

# PEACH-Pure™ PEACH DEPTH STYLE, CLASSIFIER LIQUID FILTER CARTRIDGES

## Series PCLAS

For use in Parker Fulflo® vessels or competitor vessels of similar design



The PEACH-Pure, Series PCLAS, provides consistent filtration for a wide variety of fluids. The PCLAS uses PEACH filtration technology to create a thermally bonded, three-dimensional depth filter with a fixed pore structure to classify contaminant capture and maintain

consistent efficiency throughout its life. This type of filtration acts as a sieve to focus on retaining targeted particle sizes while allowing smaller non-harmful particle sizes to pass through.

## Market Applications

### Automotive Paint Operations

Automotive paint operations are highly advanced. The Parker PCLAS has become a successful filtration aid during batch production of many new water-based automotive paints and other new coatings.



### Paint Manufacturing

When put to the test against competitor filters the Parker PCLAS gave longer filter life. The shredable plastic core option was an additional benefit to some locations as well!



### Machining Fluids / Canned Coolants

Parker is trusted to help clean up expensive metal machining fluids by removing particles, yet not strip out important properties of the machining fluid. Meeting the performance goals for both the machining fluid and filter life.



### Ink Production

Ink production customers desire filters that are both rigid and capable of depth loading. Customers can avoid surface loading and produce consistent batches of product.



## MAKE THE SWITCH TO PCLAS

As resin bonded classifier cartridges existed the market due to environmental impact reasons, including Parkers ProBond™ cartridges, it left a void in the market for a solution. Parker's team of engineers were able to answer that call with the development of the PEACH-Pure PCLAS cartridge series. It's all synthetic media and carefully designed depth matrix structure was specifically created to mimic the same classifier filtration performance of the previous resin bonded cartridges. Customer's who previously used resin bonded cartridges can be confident that the performance of PCLAS will do the job!

### PCLAS can be used in place of:

- Parker ProBond PRO
- Pall Hi-V RPN
- 3M/Cuno Micro-Klean RB
- Global Filter GRU-V
- Jonell ECO-RBU
- Nowata Trapper NP
- Matrix MTX resin-dipped string

PCLAS

Previous Resin Bonded Cartridges



<https://crossref.parker.com>



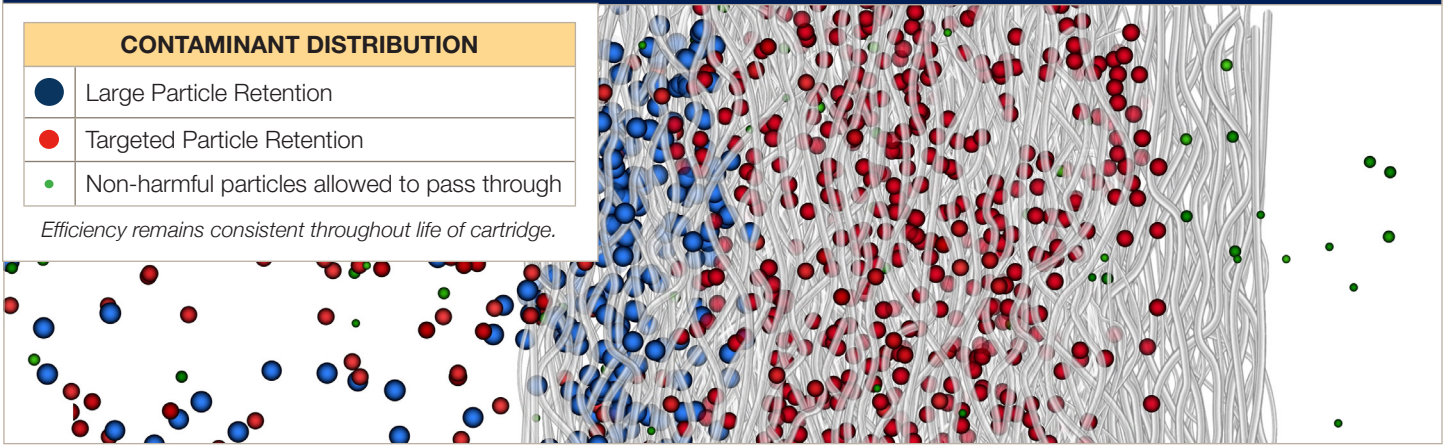
ENGINEERING YOUR SUCCESS.

