

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 ΔP .
- 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

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

FILTER ELEMENTS

“D” Pressure Elements Model Code

Size 0660 D 010 ON / V SFREE

0030, 0035, 0055, 0060, 0075, 0095, 0110, 0140, 0160, 0240, 0260, 0280, 0300, 0330, 0450, 0500, 0650, 0660, 0900, 0990, 1320, 1500

Type D = Pressure line element

Filtration Rating (microns) 1, 3, 5, 10, 15, 20

Element Media ON = Optimicron®

Seal (omit) = Nitrile rubber (NBR) (standard)
V = Fluorocarbon elastomer (FKM)
EPR = Ethylene propylene rubber (EPR)

Supplementary Details
SO263 = Modification of ON & W/HC elements for Skydrol or HYJET phosphate ester fluids
SFREE = Element specially designed to minimize electrostatic charge generation

“R” Return Elements Model Code

Size 0330 R 005 ON / V B6 SFREE

0030, 0060, 0075, 0090, 0110, 0150, 0160, 0165, 0185, 0195, 0210, 0240, 0270, 0280, 0330, 0450, 0500, 0580, 0600, 0606, 0750, 0850, 0950, 1300, 1700, 2600

Type R = Return line element

Filtration Rating (microns) 1, 3, 5, 10, 15, 20

Element Media ON = Optimicron®

Seal (omit) = Nitrile rubber (NBR) (standard)
V = Fluorocarbon elastomer (FKM)
EPR = Ethylene propylene rubber (EPR)

Bypass Valve
(omit) = 43 psid (3 bar) (standard)
B1 = 14.5 psid (1 bar) (lube or coolant)
B2 = 29 psid (2 bar) (HYDAC optional return)
B6 = 87 psid (6 bar) (return line extended life)
KB = No bypass (flushing systems)

Supplementary Details
SO263 = Modification of ON & W/HC elements for Skydrol or HYJET phosphate ester fluids
SFREE = Element specially designed to minimize electrostatic charge generation

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

Beta Ratio (β) Values for Optimicron

