HY-PRO FILTRATION

Coalesce Element Upgrade

HPQ280673

Hy-Pro Glass Media Coalesce Element Upgrade

High Performance Coalesce Element Upgrade for Facet CR-22 Cellulose Media Coalesce Element.

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 Burst: 150 ΔP psi, 10 ΔP bar
Media Efficiency: $\beta 25_{[c]} > 1000$ (25 micron absolute)

Media

G8 Glass media pleat pack is impervious to media degradation from high concentrations of water in oil, extended fiber contact with water (saturation) or submersion in straight water on the bottom of the coalesce vessel.

Water Removal (High Efficiency)

The glass media coalesce utilizes smaller fiber size allowing a higher volume of fibers in the media yielding more fiber surface area for water droplet collection and coalescence. The coalesce element causes collects the small emulsified water droplets on the glass fibers where they 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 coalesce elements are impervious to media breakdown from long term exposure to water or oil with high concentrations of dissolved, emulsified and free water.

Antiquated coalesce elements that utilize 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
CR-22	HPQ280673

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