Pall Corporation

PE-Kleen G2 Filters
PE-Kleen SWD Capsules

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

- 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

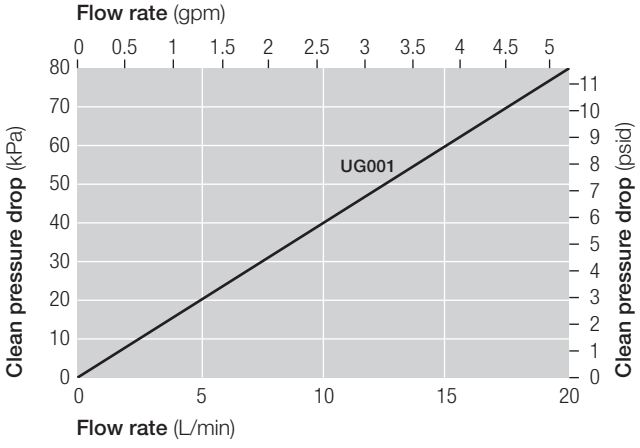
Components	Materials
Filter Medium	HDPE (High density polyethylene)
Support and drainage	HDPE
Core,cage and end caps	HDPE
Housing	HDPE
O-ring options	FEP encapsulated fluoroelastomer, Kalrez[2], Chemraz[3]

[1] Package is completely filled with ultrapure water.
[2] Kalrez is a rademark of DuPont Performance Elastomers.
[3] Chemraz is a trademark of Greene, Tweed & Co

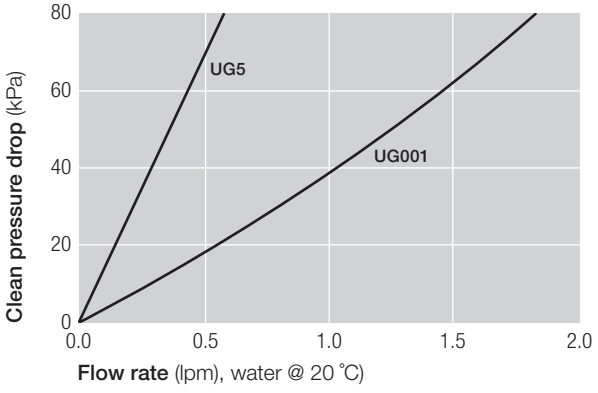
Product Name	PE-Kleen G2 Filters	PE-Kleen SWD Capsules
Removal Ratings	10 nm	5 nm, 10 nm
Configurations	ABDG type cartridge	U-flow capsule
Nominal Filter Areas	ABDG1 2.6 m^2 / 28 ft^2 ABDG2 5.2 m^2 / 56 ft^2 ABDG3 7.8 m^2 / 84 ft^2	0.28 m^2 / 3.0 ft^2
Maximum Operating Temperature	60 ℃ / 140 ℉	
Maximum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

Typical Flow Characteristics – 1 cP fluid, 20 ˚C

PE-Kleen G2 Filters



PE-Kleen SWD Capsules



Part Numbers / Ordering Information[4]

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	Kalrez
H12	Chemraz

Table 5

Code	Packaging
K3	Prewet[5]
Blank	Dry

[4] Part numbers in combination with all codes are not always available. Please contact Pall for part number availability.

[5] When K3 is not included in the part number, the filter will be packaged 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[6]

Connections (Inlet / Outlet, Vent: ¼ in , Super Pillar[7] 300 P series (Nippon Pillar)

[6] Please contact Pall for the extractable conditions.

[7] Pillar is a trademark of Nippon Pillar Packing Co.

Pall Corporation

Microelectronics

25 Harbor Park Drive
Port Washington, NY 11050
+1 800 360 7255 toll free US
+1 516 484 3600 telephone
+1 516 801 9700 fax

Nihon Pall Ltd.
6-5-1, Nishishinjuku,
Shinjuku-ku
Tokyo 163-1325 Japan
+81 3 6901 5700 telephone
+81 3 5322 2109 fax

Visit us on the Web at microelectronics.pall.com

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Filtration. Separation. Solution.SM

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