

# G2 Kleen-Change® Assemblies with High Temperature Operation Rating



Data Sheet MEG2KCHTENC

## Description

Pall Corporation's new in-line G2 Kleen-Change can be safely operated in high temperature chemical applications such as SPM and Phosphoric acid up to 200 °C.

The new in-line G2 Kleen-Change is made with an engineered ultra pure PFA resin specifically designed for higher temperature and pressure chemical application. (Please refer to the chart below that provides the temperature and pressure operating conditions.)

The filter and capsule construction are optimized for use in high temperature chemicals. The G2 Kleen-Change filter's high flow rate makes it suitable for both point of use and recirculation bath applications.

The G2 Kleen-Change assembly is offered in four filter retention grades including 0.1 µm, 30 nm and the XpressKleen™ 12 nm, 10 nm<sup>1</sup> filter. This retention range provides for prefiltration, point of use and reclaim options.

<sup>1</sup> Please visit our web site for XpressKleen G2 KC.

[http://www.pall.com/pdfs/Microelectronics/MEXKG2EN\\_XpressKleen-G2.pdf](http://www.pall.com/pdfs/Microelectronics/MEXKG2EN_XpressKleen-G2.pdf)



In-line G2 Kleen-Change

## Features & Benefits

- Enhanced operating pressure rating for 200 °C
- In-line disposable filter
- Dimensionally compatible with the existing in-line G2 Kleen-Change assemblies.

## Specifications

### Materials of Construction

Components	Materials <sup>2,3</sup>
Filter Medium	Non-dewetting PTFE or PTFE
Media Support	PFA / PTFE or PFA
Inner Core	PFA
Outer Cage	PFA
End Caps	PFA
Housing	PFA
Seal	Heat Melt Seal

<sup>2</sup> All fluoropolymer materials made without PFOA.

<sup>3</sup> Please refer to each product data sheet for the details.

### Configurations

#### Maximum Operating Temperature

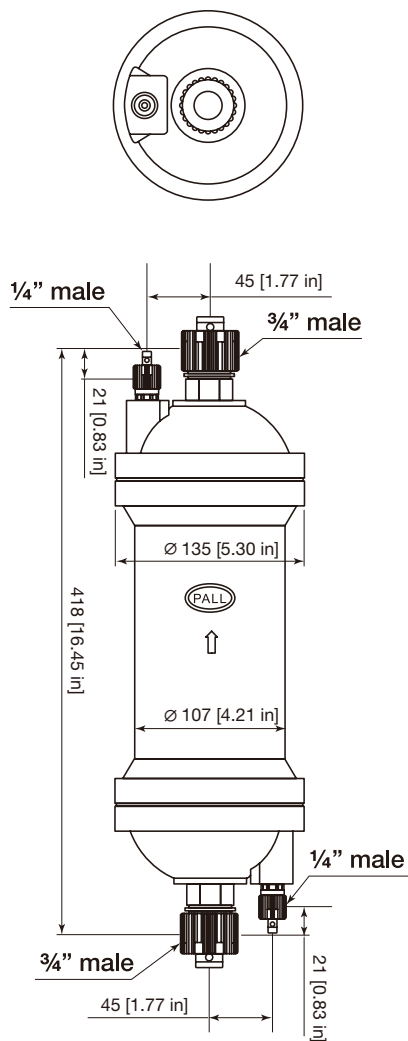
In-line

200 °C / 392 °F

#### Maximum Operating Pressure

0.49 MPaG < 25 °C / 77 °F  
0.38 MPaG < 90 °C / 194 °F  
0.33 MPaG < 120 °C / 248 °F  
0.29 MPaG < 150 °C / 302 °F  
0.25 MPaG < 170 °C / 338 °F  
0.24 MPaG < 180 °C / 356 °F  
0.22 MPaG < 190 °C / 374 °F  
0.21 MPaG < 200 °C / 392 °F

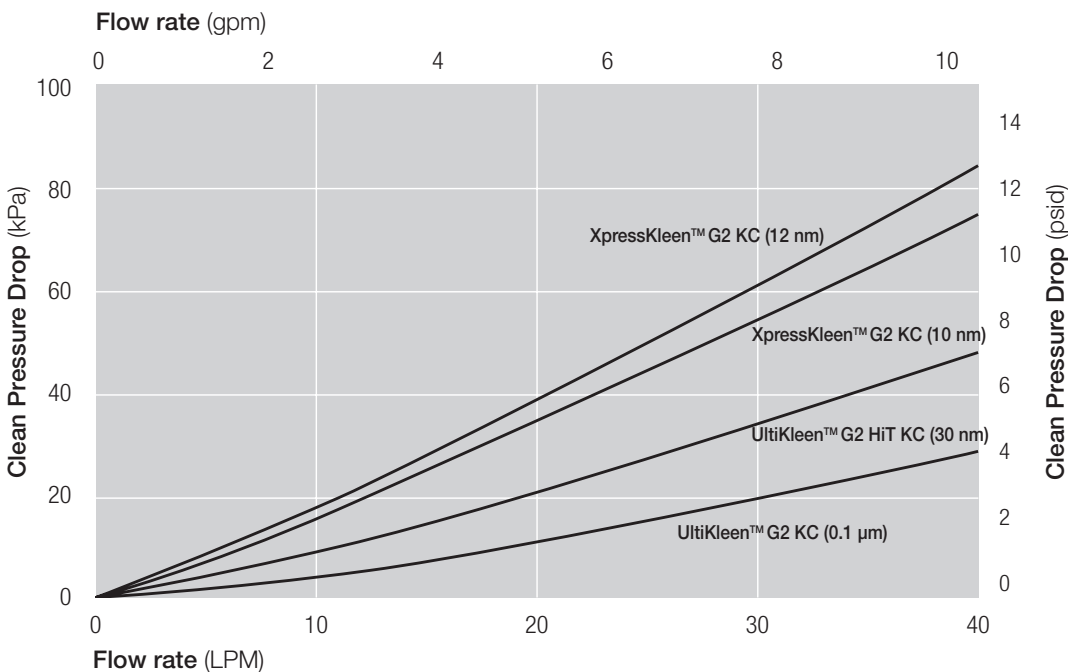
Nominal Dimensions



G2 Kleen-Change, Super Pillar<sup>4</sup> 300 P series

<sup>4</sup> Super Pillar is a trademark of Nippon Pillar Packing Co., Ltd.

Typical Flow Characteristics - 1cP fluid, 20 °C



## Part Numbers / Ordering Information

LDFGN1 **1** 124E71HT **2**

**Table 1**

Code	Removal rating	Filter Area	Product name <sup>5</sup>
XP10	10 nm	2.8 m <sup>2</sup>	XpressKleen G2 KC
XP12	12 nm	2.2 m <sup>2</sup>	XpressKleen G2 KC
HGP30	30 nm	1.3 m <sup>2</sup>	UltiKleen G2 HiT KC
UCFTL	0.1 µm	2.2 m <sup>2</sup>	UltiKleen G2 KC

<sup>5</sup> Please refer to each product data sheet for the details.

**Table 2**

Code	Prewet option	Remark
none	Prewet filter (packaged in DI water)	For XpressKleen G2 KC
– K7	Prewet filter (packaged in DI water), low metal extractables <sup>6</sup>	For UltiKleen G2 HiT KC and UltiKleen G2 KC

<sup>6</sup> Please contact Pall for the extractable conditions.



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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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