

## Description

The Pall UltiKleen STG filter is specifically designed for the filtration of organic stripper in non-ashing polymer stripping applications, where the large gel count is high. The large size of these gels can rapidly plug conventional membrane filters leading to short filter life and process downtime.

The UltiKleen STG filter uses a highly engineered multilayer media construction that combines high gel retention capacity layers with an optimized pleat design for maintaining continuous fluid flow. The result is superior gel removal and long filter life for extended process operation.

## Features & Benefits

- Maximum Gel Removal
- Improved Flow
- Multilayer Media Design
- All Fluoropolymer construction
- 100% integrity tested
- Prefilter and Final filter grades



## Materials of Construction

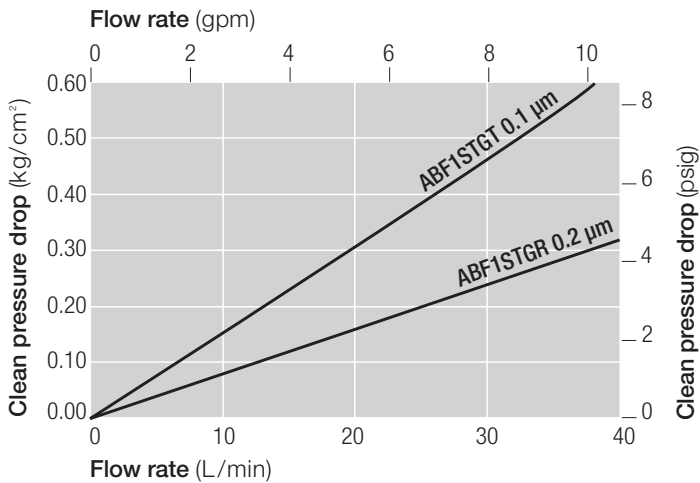
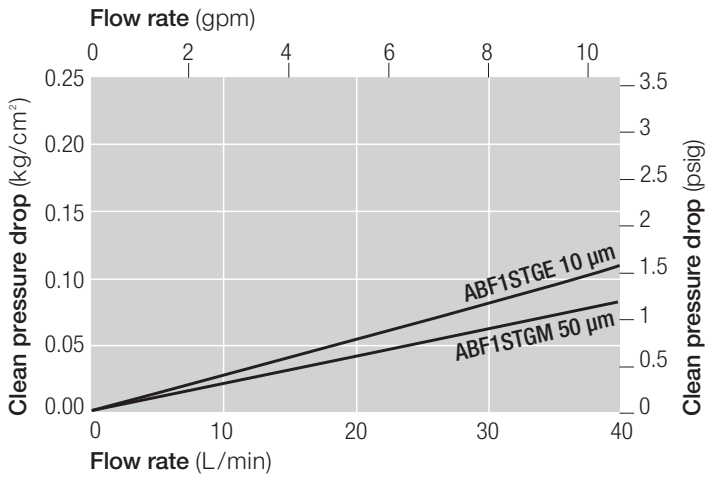
<b>Filter Medium</b>	PTFE
<b>Media Support</b>	PTFE, PFA
<b>Cage, Core, and End Caps</b>	High purity PFA
<b>O-ring Option</b>	FEP encapsulated fluoroelastomer, Perfrez <sup>1</sup> PXC-Ultra

<sup>1</sup> Perfrez is a trademark of Applied Seals North Americas

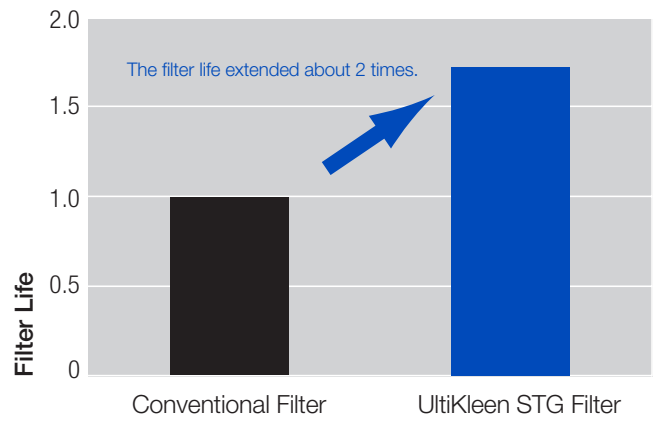
## Specifications

<b>Removal Ratings</b>	50 µm, 10 µm, 0.2 µm, 0.1 µm
<b>Filter Areas</b>	254 mm / 10" (ABF1): 0.48 m <sup>2</sup> / 5.2 ft <sup>2</sup> 254 mm / 10" (ABFG1): 0.5 m <sup>2</sup> / 5.4 ft <sup>2</sup>
<b>Configurations</b>	<b>Nominal Diameter</b> ABF: 70 mm / 2.75 in ABFG: 83 mm / 3.27 in
	<b>Nominal Lengths</b> 254 mm / 10 in
<b>O-Ring Size / End Caps</b>	Code 3 (222 double O-ring / flat end)
<b>Maximum Operating Temperature</b>	170 °C / 338 °F
<b>Maximum Forward Differential Pressure</b>	4.2 kg / cm <sup>2</sup> @ 110 °C / 60 psid @ 230 °F
<b>Maximum Reverse Differential Pressure</b>	3.5 kg / cm <sup>2</sup> @ 20 °C / 50 psid @ 68 °F

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



## Field Test Results of UltiKleen STG Filter vs Conventional Filter



The graph shows the results of tests conducted at one of Japan's largest semiconductor manufacturer's and the increase of filter life with the UltiKleen STG filter vs. a conventional design fluoropolymer membrane filter.

## Part Numbers / Ordering Information

Part Number <sup>2</sup>	Removal Rating (µm)	Nominal Length (mm / in)	Configuration Code	O-Ring Material
ABFG1STGM3EH38-K3	50	254 / 10	3	Perfrez PXC-Ultra
ABFG1STGM3EH1	50	254 / 10	3	FEP Encapsulated fluoroelastomer
ABFG1STGE3EH1-K3	10	254 / 10	3	FEP Encapsulated fluoroelastomer
ABF1STGR3EH1	0.2	254 / 10	3	FEP Encapsulated fluoroelastomer
ABF1STGR3EH1-K3	0.2	254 / 10	3	FEP Encapsulated fluoroelastomer
ABF1STGT3EH1	0.1	254 / 10	3	FEP Encapsulated fluoroelastomer
ABF1STGT3EH1-K3	0.1	254 / 10	3	FEP Encapsulated fluoroelastomer

<sup>2</sup> "K3" at end of part number added for prewet option.



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