## CLASSIFIER FILTRATION MECHANICS

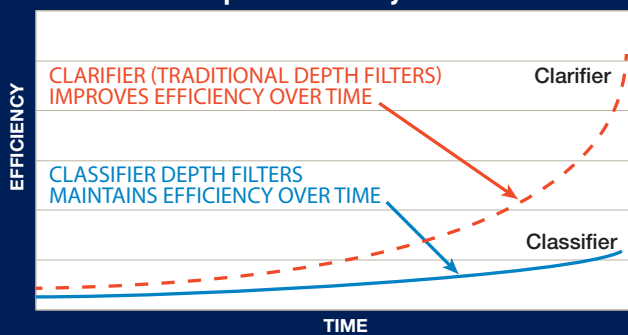
### CONTAMINANT DISTRIBUTION

<span style="color: blue;">●</span>	Large Particle Retention
<span style="color: red;">●</span>	Targeted Particle Retention
<span style="color: green;">●</span>	Non-harmful particles allowed to pass through

Efficiency remains consistent throughout life of cartridge.



### Generic Example Efficiency Curve Over Time



### DEPTH FILTERS... CLASSIFIER VS. CLARIFIER

The Parker PCLAS filter is a true classifier. Its efficiency and corresponding beta ratio do not improve significantly over its life. Instead, the PCLAS classifier filter is focused on strategically maintaining a desired level of performance for as long as possible before requiring filter removal. This design prevents over filtration and stripping out critical components that need to remain within many batch-like applications around the world.

### FEATURES

### BENEFITS



Parker Engineered Media	Fibers of various sizes are thermally bonded to build, in house, specific filtration media recipes.
Thermal Bonded Fibers	Both individual fibers and media sheets are thermal bonded so no resins are required. This keeps the media pore structure open and provides excellent porosity and permeability.
3-Stage Classification Layers	Classifies particle capture within each layer to target specific sizes while allowing smaller non-harmful particles to pass through.
Conical Helix Flow Pattern	Creates a longer, tortuous flow path in radial, axial and helical directions which increases the probability of contaminant removal.
Rigid Construction	Rigid thermal bonded matrix creates a strong filter tube that prevents contaminant from unloading or channeling as differential pressure increases.
Environmentally Friendly 100% Synthetic Filter Media	Filter media is 100% synthetic and does not contain resins which can be of environmental concern. The media tube can be disposed of by incineration, crushing or shredding.
Silicone Free Construction	Helps prevent craters/fisheyes in inks and paints.

- Chemicals
- Coatings
- Coolants
- Injection Well Water
- Inks
- Gels
- Machining Fluids
- Paints
- Plating Solutions
- Process Fluids
- Solvents
- Varnishes
- Water

### APPLICATIONS



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## MATERIALS

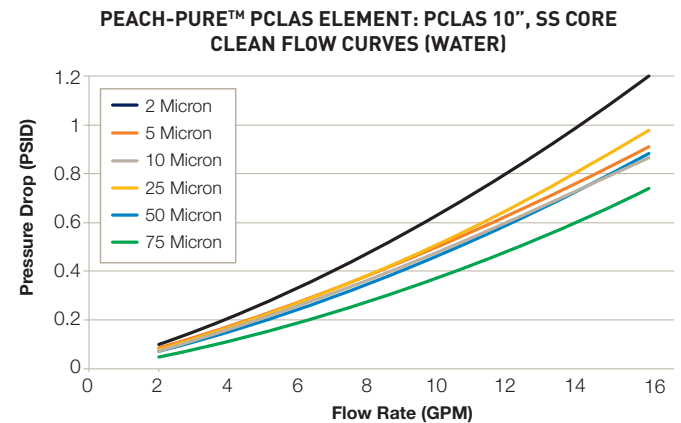
<b>MEDIA</b>	PEACH Depth Technology – Polyester
<b>CORE</b>	Polyester or 304 Stainless Steel
<b>END CAPS</b>	Standard – None See end cap options under ordering information
<b>SEAL</b>	None (Standard), Buna-N, EPR, Viton, Silicone

