

# PE-Kleen G2 Filters

## PE-Kleen SWD Capsules



Data Sheet MEPEKGENb

### Description

The PE-Kleen G2 filter combines the latest advances in polyethylene membrane technology with Pall's unique crescent-shaped Ultipleat® filter technology. The result is a cartridge with the outstanding particle retention characteristics required by the semiconductor industry.

The PE-Kleen G2 filter is specifically designed for the filtration of ultra-high-purity chemicals, including organic stripper and DHF.

The PE-Kleen SWD capsules are space-saving filter units. They are ideally suited for installing into single wafer cleaning systems.

### Features & Benefits

- Excellent gel-retention characteristics
- High flow rates
- Low extractables
- 100% integrity tested
- Manufactured in a cleanroom environment
- 100% prewetted with ultrapure water in package
- Compact space-saver capsules



PE-Kleen G2 Filter



PE-Kleen SWD Capsule

### Specifications

#### Materials of Construction

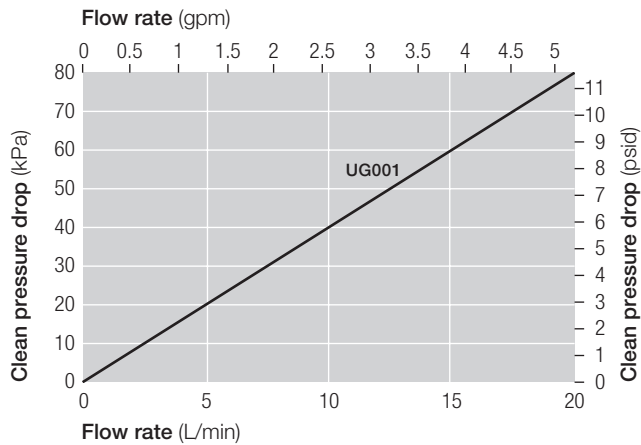
Components	Materials
Filter Medium	HDPE (High density polyethylene)
Support and Drainage	HDPE
Core, Cage and End Caps	HDPE
Housing	HDPE
O-ring Options	FEP Encapsulated fluoroelastomer, Perfluoroelastomer

<sup>1</sup> Package is completely filled with ultrapure water.

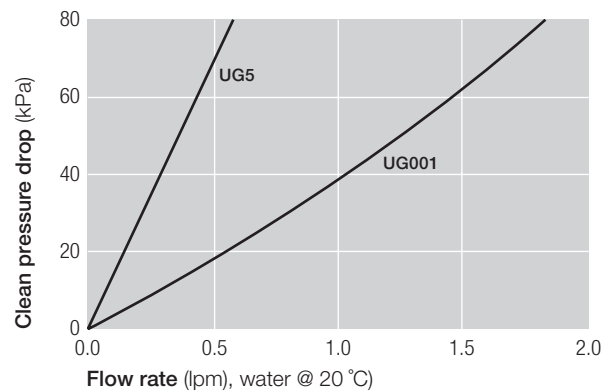
Product Name	PE-Kleen G2 Filters	PE-Kleen SWD Capsules
Removal Ratings	10 nm	5 nm, 10 nm
Configurations	ABDG type cartridge	U-flow capsule
Nominal Filter Areas	ABDG1 2.6 m <sup>2</sup> / 28 ft <sup>2</sup> ABDG2 5.2 m <sup>2</sup> / 56 ft <sup>2</sup> ABDG3 7.8 m <sup>2</sup> / 84 ft <sup>2</sup>	0.28 m <sup>2</sup> / 3.0 ft <sup>2</sup>
Maximum Operating Temperature	60 °C / 140 °F	
Maximum Forward Differential Pressure	0.34 MPa / 49 psid @ 40 °C / 104 °F	
Maximum Operating Pressure	0.35 MPaG / 51 psig < 38 °C / 100 °F 0.17 MPaG / 25 psig < 60 °C / 140 °F	

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

### PE-Kleen G2 Filters



### PE-Kleen SWD Capsules



## Part Numbers / Ordering Information<sup>2</sup>

### PE-Kleen G2 Filter

ABDG 1 UG 2 3 E 4 5

**Table 1**

Code	Nominal Length (mm / in)
1	241 / 9.5
2	484 / 19.1
3	723 / 28.5

**Table 2**

Code	Removal Ratings
001	10 nm

**Table 3**

Code	Configurations
3	222 O-ring open end flat closed end

**Table 4**

Code	O-ring materials
H1	FEP encapsulated fluoroelastomer
H11	Perfluoroelastomer

<sup>2</sup> Part numbers in combination with all codes are not always available. Please contact Pall for part number availability.

<sup>3</sup> When K3 is not included in the part number, the filter will be packaged dry.

**Table 5**

Code	Packaging
K3	Prewet <sup>3</sup>
Blank	Dry

### PE-Kleen SWD Capsules

SWD03 1 4E71 2

**Table 1**

Code	Removal Ratings
UG5	5 nm
UG001	10 nm

**Table 2**

Code	Prewet Option
None	Dry
-K13C	Prewet filter (packaged in DI water), Low metal extractables <sup>4</sup>

## Connections (Inlet / Outlet, Vent: ¼ in , Super Pillar<sup>5</sup> 300 P series (Nippon Pillar)

<sup>4</sup> Please contact Pall for the extractable conditions.

<sup>5</sup> Pillar is a trademark of Nippon Pillar Packing 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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