



aerospace  
climate control  
electromechanical  
**filtration**  
fluid & gas handling  
hydraulics  
pneumatics  
process control



## SNAPP™

The One-Piece, High-Performance  
Snap-In Fuel Filter Water Separator  
For Marine and Mobile Applications



ENGINEERING YOUR SUCCESS.

Now, getting the fuel filtration you need ...

**is a SNAPP.**



## **SNAPP.** The fuel filter change that changes everything.

The world turns to Racor for filtration solutions that provide ultimate protection from water and solid contamination. This is filtration that includes two innovations often copied but never quite duplicated – the powerful protection of patented, world-class Aquabloc® Synergy filter media and, the Racor trademark, a clear bowl that allows for at-a-glance inspection of fuel system integrity.

————— **Fast, easy, clean, SNAPP is a fuel filter change for the better** —————

SNAPP is big protection for small engines and makes every filter change literally a snap. Fast, easy, clean. No tools are needed – when it's time for service, simply snap in a new filter. Simple installation and a patented priming system mean that protecting your engine investment is now ... a SNAPP.

# Mighty small. Small but mighty.

For E10 gasoline, diesel and bio-diesel applications - At just 4" x 8", SNAPP fits anywhere, protects everywhere.

*SNAPP is a one-piece fuel filter water separator that is tool-free and fast to service.*

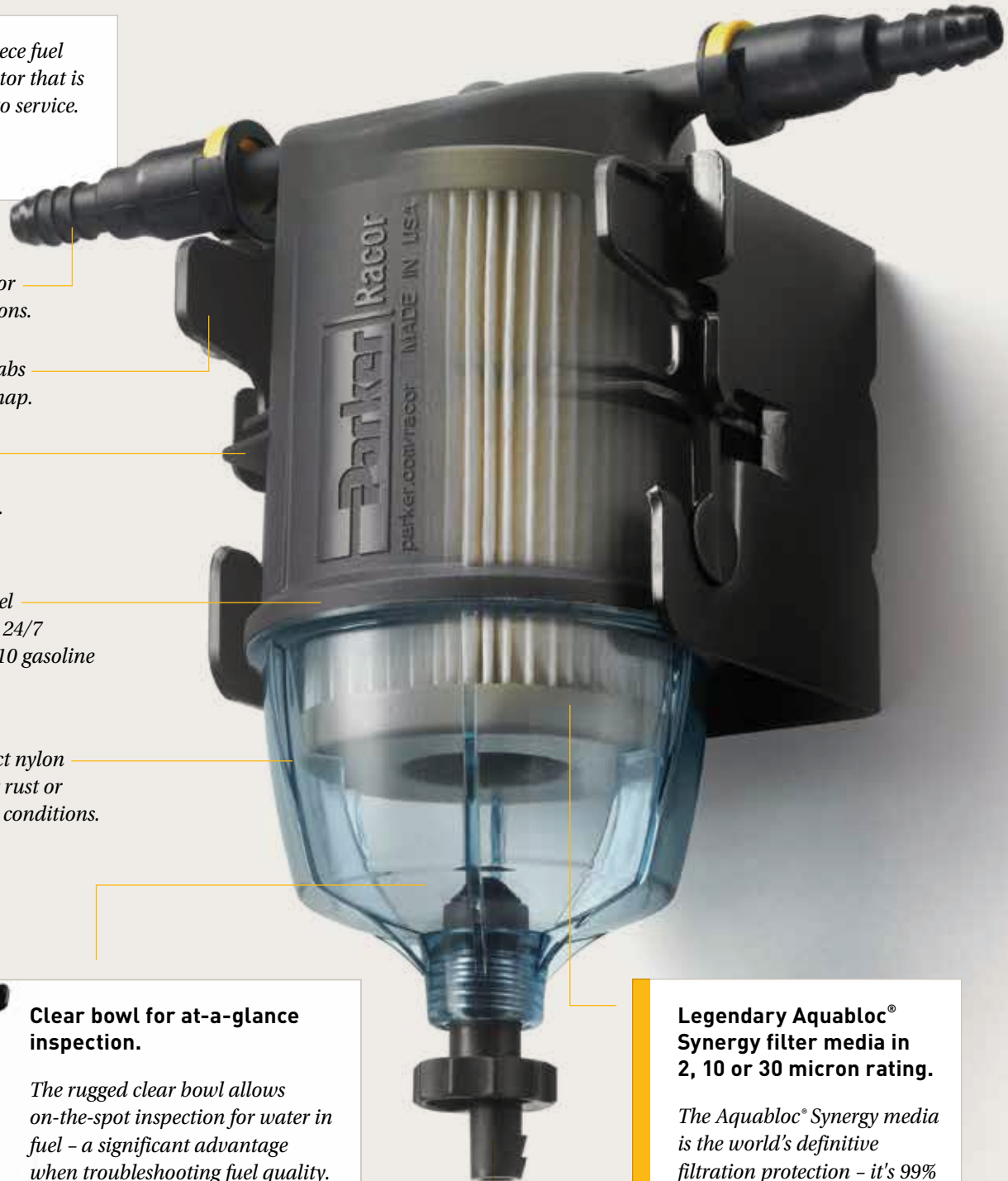
*Quick-connect fittings for fast, confident connections.*

