Manufactured to EDF specifications
R	Pre-rinsed in hot DI water to reduce rinse up time



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