HY-PRO FILTRATION

Separator Element Upgrade

Hy-Pro Upgrade

Impregnated Cellulose

HPQ280674

Hy-Pro Teflon Coated Screen Water Barrier + High Efficiency Glass Media Polishing Separator Upgrade

High Performance Separator Element Upgrade for Facet CS-59F Silicone Treated Cellulose Media Separator

Performance

Temperature:

Buna (Standard): -45°F ~ 225°F, -43°C ~ 107°C
EPR (optional): -65°F ~ 300°F, -53°C ~ 148°C
Viton (optional): -20°F ~ 250°F, -29°C ~ 121°C

Element Collapse: 150 ΔP psi, 10 ΔP bar
Media Efficiency: $\beta 5_{[c]} > 1000$ (3 micron absolute)

Media

G8 Glass media pleat pack downstream of Teflon coated screen water barrier sleeve features our latest graded density glass media for a final high efficiency filtration polishing pass that delivers lower ISO codes in addition to high efficiency water removal.

Water Removal (High Efficiency)

The Teflon coated water barrier sleeve prevents suspended and emulsified water from leaving the coalesce vessel. The separator works in tandem with the coalesce element (stage 1 in the water removal process) which causes the small emulsified water droplets to coalesce together to form larger, suspended water droplets. The higher specific gravity of the water causes the larger suspended water droplets to fall to the bottom of the coalesce vessel forming a clear separation between water and the oil floating on top of the water where the water can be removed.

Tested to ISO Quality Standards

ISO 2941	Collapse and burst resistance
ISO 2942	Fabrication and Integrity test
ISO 2943	Material compatibility with fluids
ISO 3724	Flow fatigue characteristics
ISO 3968	Pressure drop vs. flow rate
ISO 16889	Multi-pass performance testing

Fluid Compatibility (No Media Breakdown)

Compatible with synthetic and Petroleum based turbine oils, #2 Diesel, Heavy Diesel, and Specified Bio-Diesel fuels.

Hy-Pro glass upgrade separators with Teflon coated hydrophobic water barrier sleeve are impervious to media breakdown from long term exposure to water or oil with high concentrations of dissolved, emulsified and free water.

Antiquated separators that utilize silicone treated cellulose media are susceptible to a loss of water from oil separation efficiency and media migration (mush). Media breakdown can occur when treated cellulose is exposed to high concentrations of water or from long term exposure to water in oil.

Interchange (See Interchange Guide for Elements not Listed)

Facet	**Hy-Pro**
CS-59F	HPQ280674
CS-59F x 2	HPQ280674L23
CS-59F x 3	HPQ280674L34

Fram	**Hy-Pro**
CC-K21	HPQ280674

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