

Description

The Pall XpressKleen JKC disposable assembly uses a new generation of surface modified and patent pending PTFE membrane designed for leading edge critical chemical processes.

The XpressKleen JKC filter provides control of critical size particles and maintains critical fluid purity with a product guarantee of less than 3 ppb of total metal ion extractables¹. The XpressKleen filter's surface cleanliness includes removal of organic contamination and surface particles. This makes the filter suitable for use in point of use (POU) and at the point of process (POP) to help fabs define a contamination control system that delivers the required fluid purity to the wafer.

This is accomplished by Pall's completely integrated and advanced manufacturing capability that extends from the PTFE resin to the finished filter device. The filter cleanliness reduces process downtime and delivers fast qualification following filter change.

The XpressKleen JKC (Junior Kleen-Change®) assembly is a completely disposable filter unit designed for critical single pass use.



Features & Benefits

- Low extractables¹ < 3 ppb total of 13 elements
< 0.1 ppb (Ni), < 0.2 ppb (Cu)
- 40 nm particle rinse up control in UPW
- TOC control
- 100% prewetted shipment with ultrapure water package
- Small size designed KC assembly for critical singlepass and POU retention
- Disposable filter unit with filter cartridge integrally sealed in housing
- Sealed assembly for safer handling and faster change-out
- 100% integrity tested

¹ Total metal concentrations in 13 elements:

Li, Na, Mg, Al, K, Ca, Cr, Mn, Fe, Ni, Cu, Zn, Pb. Consult factory for conditions.

² XP10 nm has ≤1ppb of total metal ion concentration per single length filter.

Specifications

Materials of Construction³

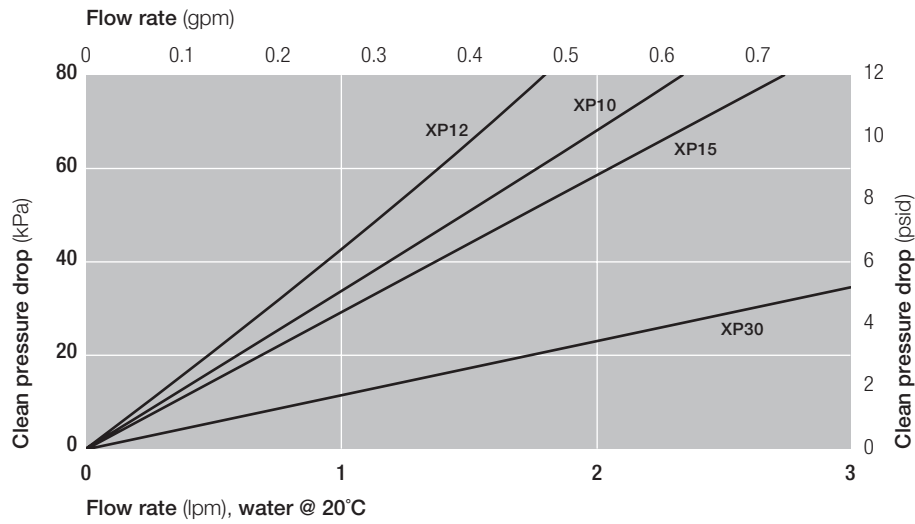
Components	Materials
Filter Medium	Surface modified PTFE
Media Support	PFA
Core, Cage and End Caps	PFA
End Caps	PFA
Housing	PFA

³ All fluoropolymer materials made without PFOA.

Removal Ratings and Operating Conditions

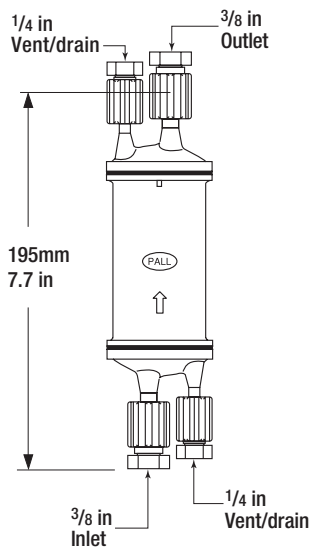
Removal Ratings	10 nm	12 nm	15 nm	30 nm
Media Code	XP10	XP12	XP15	XP30
Configurations	In-line			
Nominal Filter Area	0.13 m ² / 1.4 ft ²			
Maximum Operating Temperature	120 °C / 248 °F			
Maximum Operating Pressure	0.50 MPaG < 40 °C / 73 psig < 144 °F			
	0.20 MPaG < 90 °C / 28 psig < 194 °F			
	0.15 MPaG < 120 °C / 21 psig < 248 °F			

Typical Flow Characteristics - 1cP fluid, 20 °C

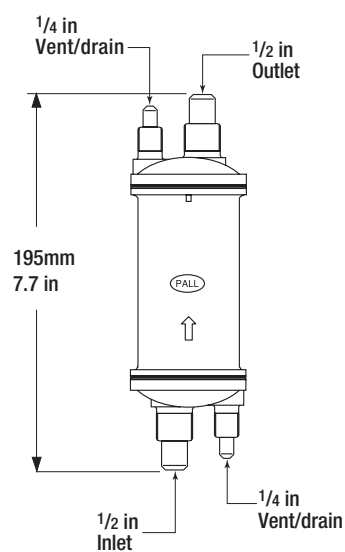
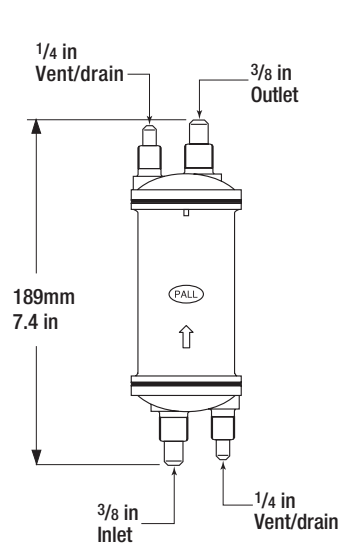


Nominal Dimensions

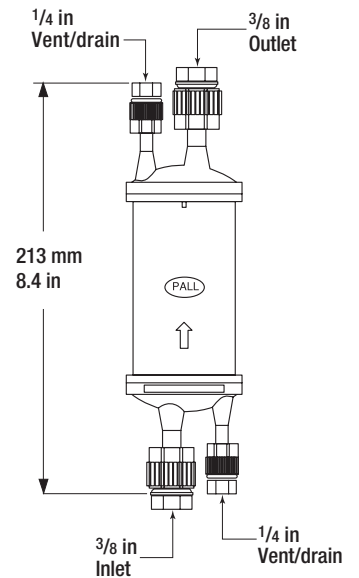
Female Flare style type



Male Flare style type



Female Super Pillar 300P series type



Part Numbers / Ordering Information⁴

LDFN03XP 1 2 E 3

Table 1

Code	Removal Ratings
10	10 nm
12	12 nm
15	15 nm
30	30 nm

Table 2

Code	Inlet / Outlet	Vent / Drain
06 ⁵	3/8" male	1/4" male
7	3/8" female	1/4" female
08 ⁵	1/2" male	1/4" male

Table 3

Code	Connections
1	20 series (Flowell) ⁶
2	Super Pillar type ⁷
51	Flare style
71	Super Pillar 300 P series
72	Super Pillar 300 P series L type

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

⁵ 06 and 08 are available with Flare style connection.

⁶ Flowell is a trademark of Flowell Corporation.

⁷ Super 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.


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 www.pall.com/microelectronics
Contact us at www.pall.com/contact

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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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