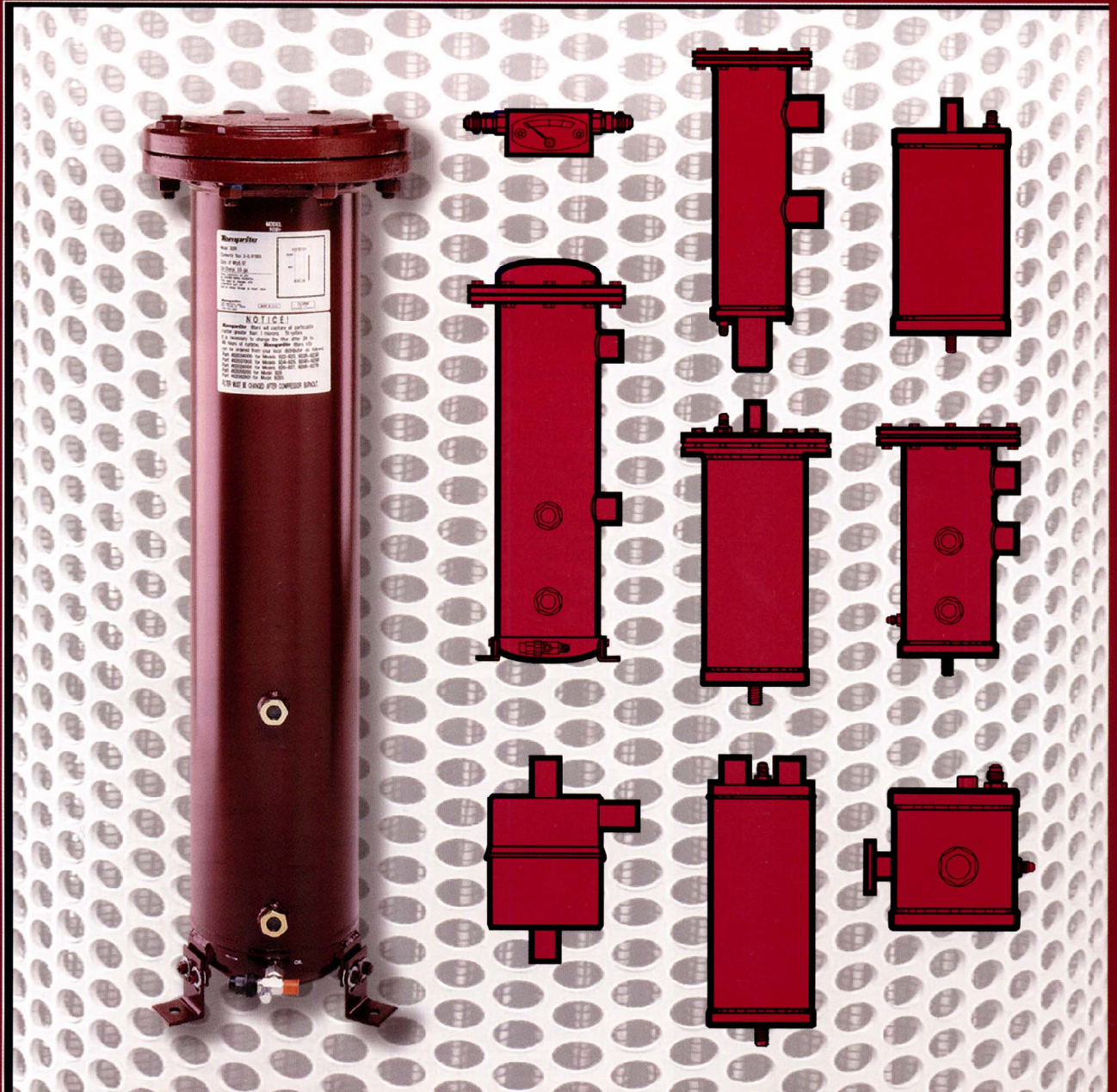


Temprite

The most respected name in oil management systems



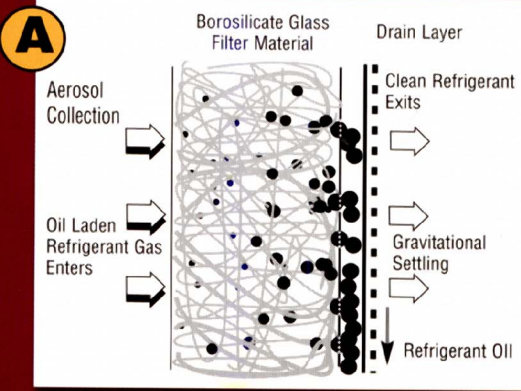
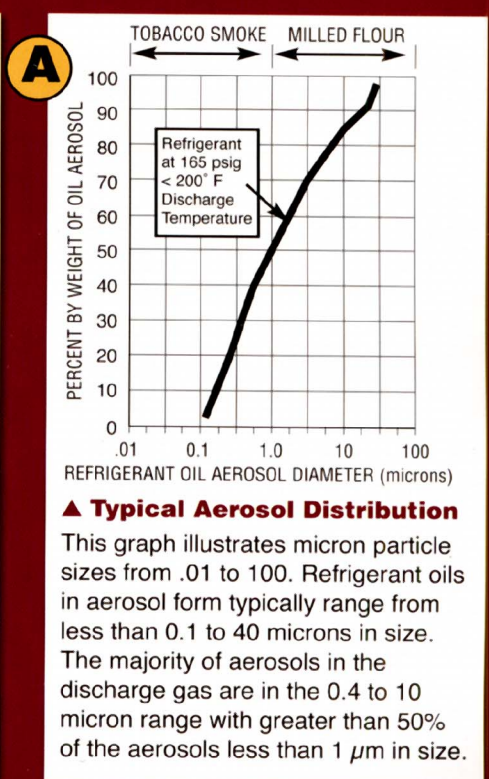
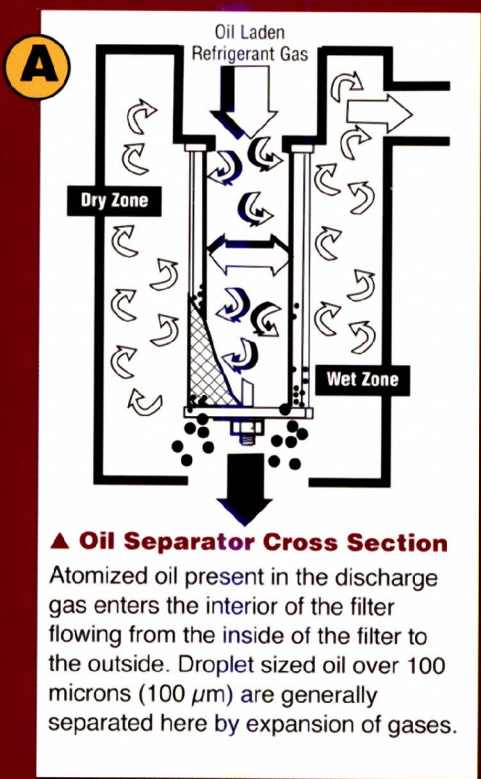
Temprite

1555 Hawthorne Lane
West Chicago, Illinois 60185 USA
1-800-552-9300
FAX (630) 293-9594

www.Temprite.com

We, at Temprite, have one goal in mind when we conceptualize our products; to design and manufacture the most efficient refrigeration components available, worldwide. We realize that with refrigeration design, the sum of the components equals the overall efficiency of the system. When you call out Temprite products, you can feel confident that you're specifying an engineered product designed to enhance the performance of the total system.

Q Why Coalescent Oil Separators?



A **▼ Micronic Order of Magnitude**
Coalescent matrix filters are able to capture solid contaminants above .3 μm and aerosols in liquid form to .001 μm . Conventional, centrifugal and impingement screen separators only work to 100 μm missing approximately 50% of the aerosols in the mass flow.

