

# FILTER ELEMENTS

## Optimicron® Series

Energy efficient filtration



### Description

The Optimicron filter elements have been optimized with respect to filtration performance and energy efficiency. These elements offer the best optimization of separation efficiency, service life and differential pressure versus flow rate.

As a complete element package, the innovative characteristics of the HYDAC technology has a very positive impact on the differential pressure of the elements and high degree of filtration efficiency and performance.

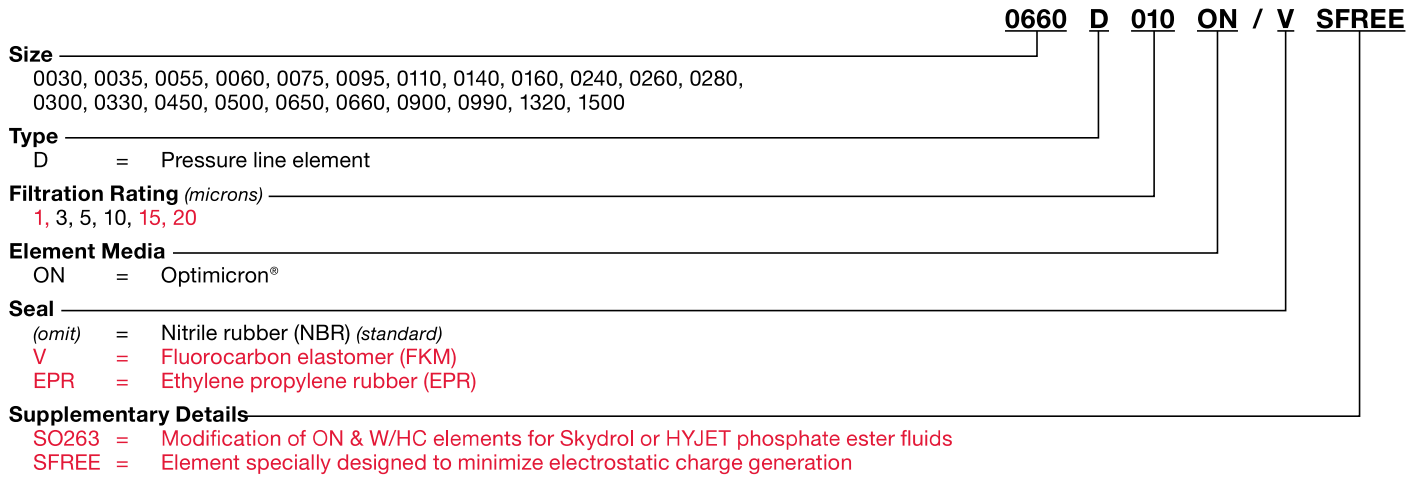
### Features

- Unique HELIOS pleat geometry – optimizes media area open to flow to calm the flow in areas between pleats reducing  $\Delta P$ .
- Outer wrap perforations insure optimized flow onto the filter pleats and help to minimize pressure losses.
- Outer wrap perforations also help to distribute the fluid incidence stresses evenly in the axial and radial directions and thus increase tear resistance.

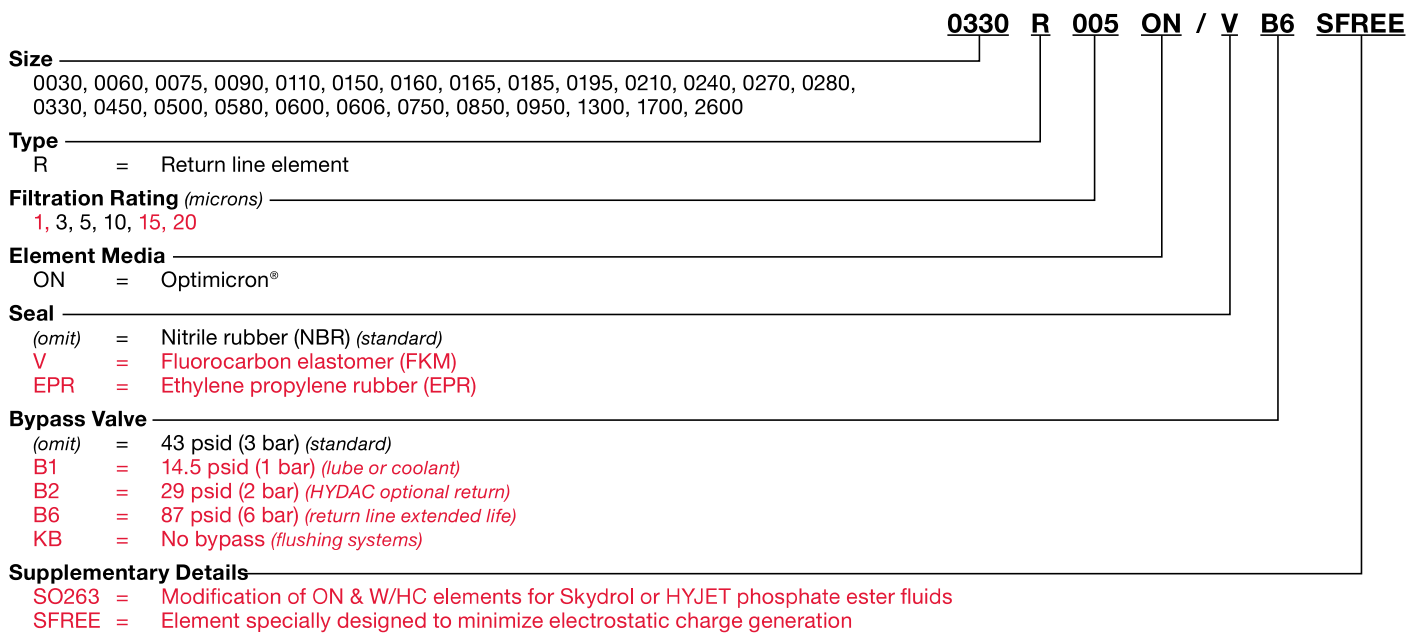
### Technical Specifications

<b>Collapse Rating</b>	290 psid (20 bar)
<b>Temperature range</b>	-22°F to 212°F (-30°C to 100°C)
<b>Flow direction</b>	outside to inside
<b>Category</b>	Disposable - single use
<b>Bypass Cracking Pressure</b>	R (only) = 43 psid (3 bar) (standard, others available)

## “D” Pressure Elements Model Code



## “R” Return Elements Model Code



*Model Codes Containing Red are non-stock items — Minimum quantities may apply – Contact HYDAC for information and availability*

## Beta Ratio (β) Values for Optimicron

