

# Pumpgard™ II Filter

*Protects wet station chemical pumps  
from wafer particles*

Pumpgard™ II filters protect chemical pumps and final filters against damage caused by silicon wafer pieces. The 60 µm retention rating is ideal for capturing larger wafer pieces before they reach the pump and/or final filter.

Within the normal operation of a wet bench, process wafer can break and release wafer shards into the process bath. These shards can damage the bellows (made of fluoro-polymer resin) or the diaphragms within the pump.

Pumpgard II filters, installed on the upstream side of the recirculation pump, can efficiently remove shards from process chemical baths before damage occurs to expensive chemical pumps.

## APPLICATIONS

- Semiconductor, flat panel display, data storage
- Point-of-tool, wet etch and clean and cleaning processes
- Aggressive acids, aggressive bases, solvents, resist strippers

## FEATURES & BENEFITS

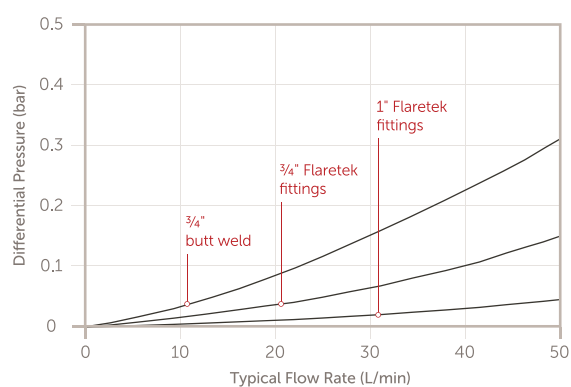
<b>Fluoropolymer construction</b>	Provides excellent compatibility with most acids, bases, and nonflammable solvents used in web stations
<b>Large pore size</b>	Ensures optimum process bath flow with minimum pressure drop, reducing downtime and eliminating risk of damage to expensive pumps
<b>Compact design</b>	Allows installation into new and existing pumps
	Ensures low hold-up of process chemicals, facilitating fast filter changeout while minimizing downtime and lowering operation costs



## SPECIFICATIONS

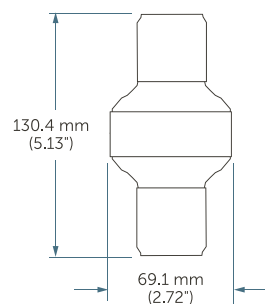
<b>Materials</b>	Filter	PFA net
	Housing	440 HP PFA
<b>Retention rating</b>	60 $\mu\text{m}$	
<b>Filtration area</b>	23 $\text{cm}^2$ (3.5 $\text{in}^2$ )	
<b>Inlet/outlet connections</b>	3/4" tube	
	3/4" Flaretek® fitting	
	1" Flaretek fitting	
<b>Maximum operating conditions</b>	Maximum input pressure	0.345 MPa (3.45 bar, 50 psi) at 25°C (77°F)
	Maximum forward/reverse differential pressure	0.345 MPa (3.45 bar, 50 psid) at 25°C (77°F)
	Maximum operating temperature	3/4": 180°C (356°F) at 14 psi 1": 180°C (356°F) at 10 psi

## PERFORMANCE DATA

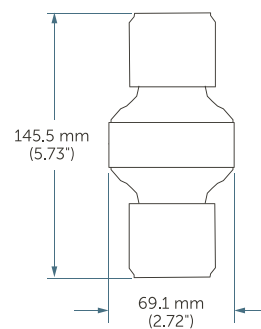


## DRAWINGS

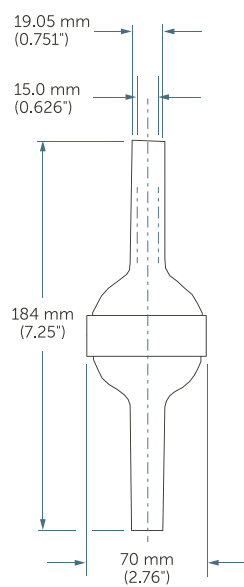
3/4" Flaretek Fittings



1" Flaretek Fittings



3/4" Butt Weld Fittings



## ORDERING INFORMATION

PART NUMBER	LENGTH	CONNECTION
WDPM0CP0F	5"	3/4" Flaretek® fitting
WDPM0CP4F	5"	1" Flaretek® fitting
WDPM0CPSF	7"	3/4" tube fitting
WDPM0CPST3	7"	3/4" Super 300 type Pillar® fitting
WDPM0CPSTP	7"	3/4" Super type Pillar® fitting

#### FOR MORE INFORMATION

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Corporate Headquarters  
129 Concord  
Billerica, MA 01821  
USA

Customer Service  
Tel +1 952 556 4181  
Fax +1 952 556 8022  
Toll Free 800 394 4083

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