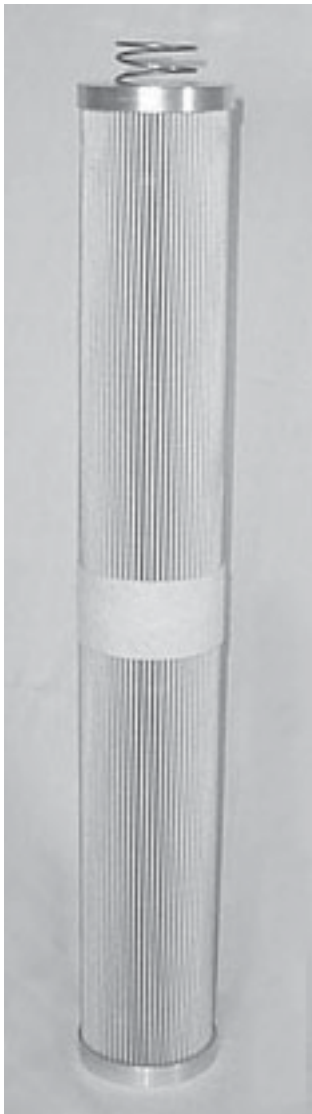


PH 426-XX-CG1V Element



High flow cartridge with improved, lower pressure drop



The move today is towards cleaner fuel, lube oil, and hydraulic oil. With lube and hydraulic oils, cleaner fluid means less wear on moving parts, improved performance, and reduced down-time. Cleaner fuel means less wear on injectors which reduces the possibility of increased fuel consumption, idle speed creep, and dilution of lube oil.

One way to obtain cleaner fluids is to use more efficient filters. Tightening the filtration of the filter cartridges can produce cleaner oil. But it's really not quite that simple.

If you are using a cartridge made of cellulose paper, tightening the efficiency of the cartridge will increase the pressure drop. The cartridge will also load up faster because it is catching more contaminant. This will result in more frequent cartridge replacement.

However, changing from less efficient cellulose cartridges to a more efficient PH cartridge could result in an actual decrease in pressure drop. PH cartridges have screened, synthetic media designed for high flows.

Synthetic media used in the PH cartridges makes it impervious to water. As a result, the cartridge is well suited for steam turbine lube and hydraulic oils.

Features

- Synthetic media
- Support Screen
- Rigid-pleat structure
- External hold-down spring
- O-ring seal
- Corrosion-resistant
- Metal end-caps and center tube
- High collapse strength

Filtration Efficiency

Part Number	Absolute Rating, x Beta _x = 75 *	Absolute Rating, x Beta _x = 200	Absolute Rating, x Beta _x = 1000
PH426-12-CG1V	3	4	7
PH426-11-CG1V	10	12	14
PH426-01-CG1V	14	15	17
PH426-03-CG1V	24	25	32

* The Beta Ratio system is an industry standard (ISO 4572) for measuring efficiency. For example, Beta₃=75 is equivalent to removing 98.7% of particles 3 micron and larger; Beta₄=200 is equivalent to removing 99.5% of particles 4 micron and larger; and Beta₇ = 1000 is equivalent to removing 99.9% of particles 7 micron and larger.

Specifications

Construction Materials

Media: Synthetic, epoxy-coated steel screen
 Center tubes: Plated and epoxy-coated steel
 O-ring: Viton

Specifications

Collapse Pressure: 100 psid (6.9 bar)
 Max. Service Temp.: 250° F (121° C)

The PH426-01-CG1V element is a direct replacement for:
 National, P/N 2200A3 (fuel and/or lube oil)
 Rep Filtration, P/N HF15426-1-7

The PH426-03-CG1V element is a direct replacement for:
 National, P/N 2200A4 (lube oil)
 Rep Filtration, P/N HF25426-1-7

The PH426-12-CG1V element is a direct replacement for:
 National, P/N 2200A2 (seal oil)
 Rep Filtration, P/N HF06426-1-7

These elements are widely used on Westinghouse 501 G&F turbines.

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