The best gaskets and o-rings available promise consistent, sure seals.

Die cast aluminum heads with multiple ports make installation as easy as adding options.

Powerful primer pumps are integrated into mounting heads.

Aquabloc II media is corrugated, allowing greater surface area exposure for fuel filtration and an increased dirt-holding capacity.

Polymer bowls are virtually indestructible. They won't discolor from exposure to alcohol, additives or UV light – a see-thru that stays see-thru. A die cast aluminum bowl is available for most models.

Water sensor and vacuum gauges to signal service are valuable options available for most models.

Bowl removal wrench available 22628

Positive seal self-venting drain eliminates leaks and speeds service.

Cost-Effective Visual Inspection

See-thru collection bowls allow a water-in-fuel condition to be immediately visible. Closed spin-on cans waste expensive fuel and labor because it's impossible to check for water without actually opening the drain or removing the can from the mounting head.

Environmentally Friendly

Engineered polymer bowls are reusable, impact-resistant and virtually indestructible. When it's time for service, only the filter element is replaced – the see-thru bowl and drain valve assembly are reused. The long life cycle of the bowl saves money and reduces the environmental impact through disposal of less material. Use metal bowl versions for inspected or commercial vessels.

Easy Upgrades

See-thru bowls provide connection ports for upgrades which enhance engine performance and reliability. Powerful in-bowl heaters can be added to improve operation in colder climates and electronic sensors alert the operator to drain water in the bowl.

Corrosion-Free Construction

Advanced polymer technology means bowls will not deteriorate from water collection, alcohol-blended fuels, exposure to harsh additives or UV light. Unseen water lying in sealed cans causes them to rust and corrode or worse yet, increase in level and pass through.

For marine rated filters see brochure #7501.

DIESEL SPIN-ON SERIES

110A - 120A - 140

Model 120A

Maximum protection in minimum space

The 110A is designed for fuel-injected gasoline engines with high working pressures and also can be used on diesel engines. A metal housing is standard.

Other models in the 100 Series, the 120A and 140, offer reliable protection for smaller diesel and gasoline engines used in generator sets, pressure washers and other equipment. Their compact size fits tight mounting locations and multiple ports offer installation flexibility.

215 - 230 - 245

Model 230

Improved for greater versatility

The 215, 230 and 245 filter/separators come standard with an integral priming pump and a new see-thru contaminant bowl which can operate in applications up to 30 psi. Another design upgrade is the optional 200-watt in-bowl heater for colder operating conditions. Applications include light-duty and medium-duty trucks and vehicles, construction, agricultural and other diesel-powered equipment.

For marine rated filters see brochure #7501.

L O W F L O W						
MODEL	**110A**	**120A**	**140**	**215**	**230**	**245**
Maximum Flow Rate	15 gph / 57 lph Diesel 35 gph / 132 lph Gas	15 gph / 57 lph	15 gph / 57 lph	15 gph / 57 lph	30 gph / 114 lph	45 gph / 170 lph
Gasoline or Diesel [1]	Both	Both	Both	Diesel	Diesel	Diesel
Vacuum Installation	Yes	Yes	Yes	Yes	Yes	Yes
Pressure Installation	Yes	Yes	Yes	Yes	Yes	Yes
Maximum PSI [2]/ kPa	100 psi / 690 kPa	7 psi / 48 kPa	7 psi / 48 kPa	30 psi / 207 kPa	30 psi / 207 kPa	30 psi / 207 kPa
Clean Pressure Drop PSI/kPa	0.15 psi 1.03 kPa	0.15 psi 1.03 kPa	0.01 psi 0.07 kPa	0.12 psi 0.83 kPa	0.31 psi 2.14 kPa	0.61 psi 4.21 kPa
No. of Ports	4	4	2	3	3	3
Port Size	1/4" NPT/ M14 x 1.5	1/4" NPT/ M14 x 1.5	1/4" NPT/ M14 x 1.5	1/4" NPT/ M14 x 1.5	1/4" NPT/ M14 x 1.5	1/4" NPT/ M14 x 1.5
Integral Primer Pump [3]	No	No	No	Yes	Yes	Yes
Replacement Element No. [4]	R11	R12	R12	R15	R20	R25
Bowl/See-Thru	No	Yes	Yes	Yes	Yes	Yes
Bowl/Metal [1]	STD	Yes	Yes	Yes	Yes	Yes
Drain Type	Positive Seal	Positive Seal	Positive Seal	Positive Seal	Positive Seal	Positive Seal
Water Sensor Option [5]	Yes	Yes	Yes	Yes	Yes	Yes
Electric Heater Option [5] (12V/24V)	No	No	No	Yes	Yes	Yes
Height	6" / 152mm	6.5" / 166mm	6" / 152mm	8.3" / 211mm	9" / 229mm	10.5" / 267mm
Width	3.2" / 81mm	3.2" / 81mm	3.2" / 81mm	4" / 102mm	4" / 102mm	4" / 102mm
Depth	3.2" / 81mm	3.2" / 81mm	3.2" / 81mm	4" / 102mm	4" / 102mm	4" / 102mm
Weight	1.3 lbs / 0.59 Kg	1.1 lbs / 0.50 Kg	1.1 lbs / 0.50 Kg	1.8 lbs / 0.80 Kg	2 lbs / 0.90 Kg	2.2 lbs / 1.0 Kg

