

Please specify carefully—there are important differences among Spin-On Series features which effect performance and application.



	CLEAR BOWL	N/A	120A	230	245	460	490	4120	3150R	3250R
	METAL BOWL	110A	120RMAM	230RMAM	245RMAM	460MAM	490MAM	4120MAM	N/A	N/A
Maximum flow Rate		15 gph / 57 lph DIESEL 35 gph / 133 lph GAS	15 gph / 57 lph	30 gph / 114 lph	45 gph / 170 lph	60 gph / 227 lph	90 gph / 341 lph	120 gph / 454 lph	150 gph 568 lph	250 gph 946 lph
Gasoline or Diesel ¹		Both	Both	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
Vacuum Installation		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pressure Installation		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Maximum PSI ²		100 PSI / 690 kPa	7 PSI / 48 kPa	30 PSI / 207 kPa	30 PSI / 207 kPa	30 PSI / 207 kPa	30 PSI / 207 kPa	15 PSI / 103 kPa	7 PSI / 48 kPa	7 PSI / 48 kPa
Clean Pressure Drop		0.15 PSI 1.08 kPa	0.15 PSI 1.08 kPa	0.31 PSI 2.14 kPa	0.61 PSI 4.21 kPa	0.39 PSI 2.7 kPa	0.95 PSI 6.5 kPa	.85 PSI 5.9 kPa	.68 PSI 4.7 kPa	1.0 PSI 6.9 kPa
Port Size		1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	3/8" NPT	3/8" NPT	3/4" SAE	7/8"-14 SAE	7/8"-14 SAE
Integral Primer Pump ³		No	No	Yes	Yes	Yes	Yes	Yes	No	No
Replacement Element No. ⁴		R11 T	R12 ⁴	R20 ⁴	R25 ⁴	R60 ⁴	R90 ⁴	R120 ⁴	S3238 ⁵	S3207 ⁵
MAM Element ¹		R11T	R12SUL	R20TUL	R25TUL	S3211TUL	S3201TUL	S3201TUL	N/A	N/A
No. of Ports		4	4	3	3	4	4	4	2	2
Drain Type		Positive Seal	Positive Seal	Positive Seal	Positive Seal	Positive Seal	Positive Seal	Positive Seal	Positive Seal	Positive Seal
Water Sensor Option		No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Height		6" / 152 mm	6.5" / 165 mm	9" / 229 mm	10.5" / 267 mm	11" / 279 mm	11.8" / 300 mm	15" / 381 mm	13.63" / 346 mm	17.25" / 438 mm
Width		3.2" / 81 mm	3.2" / 81 mm	4" / 102 mm	4" / 102 mm	4.5" / 114 mm	4.5" / 114 mm	4.5" / 114 mm	5.00" / 127 mm	5.00" / 127 mm
Depth		3.2" / 81 mm	3.2" / 81 mm	4" / 102 mm	4" / 102 mm	4.8" / 121 mm	4.8" / 121 mm	4.8" / 121 mm	5.5" / 140 mm	5.5" / 140 mm
Weight		1.3 lbs / 0.59 kg	1.3 lbs / 0.59 kg	2 lbs / 0.90 kg	2.2 lbs / 1.0 kg	2.7 lbs / 1.3 kg	2.9 lbs / 1.4 kg	3.9 lbs / 1.8 kg	3.6 lbs / 1.63 kg	4.6 lbs / 2.08 kg

(1) Use 110A and MAM versions for inspected or commercial vessels.
(2) Pressure installations are applicable up to the maximum PSI 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 as a suffix.
(5) Ten micron only.



Basic Models	120R-RAC-01	120R-RAC-02	320R-RAC-01	320R-RAC-02	660-RAC-01	660-RAC-02	3120R-RAC-32
Maximum Flow Rate	30 gph / 114 lph	30 gph / 114 lph	60 gph / 340 lph	60 gph / 340 lph	90 gph / 454 lph	90 gph / 227 lph	120 gph / 227 lph
Filter Element No.	S3240	S3240UL	S3227	S3228UL	S3232	S3232UL	S3232UL
Center Threads	M18 x 1.5	M18 x 1.5	1-14	1-14	1-14	1-14	1-14
Head Port Size	1/4-18NPTF	1/4-18NPTF	1/4-18NPTF	1/4-18NPTF	3/8-18NPTF	3/8-18NPTF	1/2-14NPTF(1)
Height	6.5" / 166 mm	6.0" / 153 mm	9.38" / 238 mm	9.38" / 238 mm	11.00" / 280 mm	11.00" / 280 mm	10.38" / 264 mm
Width	3.2" / 81 mm	3.2" / 81 mm	4" / 102 mm	4" / 102 mm	4.2" / 106 mm	4.2" / 106 mm	4" / 102 mm
Depth	3.2" / 81 mm	3.2" / 81 mm	4" / 102 mm	4" / 102 mm	4.5" / 114 mm	4.5" / 114 mm	5" / 127 mm
Weight (dry)	1.1 lbs / .05 kgs	1.2 lbs. / .06 kgs	2 lbs / 0.90 kgs	2 lbs / 0.90 kgs	3 lbs / 1.4 kgs	3 lbs / 1.4 kgs	2 lbs / 0.90 kgs
Clean Pressure Drop	0.15 PSI / 1.03 kPa	0.15 PSI / 1.03 kPa	0.61 PSI / 4.23 kPa	0.61 PSI / 4.23 kPa	0.61 PSI / 4.23 kPa	0.61 PSI / 4.23 kPa	0.15 PSI / 1.03 kPa
Max Pressure	7 PSI / 48 kPa	7 PSI / 48 kPa	7 PSI / 48 kPa	7 PSI / 48 kPa	7 PSI / 48 kPa	7 PSI / 48 kPa	7 PSI / 48 kPa
Element Removal / Underbowl	1" / 25.4mm	1" / 25.4mm	1" / 25.4mm	1" / 25.4mm	1" / 25.4mm	1" / 25.4mm	1" / 25.4mm
Operating Temp.	-40° / +255° F / -40° / +124° C						

(1) Pressure installations are applicable up to the maximum PSI shown.

Racor filter/separators will not separate oil from gasoline in blended fuel mixtures.