

## Nexis® A Filter Cartridges

### For clarification and particle reduction

#### Description

Nexis A filter cartridges are ideal for use in rigorous food and beverage clarification processes. Pall's proprietary CoLD™ (Co-Located Large Diameter) fiber technology gives the Nexis A filters internal support combined with high dirt holding capacity.

The Nexis A filter cartridges provide a removal efficiency of >99.9 % with consistent filtration performance. Continuous graded and fixed pores provide pre- and fine filtration within the same cartridge resulting in lower overall filtration and disposal cost.

These cartridges are an ideal choice for food and beverage processes needing high-performance filtration at an economical price.

#### Quality

- Cartridges produced in a controlled environment
- Manufactured according to ISO 9001:2008 certified Quality Manufacturing System

#### Food Contact Compliance

Please refer to the Pall website <http://www.pall.com/foodandbev> for a Declaration of Compliance to specific national legislation and/or regional regulatory requirements for food contact use.



Nexis A Filter Cartridges

#### Media

- All polypropylene
- Continuous graded fixed pore structure
- Resists shedding
- Does not employ adhesives or surfactants

#### Cartridge

- Center core for high mechanical strength
- Consistent performance
- High void volume for high dirt holding capacity
- Available in multiple configurations

## Technical Information

### Operating Characteristics in Compatible Fluids

Maximum Differential Pressure	Recommended Change out Differential Pressure	Operating Temperature
4.14 bard (60 psid)	2.4 bard (35 psid)	30 °C (86 °F)
1.72 bard (25 psid)	-	66 °C (150 °F)
1.03 bard (15 psid)	-	82 °C (180 °F)

Compatible fluids are defined as those which do not swell, soften or attack any of the filter components

### Sterilization and Sanitization

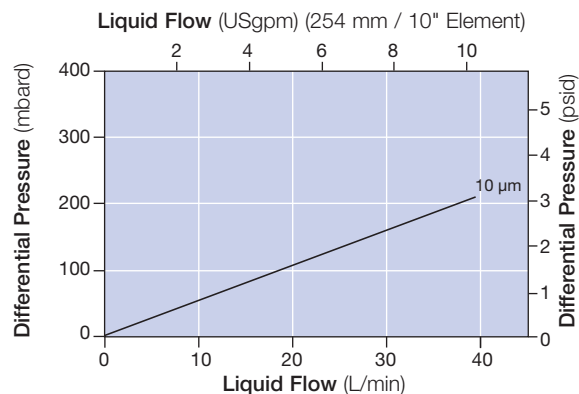
- Single open end (SOE) cartridges may be autoclaved for 30 minutes at 121 °C (250 °F) under no end load conditions. Cartridges should be cooled to system operating temperatures prior to use.
- Steam sterilization is not recommended.

### Liquid Removal Rating (µm)

99.9% Efficiency	90% Efficiency
9.5	4.7

Nexis A filter cartridge retention ratings are based on Pall's Dynamic Efficiency test protocol. This single pass, destructive challenge test is based on ASTM F-795 test procedures. Fine test dust is used as the test contaminant.

## Flow Rates



\* For clean water at ambient temperature for liquids of viscosity other than 1cP multiply the  $\Delta P$  by the viscosity in cP.

## Ordering Information

This information is a guide to the part number structure and possible options. For availability of specific options please contact Pall. Refer to Pall for housing details.

Part Number: **NXA 10**  **U**  **W**

Table 1
Table 2
Table 3

Table 1: Nominal Length

Code	Description
<b>DOE Style only:</b>	
10	10" (254 mm)
20	20" (508 mm)
295	29.5" (749 mm)
30	30" (762 mm)
<b>SOE Style only:</b>	
10	10" (254 mm)
20	20" (508 mm)
30	30" (762 mm)
40	40" (1016 mm)

Table 2: Adapter

Code	Description
blank	DOE with no endcaps
M3	SOE - single open end with flat closed end and external 222 O-rings
M7	SOE - single open end with fin end and external 226 O-rings

Table 3: O-ring Seal Material\*

Code	Description
S	Silicone Elastomer
E	Ethylene Propylene Rubber

\*M3 and M7 adaptor styles only



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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.

Because of technological developments related to the products, systems, and/or services described herein, the data and procedures are subject to change without notice. Please consult your Pall representative or visit [www.pall.com](http://www.pall.com) to verify that this information remains valid. Products in this document may be covered by one or more of the following patent numbers: EP 830,191; US 5,591,335; US 5,653,833; US 5,681,469; US 5,690,782; US 5,730,820; US 5,733,581; US 5,741,395; US 5,783,011.

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