Notes:
(1) Metal bowls should be used for gasoline installations.
(2) Pressure installations are applicable up to the maximum PSI/kPa shown.
(3) Models with integral primer pumps are not recommended for gasoline applications.
(4) Replacement element micron rating can be specified as “S” for 2 micron, “T” for 10 micron, or “P” for 30 micron, except for R11.
(5) Not for use with gasoline applications.

Model 490

445 - 460 - 490

A powerful, integral primer pump makes service quick and easy

The standard equipment primer pump tops the list of extensive options that allow bus fleets, truck fleets, RV owners and others to tailor a filter/separator system specifically to their operating requirements. These options include a choice of a three micron rating for the Aquabloc filter element, 200-watt in-bowl resistance heater, water sensor and flow rates up to 120 gph.

Model 660

645 - 660 - 690

Maximize engine protection with a low-profile, easy-to-fit filtration system

With all the features of the 400 Series, the 600 Series offers engine owners an economical system for applications where an integral primer pump is not needed. Flow rates up to 120 gph, in-bowl heater and water sensor are all available options.

MEDIUM FLOW						
MODEL	**445**	**460**	**490**	**645**	**660**	**690**
Maximum Flow Rate	45 gph / 170 lph	60 gph / 227 lph	90 gph / 341 lph	45 gph / 170 lph	60 gph / 227 lph	90 gph / 341 lph
Gasoline or Diesel	Diesel	Diesel	Diesel	Both	Both	Both
Vacuum Installation	Yes	Yes	Yes	Yes	Yes	Yes
Pressure Installation	Yes	Yes	Yes	Yes	Yes	Yes
Maximum PSI [1] / kPa	30 psi / 207 kPa	30 psi / 207 kPa	30 psi / 207 kPa	30 psi / 207 kPa	30 psi / 207 kPa	30 psi / 207 kPa
Clean Pressure Drop PSI / kPa	0.17 psi 1.2 kPa	0.39 psi 2.7 kPa	0.95 psi 6.5 kPa	0.01 psi 0.07 kPa	0.05 psi 0.34 kPa	0.29 psi 2.0 kPa
No. of Ports Port Size	4 3/8" NPT / 16mm	4 3/8" NPT / 16mm	4 3/8" NPT / 16mm	7 3/8" NPT / 16mm	7 3/8" NPT / 16mm	7 3/8" NPT / 16mm
Integral Primer Pump [2]	Yes	Yes	Yes	No	No	No
Replacement Element No. [3]	R45	R60	R90	R45	R60	R90
Bowl / See-Thru	Yes	Yes	Yes	Yes	Yes	Yes
Bowl / Metal	No	No	No	No	No	No
Drain Type	Self-Vent	Self-Vent	Self-Vent	Self-Vent	Self-Vent	Self-Vent
Water Sensor Option [4]	Yes	Yes	Yes	Yes	Yes	Yes
Electric Heater Option [4] (12V/24V)	Yes	Yes	Yes	Yes	Yes	Yes
Height	9.3" / 236mm	11" / 279mm	11.8" / 300mm	8.46" / 215mm	10.2" / 259mm	11.2" / 284mm
Width	4.5" / 114mm	4.5" / 114mm	4.5" / 114mm	4.5" / 114mm	4.5" / 114mm	4.5" / 114mm
Depth	4.8" / 121mm	4.8" / 121mm	4.8" / 121mm	4.5" / 114mm	4.5" / 114mm	4.5" / 114mm
Weight	2.5 lbs / 1.1 Kg	2.7 lbs / 1.3 Kg	2.9 lbs / 1.4 Kg	2.35 lbs / 1.07 Kg	2.58 lbs / 1.17 Kg	2.65 lbs / 1.2 Kg

Notes:
(1) Pressure installations are applicable up to the maximum PSI/ kPa shown.
(2) Models with integral primer pumps are not recommended for gasoline applications.
(3) Replacement element micron rating can be specified as “S” for 2 micron, “T” for 10 micron, or “P” for 30 micron.
(4) Not for use with gasoline applications.

