

## Description

The IonKleen AQ purifier has been specifically designed for the removal of metal ions from ultrapure water. It is ideally suited for use in the semiconductor industry's most critical final cleaning processes. Utilizing Pall's latest technology developments, the IonKleen AQ membrane has been modified to incorporate ion exchange groups on its surface resulting in spontaneous and immediate metal removal from ultrapure water.

## Features

- High metal removal efficiency
- Simplifies purification techniques
- High capacity
- Shipped dry
- Manufactured in a cleanroom environment

## Recommended Applications

The IonKleen AQ purifier is recommended for point-of use rinse water purification. It has also shown positive results in the purification of ultrapure water with pH > 4.

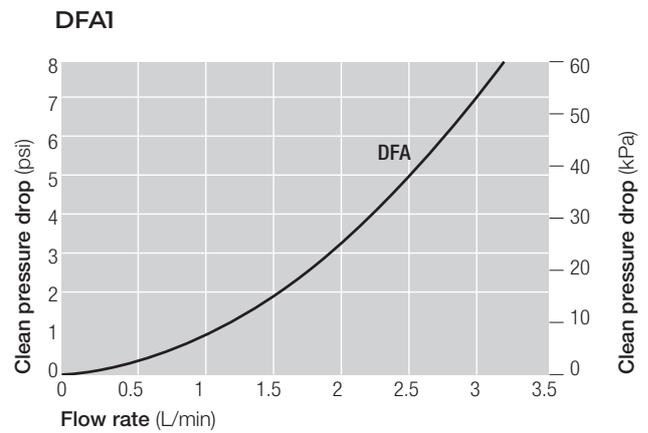
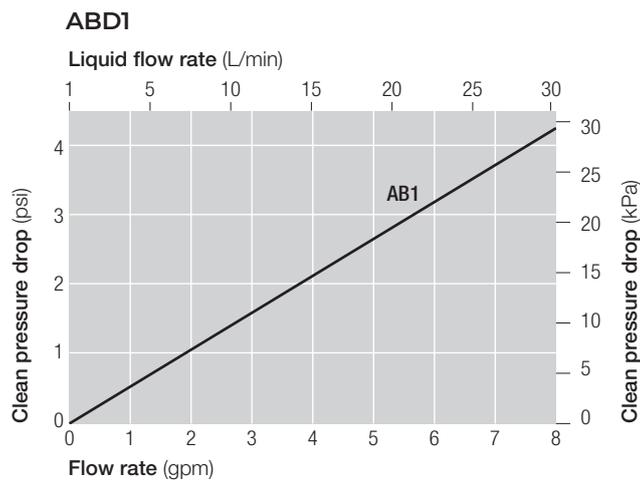


## Specifications

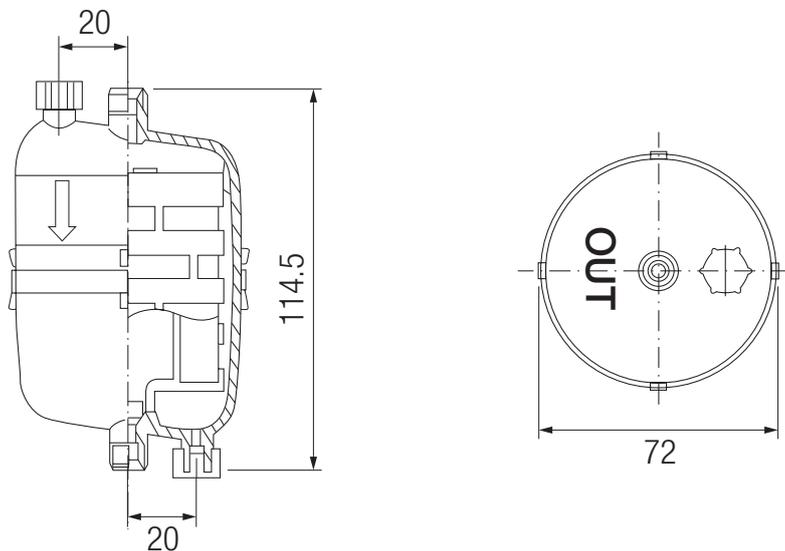
### Materials of Construction

Components	Materials		
	ABD1	ABD2	DFA1
Configurations	ABD1	ABD2	DFA1
Medium	Hydrophilic ultra-high molecular weight polyethylene (UHMWPE)		
Support and Drainage	High density polyethylene (HDPE)		
Core and Cage	High density polyethylene (HDPE)		Polypropylene
End Caps	High density polyethylene (HDPE)		Polypropylene
Shell	-		Polypropylene
<b>Media Area</b>	0.86 m <sup>2</sup> / 9.2 ft <sup>2</sup>	1.72 m <sup>2</sup> / 18.4 ft <sup>2</sup>	0.16 m <sup>2</sup> / 1.72 ft <sup>2</sup>
<b>Total Metal Ion Exchange Capacity (90% Efficiency)</b>	> 45 meq	> 90 meq	> 8 meq
<b>Maximum Recommended Flow</b>	30 L / min	60 L / min	3 L / min
<b>Maximum Operating Temperature</b>	30 °C / 86 °F		
<b>Maximum Forward Differential Pressure</b>	0.34 MPa / 50 psid		
<b>Maximum Operating Pressure</b>	-		0.49 MPaG (30 °C) / 71 psig (80 °F)

## Typical Flow Characteristics – 1 cP fluid, 20 °C



## Filter Capsule Dimensions



## Part Numbers / Ordering Information

### ABD Cartridge

ABD 1 UPW3EH1

Table 1

Code	Nominal length (mm / in)
1	254 / 10
2	508 / 20

Code	O-ring Specifications
3	AS568A-222

Code	O-ring Materials
H1	FEP Encapsulated Fluoroelastomer

### DFA 1 Capsule

DFA1UPWESW44

Code	Connections	
	Inlet / Outlet	Vent / Drain
SW44	1/4 in Swagelok <sup>2</sup>	1/4 in Swagelok <sup>2</sup>

<sup>2</sup> Swagelok is a trademark of Swagelok Co.



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*IF APPLICABLE* 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.

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