

PhotoKleen™ NTD Filter Cartridges



Data Sheet MEPKNTCRTEND

Description

Lithography Filter for Leading-edge Process

The PhotoKleen™ NTD filter cartridge is designed for aggressive organics solvent application.

The PhotoKleen™ NTD filter is composed of all fluoropolymer materials that offer superior chemical compatibility with more aggressive lithography solvents such as: n-butyl acetate (nBA), cyclohexanone, dibutyl ether, toluene and gamma-butyrolactone.

The 5 nm rated PTFE media offers high particle retention while maintaining a low pressure drop.

Features & Benefits

- Available in 4", 10" and 20" length
- All fluoropolymer construction for the highest levels of cleanliness
- Guaranteed metal, particle and organic cleanliness¹
- Offers lower flow delta-P, to minimize ESD and bubble formation
- Shipped dry for use in organic lithography solvents

¹ Contact Pall technical service for device claims



Specifications

Materials of Construction

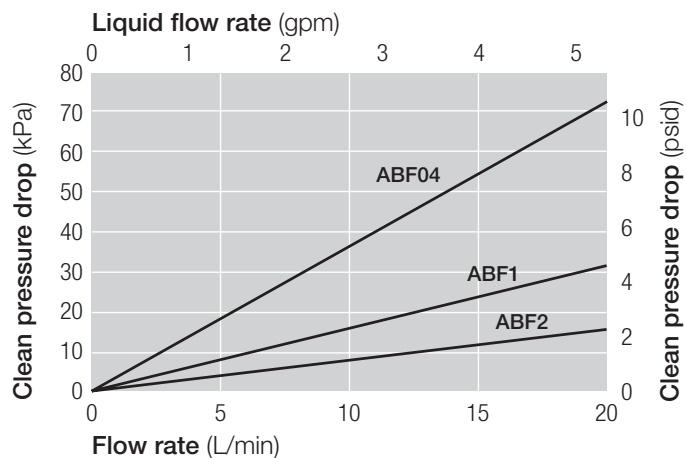
Components	Materials ²
Filter Medium	Functionalized PTFE
Support and Drainage	PFA
Core, Cage and End Caps	PFA
O-ring	Perfrez ³ PXC-Ultra

² All fluoropolymer materials made without PFOA

³ Perfrez is a trademark of Applied Seals North Americas

Removal Ratings	5 nm
Filter Areas	ABF04 : 0.7 m ² ABF1 : 1.6 m ² ABF2 : 3.2 m ²
Maximum Operating Temperature	110 °C / 230 °F
Maximum Forward Differential Pressure	0.59 MPa @ 50 °C / 86 psid @ 122 °F 0.41 MPa @ 110 °C / 59 psid @ 230 °F

Typical Flow Characteristics - 1cP fluid, 20 °C



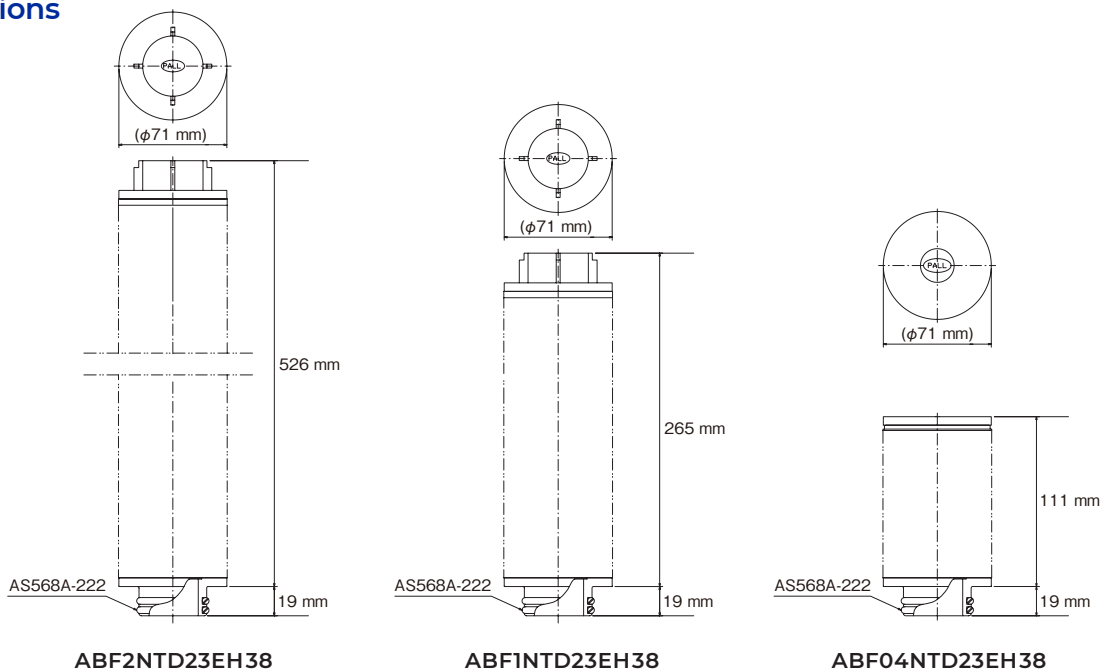
Part Numbers / Ordering Information

ABF 1 NTD23EH38

Table 1

Code	Nominal Length (L)
04	4 inch
1	10 inch
2	20 inch

Dimensions



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