4120 - 6120 - 3150 - 3250

High flow applications need not suffer with high maintenance... and Racor offers a range of ultra-high capacity, highly efficient fuel filter/water separators that also deliver spin-on convenience. As you'd expect, Aquabloc II media is standard, and all units provide flexibility in options to customize and meet specific operating conditions.

Racor Quality in One Easy Spin

- High-capacity, on-engine primary or secondary filtration
- Fits most existing mounting heads
- See-thru bowl with water sensor option
- Mounting heads available, contact Racor or your distributor

H I G H F L O W				
MODEL	**4120**	**6120**	**3150**	**3250**
Maximum Flow Rate	120 gph / 454 lph	120 gph / 454 lph	150 gph/ 570 lph	250 gph/ 946 lph
Gasoline or Diesel [1]	Diesel	Both	Diesel	Diesel
Vacuum Installation	Yes	Yes	Yes	Yes
Pressure Installation	Yes	Yes	Yes	Yes
Maximum PSI [2]/kPa	15 psi / 103 kPa	15 psi / 103 kPa	7psi / 50 kPa	7 psi / 50 kPa
Clean Pressure Drop PSI	0.85 psi	0.35 psi	0.68 psi	1 psi
No. of Ports Port Size	4 3/4" SAE / 18mm	7 3/8 NPT	2 0.875" X 14 SAE	2 0.875" X 14 SAE
Integral Primer Pump [3]	Yes	No	No	No
Replacement Element No. [4]	R120	R120	S3238P	S3207P
Bowl / See-Thru	Yes	Yes	Yes	Yes
Bowl / Metal [1]	No	No	Yes	Yes
Drain Type	Self-Vent	Self-Vent	Self-Vent	Self-Vent
Water Sensor Option [5]	Yes	Yes	Yes	Yes
Electric Heater Option [5] (12V/24V)	Yes	Yes	Yes	Yes
Height	15" / 381mm	14.12" / 359mm	13.6" / 345mm	17.25" / 438mm
Width	4.5" / 114mm	4.5" / 114mm	5" / 127mm	5" / 127mm
Depth	4.8" / 121mm	4.5" / 114mm	5.5" / 140mm	5.5" / 140mm
Weight	3.9 lbs / 1.8 Kg	3.9 lbs / 1.8 Kg	3.6 lbs / 1.6 Kg	4.6 lbs / 2.08 Kg

Notes: (1) Metal bowls should be used for gasoline installations.
(2) Pressure installations are applicable up to the maximum PSI/ kPa shown.
(3) Models with integral primer pumps are not recommended for gasoline applications.
(4) Replacement element micron rating can be specified as "S" for 2 micron, "T" for 10 micron, or "P" for 30 micron.
(5) Not for use with gasoline applications.

320 Engine Spin-On Series

Fuel Filter/ Water Separator w/ Reusable See-Thru Bowl	Spin-On Replace-ment Element (only)	Micron Rating		
B32001	S3201	10	10.5"	267 mm
Application: Cummins – 90 gph / Secondary (Final)				
B32002	S3202	30	10.5"	267 mm
Application: DDC – 90 gph / Primary				
B32003	S3203	2	8.63"	219 mm
Applications: Caterpillar – 60 gph / Secondary (Final) IH (Navistar) – 90 gph / Secondary (Final)				
B32004	S3204	30	7.13"	181 mm
Application: IH (Navistar) – 40 gph / Secondary				
B32005	S3205	30	9.75"	248 mm
Application: Mack 90 gph – 90 gph / Primary				
B32006	S3206	2	12"	305 mm
Application: Caterpillar – 90 gph / Secondary (Final)				
B32007	S3207	10	13.5"	343 mm
Application: Cummins – 180 gph / Secondary (Final)				
B32008	S3208	*	7.25"	184 mm
Application: Deutz, Volvo – 30 gph				
B32009	S3209	*	8.63"	219 mm
Application: Mann, DAF – 60 gph				
B32011	S3211	10	8.63"	219 mm
Application: Cummins Short – 90 gph/Secondary (Final)				
B32012	S3212	30	7.13"	181 mm
Application: DDC – 90 gph / 8.2L Primary				
B32016	S3216	*	5.85"	149 mm
Application: Deutz, Volvo Short – 20 gph				

* Available in 2, 10 or 30 micron.