*Quick-release squeeze tabs make filter changes a snap.*

*Permanent mounting bracket withstands corrosive environments.*

*SNAPP is a one-piece fuel filter water separator for 24/7 protection, even with E10 gasoline and bio-diesel.*

*Heavy-duty high-impact nylon construction won't ever rust or corrode, even in humid conditions.*



**Clear bowl for at-a-glance inspection.**

*The rugged clear bowl allows on-the-spot inspection for water in fuel - a significant advantage when troubleshooting fuel quality.*

**Legendary Aquabloc® Synergy filter media in 2, 10 or 30 micron rating.**

*The Aquabloc® Synergy media is the world's definitive filtration protection - it's 99% effective in separating water and solid contamination from diesel and bio-diesel.*

*The Racor self-venting drain means easy service with no mess - twist, drain, done.*

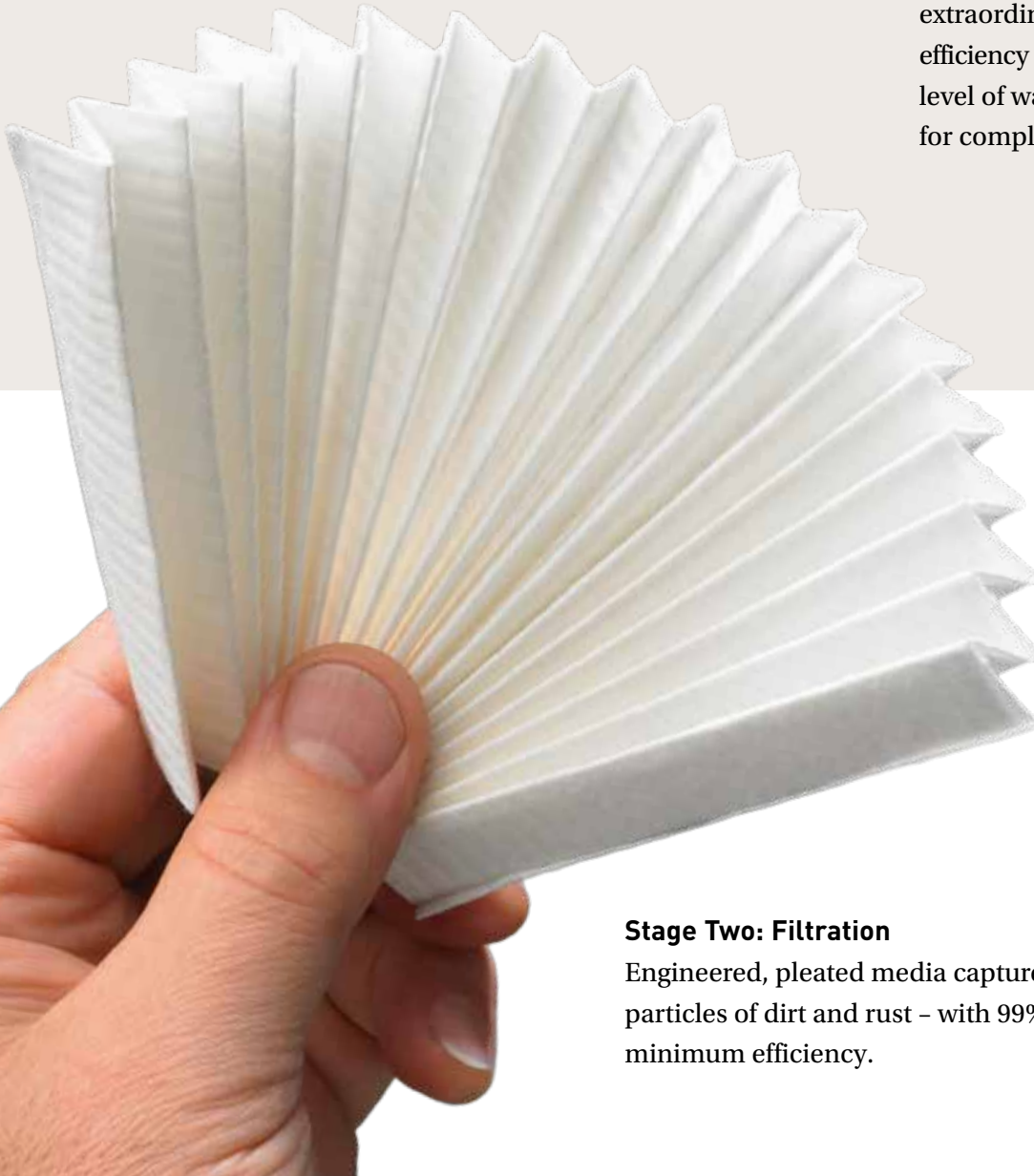
# AQUABLOC SYNERGY ENGINEERED MEDIA

## The Heart & Soul of Ultimate Engine Protection

Sensitive diesel fuel injection systems demand complete removal of damaging water and solid