NEW: Coralon™ Filter Elements Upgrade filter elements for Ultiper fil

PALL

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Keeping fluids cleaner, longer, for greater value

Coralon filters represent a significant advancement in equipment protection and are a direct replacement (same form, fit, and function including fluid and temperature compatibility) for current Ultipor filter elements.

Features

- Direct replacement for Ultipor elements
- Advanced pack design
- Stress-resistant media technology
- Standard or Anti-static media options available
- Out-to-in flow path*

*except for in-tank filter options

Innovative Media Performance

Pall's new series of hydraulic & lube filter elements feature SRT (stress-resistant technology) media for unsurpassed performance and value. Coralon elements provide:

- Low element pressure drop for small envelope size and long life
- Optimum performance under system stresses at all stages of filter life for consistently cleaner fluid
- Anti-static options to prevent electrostatic charging and potential varnish formation



Coralon Filter Elements

In addition to improved performance, what differences will I see?

- Coralon filters upgrade Pall Ultipor III, Ultipor III Coreless, Ultipor Dirt Fuse, Ultipor SRT, Ultipor Plus, Ultipor Max, and Red1000 elements in all standard medium grades (Z, P, N, S, T).
- The new elements will have a medium code of "C" (standard) or "A" (anti-static) in place of existing "U", "D", "K" "M" or "X" code in the current filter element part number; see examples in the adjacent table.

Examples of new filter element part number

Existing number	New number	The part number is printed on the bottom endcap of the filter element
HC9600FKP8Z	HC9600FCP8Z	
HC9601FDP13Z	HC9601FCP13Z	

UPGRADED filtration for improved protection and reduced costs... Pall Housing 8 Pall Ultipor® III **Pall Coralon Filtration** Element ✓ 2x improvement in fluid cleanliness Improved fluid cleanliness ✓ 2x improvement in fluid cleanliness Consistent performance throughout filter service life stability (throughout the filter's service life Lower pressure drop 5% reduction in total cost of filtration Same housing Leading to reduced equipment operating costssame price! **Pall Housing** UPGRADED filtration for improved protection and reduced costs... & Competitor **Pall Coralon Filtration** Element Up to 15x improvement in fluid cleanliness Improved fluid cleanliness ✓ Up to 16x improvement in fluid cleanliness Consistent performance throughout filter service life stability (throughout the filter's service life Lower pressure drop ✓ Up to 20% reduction in total cost of Same housing filtration ...no brainer! Leading to reduced equipment operating costs

Specifications

Element Collapse	
Pressure Rating:	10 bard (150 psid) minimum for Coreless Ultipor filter elements (polymer end caps) and for use in filters with bypass 20 bard (300 psid) minimum for Ultipor filter elements (metal end caps and core) and for use in filters with bypass 210 bard (3,045 psid) minimum for Ultipor high strength filter elements (metal end caps and core) and for use in filters without bypass
Temperature Range	
Fluorocarbon:	-29°C (-20°F) to +120°C (+250°F)
Nitrile:	-43°C (-45°F) to +120°C (+250°F)
Note:	Maximum 60°C (140°F) in water based fluids
Seals:	Fluorocarbon or nitrile
Fluid Compatibility:	Compatible with petroleum
	oils, water glycols, water-oil
	emulsions, and high water
	containing fluids.
Filter Construction:	Cored filter elements - Corrosion
	protected end caps and core
	Coreless filter elements -
	Polymer end caps only
Filter Element medium:	Inorganic fibers impregnated
	and bonded with epoxy resins.

All Coralon filter elements are manufactured by Pall to exacting procedures and strict quality controls. Elements are validated to the following ISO test protocols :

- Filter Ratings:
- Cyclic Stabilization Test (80% Δp) based on SAE
 ARP4205. For ISO Code ratings, see Table 1
 Bx(c)≥1000 multi-pass filter ratings (per ISO 16889)
- Element Collapse Pressure Rating (ISO 2941)
- Fluid Compatibility (ISO 2943)
- Flow vs. Pressure Drop (ISO 3968)
- Flow Fatigue (ISO 3724)
- Fabrication Integrity (ISO 2942)

For further information on test protocols and certification, please contact Pall sales.



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Measuring Filter Performance - the Cyclic Stabilization Test (based on SAE ARP4205):

Conditions such as varying flow, cold starts, shock and vibration can potentially reduce the effectiveness of a filter in an operating system.

The Cyclic Stabilization Test examines the effects of cyclic flow conditions and dirt loading on the capture and retention characteristics of the filter. The result is an improved filter performance reporting method that simply tells the user via ISO Codes (see Table 1) the level of contamination control that can be maintained throughout the filter's service life.

Table 1 - Filter Performance Ratings

Coralon Filter Grade	ßx(c) ≥ 1000 per ISO 16889	ISO Code Rating per Stress- Resistance Test (80% Δp)*
CZ	3	10/08/03
СР	5	12/09/07
CN	7	14/11/06
CS	12	18/15/06
ст	22	21/19/11

The Coralon Filter Performance Advantage



A critical measure of a filter's performance is its ability to sustain fluid cleanliness throughout its service life. This graph compares a Coralon 7μ m(c) rated filter to an Ultipor III filter and four competitors' products with equivalent ratings.

Only Coralon filters produce sustained fluid cleanliness over the full life of the filter.

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IF APPLICABLE Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

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