

FILTER ELEMENTS

ECOmicon® Series

Environmentally Compatible



Features

- All plastic construction
Note: Bypass valve in the end cap contains a metal spring for efficient operation. The spring can be removed if the element is crushed.
- Standard HYDAC elements sizes 1300R and 2600R with absolute ratings of 3 and 10 micron are available
- (Light weight) for ease of handling during shipment and maintenance
- 43 psi (3 bar) bypass valve setting
- 145 psi (10 bar) element collapse rating

Benefits

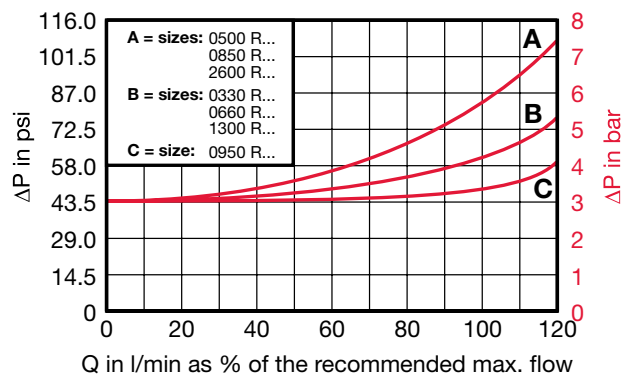
- Compatible with most hydraulic and lubrication fluids. Please consult factory for synthetic fluid use.
- Compatible for high water based fluid application use.
- Media seam welded with patented HYDAC ultrasonic welding process, which prevents media migration.
- $B_{x(0)} \geq 1000$ absolute filtration rating

Technical Specifications

Collapse Pressure Rating	145 psid (10 bar)
Temperature Range	-22°F to 212°F (-30°C to 100°C)
Flow fatigue stability to ISO 3724/76	High fatigue resistance due to solid filter material supports on both sides and high inherent stability of filter materials.
Opening Pressure of Bypass Valve	$\Delta P_0 = 43 \text{ psid} \pm 7 \text{ psi}$ (3 bar \pm 0.5 bar)

Bypass Valve Curves

The by-pass valve curves apply to mineral oils with a specific gravity of 0.86. The differential pressure of the valve changes proportionally with the specific gravity.



Model Code

1300 R 03 ECON2 / V

Element Size —————
0040, 0090, 0110, 0150, 0160, 0165, 0185, 0240, 0330, 0660, 0850, 0950, 1300, 1700, 2600

Type —————
R

Filtration Rating (micron) —————
03 = 3 µm
05 = 5 µm
10 = 10 µm
20 = 20 µm

Element Media —————
ECON2 = ECOmicron®

Seals —————
(omit) = Nitrile rubber (NBR) (standard)
V = Fluorocarbon elastomer (FKM)

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

Element Construction