contamination. Yet, diesel fuel additives and bio-diesel have made separation of water and solid particulates more challenging than ever. The SNAPP integrated fuel-filter water-separator is a filtration system that is 99% efficient.

### **Stage One: Coalescing**

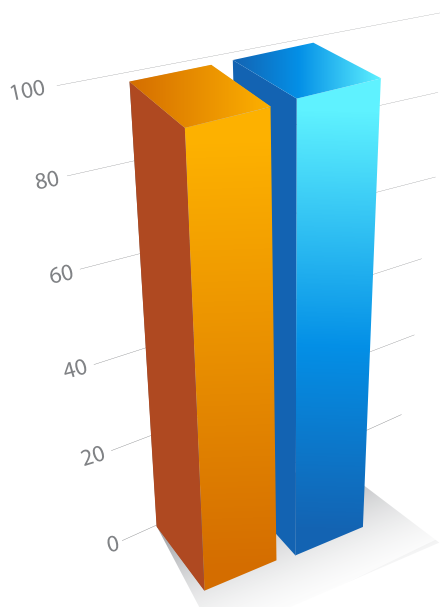
Water droplets coalesce on the upstream of a chemically-treated composite media. As the droplets grow in size, and being heavier than fuel, they fall into the collection bowl to be drained away. Importantly, the large surface area of the pleated media lowers the fuel face velocity, enabling an extraordinary water removal efficiency of +99% (SAE J1839). This level of water removal is essential for complete engine protection.



### **Stage Two: Filtration**

Engineered, pleated media captures microscopic particles of dirt and rust - with 99% (SAE J1985) minimum efficiency.

The ultra-high-efficiency Aquabloc Synergy media is an engineered blend of distinct media formulations – high-grade cellulose compounded with engineered fibers and chemical treatments proven to repel water.

