



Microelectronics

## IonKleen™ AN Purifier



### Description

The IonKleen AN purifier has been specifically designed for the removal of anions from organic solvents and resins dissolved in organic solvents. It is ideally suited for purification of IPA and perfluorosolvents used in memory disc manufacturing. The IonKleen AN purifier consists of anion exchange resin immobilized in a porous polypropylene filter medium. This structure results in spontaneous and rapid anion removal. It is available in standard cartridge and capsule configurations for ease of use.

- High anion removal efficiency
- Simplifies purification techniques
- High capacity and long service life
- Shipped dry
- Manufactured in a cleanroom environment

### Specifications

#### Materials

- Medium: Polypropylene and anion exchange resin
- Core, cage, end caps: Polypropylene
- Support, drainage: Polypropylene
- O-ring options: FEP encapsulated fluoroelastomer

#### Purifier Media Areas

- AB1: 5,500 cm<sup>2</sup>/5.9 ft<sup>2</sup>
- DFA1: 930 cm<sup>2</sup>/1 ft<sup>2</sup>

#### Configurations

- Nominal length:  
AB1: 254 mm/10",  
DFA1: 115 mm/4.5"
- Diameter:  
AB1: 70 mm/2.75"  
DFA1: 72 mm/2.8"

#### O-ring size/end caps

- Code 3 (222 double O-ring/flat end)

#### Operating Conditions

- Maximum Operating Temperature: 30°C/86°F
- Maximum Operating Pressure:  
DFA1: 0.34 MPa/50 psi @ 30°C/86°F
- Maximum Forward Differential Pressure:  
AB1: 0.55 MPa / 80 psid

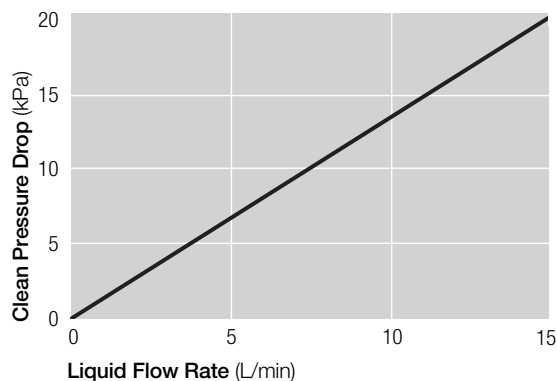
#### Performance Characteristics

- Total anion exchange capacity<sup>1</sup>  
AB1: > 95 meq  
DFA1: >16 meq
- Maximum recommended flow  
AB1: ≤6 L/min  
DFA1: ≤1 L/min

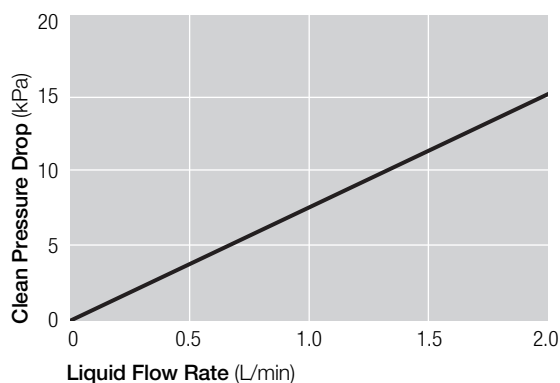
<sup>1</sup> Typically >90% efficient as determined using a mixed anion challenge, including chloride, sulfate and nitrate, at typical influent levels of 1 ppb or less.

## Pressure Drop vs. Liquid Flow Rate

Cartridge Style AB (AB1ANP3E)



Capsule Style DFA (DFA1ANPESW44)



## Part Numbers / Ordering Information

Part Number	Nominal Length (mm/in)	Configuration Code	O-Ring <sup>2</sup> or Capsule Connections
AB1ANP3EH1	254/10	3	FEP Encapsulated fluoroelastomer
DFA1ANPESW44	115/4.5	Capsule	¼" Swagelok <sup>3</sup> in/out, vent/drain

<sup>2</sup> Other O-ring material options are available as special orders.

<sup>3</sup> Swagelok is a trademark of Swagelok Co..

Specifications and availability: The information provided in this literature was reviewed for accuracy at the time of publication. Product availability may be subject to change without notice. For current information, consult your local Pall distributor or contact Pall Corporation directly.



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