



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.

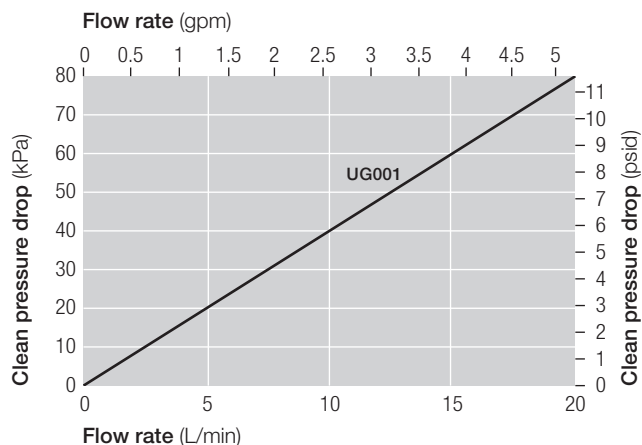
² Kalrez is a trademark of DuPont Performance Elastomers.

³ Chemraz is a trademark of Greene, Tweed & Co

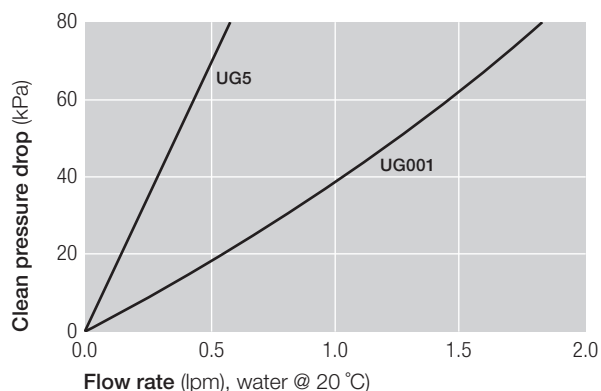
| Product Name | PE-Kleen G2 Filters | PE-Kleen SWD Capsules |
|---------------------------------------|---|--|
| Removal Ratings | 10 nm | 5 nm, 10 nm |
| Configurations | ABDG type cartridge | U-flow capsule |
| Nominal Filter Areas | ABDG1 2.6 m ² / 28 ft ² ABDG2 5.2 m ² / 56 ft ² ABDG3 7.8 m ² / 84 ft ² | 0.28 m ² / 3.0 ft ² |
| Maximum Operating Temperature | 60 °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 Information⁴

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 |

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

⁵When 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 Pillar⁷ 300 P series (Nippon Pillar)

⁶Please contact Pall for the extractable conditions.

⁷Pillar is a trademark of Nippon Pillar Packing Co.



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