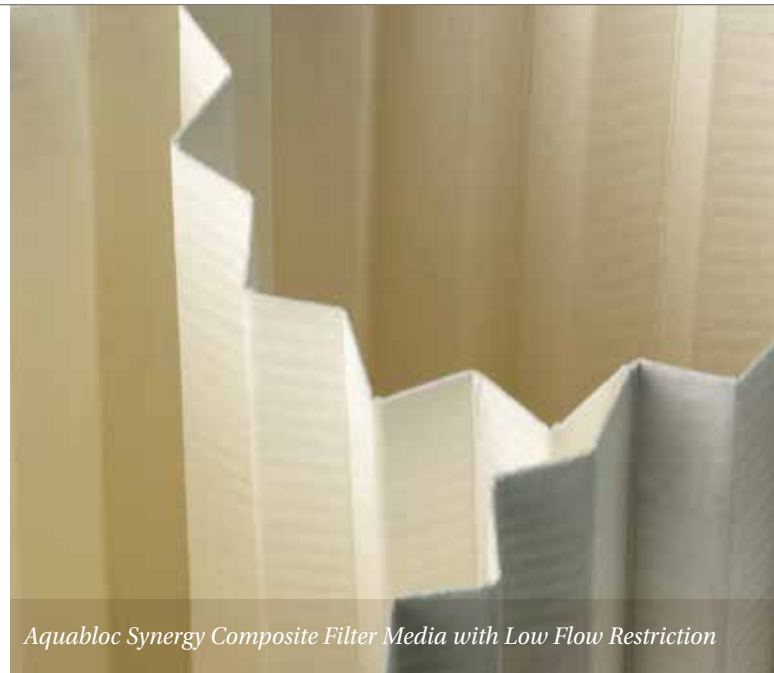


**+99%** water removal efficiency (SAE J1839)

**+99%** particle efficiency (SAE J1985)

### Fuel Flow Specifications

<b>M</b> MICRON	<b>G</b> GASOLINE	<b>D</b> DIESEL
2	40 GPH	26 GPH
10	34 GPH	26 GPH
30	26 GPH	26 GPH



*Aquabloc Synergy Composite Filter Media with Low Flow Restriction*

- Ultra-high capacity means less frequent filter changes, boosting operating economy.
- The Aquabloc Synergy media is both corrugated and pleated to greatly increase the effective filtration surface area. More surface area lowers fuel face velocity, improving coalescing and filtration efficiency.
- The high-dirt-holding-capacity Aquabloc Synergy media helps to dramatically extend the life of final-stage on-engine filters, and reduce the overall cost of filtration service.
- Aquabloc Synergy cartridge filter elements are available in 2, 10, 30 micron ratings for diesel, B-20 bio-blends, gasoline and E10, so that protection can be tailored to fuel quality, operating environments and service schedules.

# SNAPP

The Fastest, Cleanest Fuel Filter Change  
On Earth. No Tools, No Mess, No Fuss.

## SNAPP OPTIONS

Black Body  
Coated Steel Bracket



White Body  
Stainless Steel Bracket



## EASY TO INSTALL



SNAPP is installed in the fuel line between tank and engine. In marine applications, for outboard use only.



Snap in a new filter; just squeeze tabs to remove.



Quick-connect couplings speed installation and service.



Only 2.5" clearance for service allows for tight mounting locations.

Specifications	
Maximum Flow Rate	40 gph (151 lph)
Micron Rating	2, 10, or 30 micron
Height	7.8" (198 mm)
Width	3.8" (97 mm) at bracket
Depth	4.1" (104 mm)
Water Sump Capacity	3.4 oz. (100 ml)
Body Material	Nylon 6 plastic
Bracket Material	Coated Steel or Stainless Steel
Port Size	3/8" (9.5 mm)
Quick-Connect Fittings	3/8" (9.5 mm) (per SAE J2044)
Rated Pressure	50 PSI (3.5 bar)
Water Removal Efficiency	99%
Rated Temperature Range	-20° to 150°F (-29° to 66°C)

\*Up to 40 gph for gasoline 2 micron filters.

### SNAPP Fittings



Part #	Description	End Form	Hose Barb	Hose ID	# of Units
RK23319	90° Quick-Connect, 3/8" x 3/8"	3/8" SAE J2044	3/8"	3/8"	2
RK23320	Straight Quick-Connect, 3/8" x 5/16"	3/8" SAE J2044	5/16"	5/16"	2
RK23321	90° Quick-Connect, 3/8" x 5/16"	3/8" SAE J2044	5/16"	5/16"	2

## CREATE A PART NUMBER

Filter Type	Color		Bowl Type		Micron				
	Filter/Bracket/Fittings	Replacement Filter/Priming Tube	Black Body	White Body	Drain	Closed Bowl/No Drain	2 micron	10 micron	30 micron
23	23	1			06		-02	-10	-30
					99	81	-02	-10	-30
R23		1			07		-02	-10	-30
R23		2			98	80	-02	-10	-30

SNAPP First Fit Assembly	SNAPP Replacements
23106-02	R23107-02
23106-10	R23107-10
23106-30	R23107-30
23299-02	R23298-02
23299-10	R23298-10
23299-30	R23298-30
23281-02	R23280-02
23281-10	R23280-10
23281-30	R23280-30

### Example: 23106-02

For a complete list of part numbers and accessories, please see cut sheet RSL0282.

