# 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**

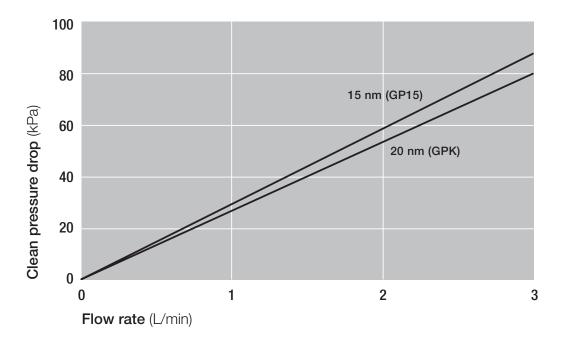
#### **Materials of Construction**

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

## **Removal Ratings and Operating Conditions**

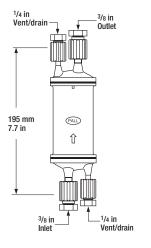
Removal Rating	20 nm, 15 nm
Configurations	In-line
Nominal Filter Area	1300 cm <sup>2</sup> / 1.4 ft <sup>2</sup>
Maximum Operating Temperature	120 °C / 248 °F
Maximum Operating Pressure	0.50 MPaG < 25 °C / 73 psig < 77 °F 0.20 MPaG < 90 °C / 28 psig < 194 °F 0.15 MPaG < 120 °C / 21 psig < 248 °F

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

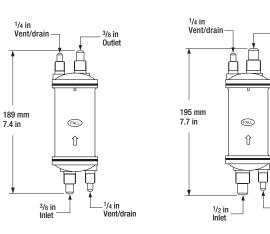


# **Dimensions**<sup>1</sup>

## Female Flare style type



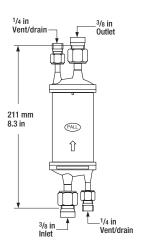
# Male Flare style type



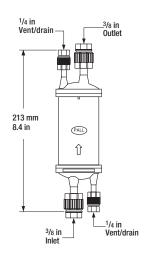
# Female Super Pillar type

1/2 in Outlet

> -<sup>1</sup>/4 in Vent/drain



## Female Super Pillar 300P series type



<sup>&</sup>lt;sup>1</sup> Nominal length

# Part Numbers / Ordering Information

LDFN 03 1 2 E 3 4

#### Table 1

Code	e Retention Rating	
GP15	15 nm	
GPK	20 nm	

#### Table 2

Code	Inlet / Outlet	Vent / Drain
06 <sup>2</sup>	3/8" male	1/4" male
7	3/8" female	1/4" female
08 <sup>2</sup>	1/2" male	1/4" male

 $<sup>^{\</sup>rm 2}$  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) <sup>3</sup>
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 <sup>4</sup>

<sup>&</sup>lt;sup>3</sup> Pillar is a trademark of Nippon Pillar Packing Co.



#### Microelectronics

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

# Nihon Pall Ltd.

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<sup>&</sup>lt;sup>4</sup> Please contact Pall on the extractable conditions.

<sup>&</sup>lt;sup>5</sup> Part numbers in conbination with all codes are not always availbale. Please contact Pall for the part number availability.