UltiKleen™ Excellar ER JKC Assemblies

Data Sheet MEUKEERJKCENc

Description

The UltiKleen Excellar ER filters show enhanced retention (ER) and improved non-dewetting properties over previous designs. These properties enable semiconductor makers to meet the chemical process filtration requirements of the 22 nanometer manufacturing node and beyond. The result is a robust, reliable, and chemically clean filter suitable for use in aggressive cleaning chemistries such as SPM, SC-1 and SC-2.

The JKC (Junior Kleen-Change®) assembly is a completely disposable filter unit and is designed for critical singlepass, point-of-use retention.

Features

- Enhanced retention (ER) of particles
- Robust non-dewetting PTFE medium
- High flow rates
- Hyperfine porous media matrix design
- All ultra high purity fluoropolymer construction
- 100% integrity tested

Specifications

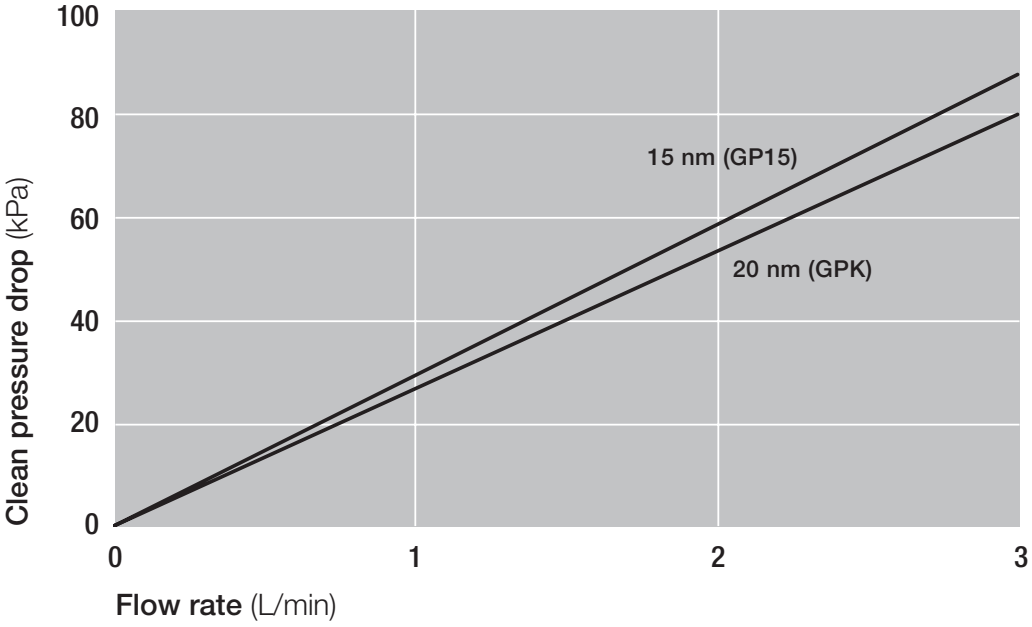
Materials of Construction

Components	Materials
Filter Medium	Surface modified PTFE
Media Support	PFA
Core / Outer Cage	PFA
End Caps	PFA
Housing	PFA

Removal Ratings and Operating Conditions

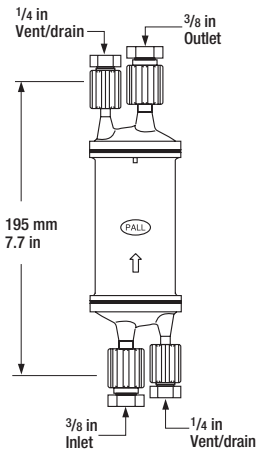
Removal Rating	20 nm, 15 nm
Configurations	In-line
Nominal Filter Area	1300 cm² / 1.4 ft²
Maximum Operating Temperature	120 °C / 248 °F
Maximum Operating Pressure	0.50 MPaG < 25 °C / 73 psig < 77 °F 0.20 MPaG < 90 °C / 28 psig < 194 °F 0.15 MPaG < 120 °C / 21 psig < 248 °F

Typical Flow Characteristics - 1cP fluid, 20 °C

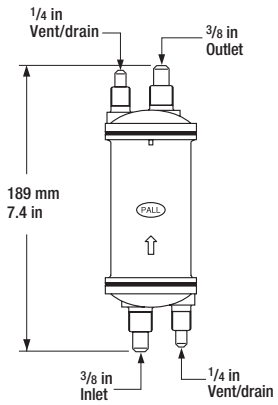


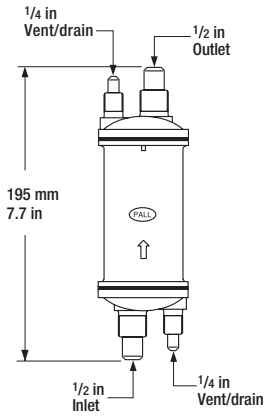
Dimensions[1]

Female Flare style type

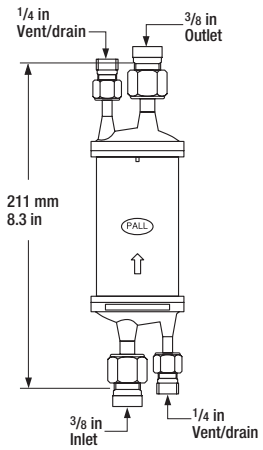


Male Flare style type

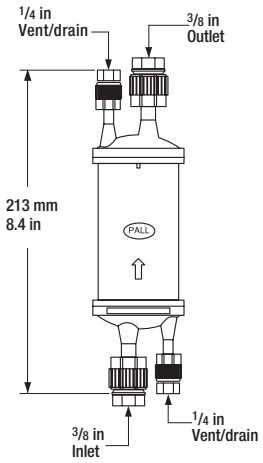




Female Super Pillar type



Female Super Pillar 300P series type



[1] Nominal length

Part Numbers / Ordering Information

LDFN 03 [1] [2] E [3] [4]

Table 1

Code	Retention Rating
GP15	15 nm
GPK	20 nm

Table 2

Code	Inlet / Outlet	Vent / Drain
06[2]	3/8" male	1/4" male
7	3/8" female	1/4" female
08[2]	1/2" male	1/4" male

[2] 06 and 08 are available for Flare style connection.

Table 3

Code	Connections
0	Non-connection
1	20 series (Flowell)
2	Super Pillar Type (Nippon Pillar)[3]
51	Flare style
71	Super Pillar 300 P series (Nippon Pillar)
72	Super Pillar 300 P series L type (Nippon Pillar)

Table 4

Code	Prewet Option
-K3	Prewet filter (packaged in DI water)
-K7	Prewet filter (packaged in DI water), Low metal extractables[4]

[3] Pillar is a trademark of Nippon Pillar Packing Co.
[4] Please contact Pall on the extractable conditions.
[5] Part numbers in conbination with all codes are not always availbale. Please contact Pall for the part number availability.

PALL CORPORATION

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

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

MEUKEERJKCENc July 2025

danaher