# Worldwide Filtration Manufacturing Locations

## North America

### Compressed Air Treatment

#### Gas Separation & Filtration Division

Airtek/Finite/dornick hunter/Zander  
Lancaster, NY  
716 686 6400  
[www.parker.com/faf](http://www.parker.com/faf)

Balston  
Haverhill, MA  
978 858 0505  
[www.parker.com/balston](http://www.parker.com/balston)

### Engine Filtration

#### Racor

Modesto, CA  
209 521 7860  
[www.parker.com/racor](http://www.parker.com/racor)

Holly Springs, MS  
662 252 2656  
[www.parker.com/racor](http://www.parker.com/racor)

### Hydraulic Filtration

#### Hydraulic & Fuel Filtration

Metamora, OH  
419 644 4311  
[www.parker.com/hydraulicfilter](http://www.parker.com/hydraulicfilter)

Laval, QC Canada  
450 629 9594  
[www.parkerfarr.com](http://www.parkerfarr.com)

Velcon  
Colorado Springs, CO  
719 531 5855  
[www.velcon.com](http://www.velcon.com)

### Process Filtration

#### dornick hunter Process Filtration

SciLog  
Oxnard, CA  
805 604 3400  
[www.parker.com/processfiltration](http://www.parker.com/processfiltration)

### Water Purification

#### Village Marine, Sea Recovery, Horizon Reverse Osmosis

Carson, CA  
310 637 3400  
[www.parker.com/watermakers](http://www.parker.com/watermakers)

## Europe

### Compressed Air Treatment

#### dornick hunter Filtration & Separation

Gateshead, England  
+44 (0) 191 402 9000  
[www.parker.com/dhfn](http://www.parker.com/dhfn)

#### Parker Gas Separations

Etten-Leur, Netherlands  
+31 76 508 5300  
[www.parker.com/dhfn](http://www.parker.com/dhfn)

#### Hiross Zander

Essen, Germany  
+49 2054 9340  
[www.parker.com/hzfd](http://www.parker.com/hzfd)

Padova, Italy  
+39 049 9712 111  
[www.parker.com/hzfd](http://www.parker.com/hzfd)

### Engine Filtration & Water Purification

#### Racor

Dewsbury, England  
+44 (0) 1924 487 000  
[www.parker.com/rfde](http://www.parker.com/rfde)

#### Racor Research & Development

Stuttgart, Germany  
+49 (0)711 7071 290-10

### Hydraulic Filtration

#### Hydraulic Filter

Arnhem, Holland  
+31 26 3760376  
[www.parker.com/hfde](http://www.parker.com/hfde)

Ujala, Finland  
+358 20 753 2500

#### Condition Monitoring Parker Kittiwake

West Sussex, England  
+44 (0) 1903 731 470  
[www.kittiwake.com](http://www.kittiwake.com)

### Process Filtration

#### dornick hunter Process Filtration Parker Twin Filter BV

Birtley, England  
+44 (0) 191 410 5121  
[www.parker.com/processfiltration](http://www.parker.com/processfiltration)

## Asia Pacific

### Australia

Castle Hill, Australia  
+61 2 9634 7777  
[www.parker.com/australia](http://www.parker.com/australia)

### China

Shanghai, China  
+86 21 5031 2525  
[www.parker.com/china](http://www.parker.com/china)

### India

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+91 22 4391 0700  
[www.parker.com/india](http://www.parker.com/india)

### Parker Fowler

Bangalore, India  
+91 80 2783 6794  
[www.johnfowlerindia.com](http://www.johnfowlerindia.com)

### Japan

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+81 45 870 1522  
[www.parker.com/japan](http://www.parker.com/japan)

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+82 31 359 0782  
[www.parker.com/korea](http://www.parker.com/korea)

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Jurong Town, Singapore  
+65 6887 6300  
[www.parker.com/singapore](http://www.parker.com/singapore)

### Thailand

Bangkok, Thailand  
+66 2186 7000  
[www.parker.com/thailand](http://www.parker.com/thailand)

## Latin America

### Parker Comercio Ltda. Filtration Division

Sao Paulo, Brazil  
+55 12 4009 3500  
[www.parker.com/br](http://www.parker.com/br)

### Pan American Division

Miami, FL  
305 470 8800  
[www.parker.com/panam](http://www.parker.com/panam)

## Africa

Aeroporto Kempton Park, South Africa  
+27 11 9610700  
[www.parker.com/africa](http://www.parker.com/africa)