## NOMINAL DIMENSIONS

SIZE	O.D.	I.D.	LENGTH
209	2.5" / 64mm	1.08" / 27.4mm	9.75" / 248mm
210	2.5" / 64mm	1.08" / 27.4mm	10" / 254mm
219	2.5" / 64mm	1.08" / 27.4mm	19.5" / 495mm
220	2.5" / 64mm	1.08" / 27.4mm	20" / 508mm
229	2.5" / 64mm	1.08" / 27.4mm	29.25" / 743mm
230	2.5" / 64mm	1.08" / 27.4mm	30" / 762mm
239	2.5" / 64mm	1.08" / 27.4mm	39" / 991mm
240	2.5" / 64mm	1.08" / 27.4mm	40" / 1016mm

## PERFORMANCE

**MICRON RATINGS:** 2, 5, 10, 25, 50, 75, 125, 200



## OPERATING DATA

**FLOW DIRECTION:** Outside-to-Inside

**MAX. TEMP:** 240°F / 116°C

180°F / 82°C If using end treatment code S, SX or X

**MAX. DIFFERENTIAL**

**PRESSURE:** 85 psid / 5.9 bar with steel core

50 psid / 3.4 bar with plastic core

**RECOMMENDED CHANGE-OUT**

**DIFFERENTIAL PRESSURE:** 50 psid / 3.4 bar with steel core

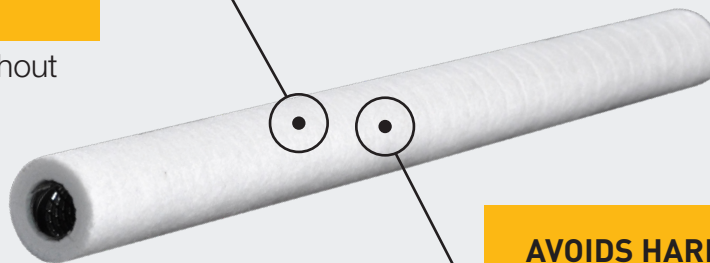
25–30 psid / 1.7–2.0 bar with plastic core

**PH RANGE:** 3–9

*Parker's development of PCLAS technology to replace resin bonded products previously in the market shows our commitment to reducing pollutants and building sustainable solutions towards a cleaner future.*

### RESIN FREE

Enhanced performance without the use of phenolic resin



### AVOIDS HARMFUL EMISSIONS

New manufacturing process eliminates formaldehyde and phenol

<b>PCLAS</b>	<b>240</b>	<b>A</b>	<b>10</b>	<b>V</b>	<b>SS</b>			
<b>SERIES</b>	<b>SIZE</b>		<b>PERFORMANCE</b>		<b>SEAL</b>		<b>CORE</b>	
	<b>CODE</b>	<b>LENGTH</b>	<b>CODE</b>	<b>MICRON</b>	<b>CODE</b>	<b>MATERIAL</b>	<b>CODE</b>	<b>MATERIAL</b>
	209	9.75"	02	2	BLANK	None	BLANK	Polyester
	210	10"	05	5	B	Buna-N	SS	304 Stainless
	219	19.5"	10	10	E	EPR		
	220	20"	25	25	V	Viton		
	229	29.25"	50	50	S	Silicone		
	230	30"	75	75				
	239	39"	125	125				
	240	40"	200	200				

<b>END TREATMENT</b>	
<b>CODE</b>	<b>END STYLE</b>
A	Double Open End (DOE) *** No End Caps or Seal
O	Single Open End: Closed Top Cap / 222 O-Ring Seal Bottom Cap *** Requires Seal
S	Single Open End: Polypropylene Spring Closed Top / Std Open End Bottom *** No Seal
SX	Single Open End: Polypropylene Spring Closed Top / Open End Bottom with Polypropylene Extender *** No Seal
X	Double Open End w/ Polypropylene Extender *** No Seal
X2	Double Open End w/ Stainless Steel Extender *** No Seal



**SCAN QR CODE FOR ADDITIONAL  
PRODUCT INFORMATION INCLUDING  
AVAILABLE PART NUMBERS**

For technical questions contact [ipf.technical@support.parker.com](mailto:ipf.technical@support.parker.com) or call 940-325-2575  
 To order, contact a support representative at [ipf.support@support.parker.com](mailto:ipf.support@support.parker.com) or call 940-325-2575  
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