Beach Sand 1000 μm .	Human Hair 100 μm .	Pollens 10 μm .	Tobacco Smoke 1 μm .	Oil Smoke .1 μm .	.01 μm
Settling Chambers/Separators					
Conventional/Centrifugal/Impingement Separators					
Electro Mechanical Separators					
Coalescing Separators					

Temprite

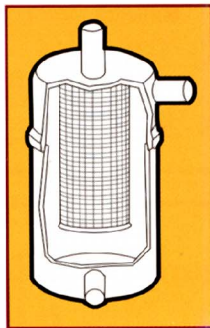
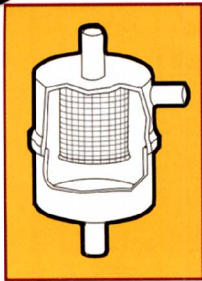
The Temprite Product Line

The Temprite 320 and 340 Series are the first oil separators designed for refrigerant recovery/reclaim systems.

Based on our robust 900 Series, the 320 and 340 Series units are 99.995% efficient in removing particulate between 0.3 and 0.6 microns and separation oil from the mass flow.

The elimination of the float-ball and the internal oil reservoir maximizes efficiency by minimizing oil carryover. It also has the advantage of being

one of the smallest oil separators available for its capacity. Metering the oil return back to the compressor may be done by a variety of methods including capillary tube, a metered orifice or a timed solenoid. Use the actual tonnage CFM to correctly size the 320 or 340 Series for your application.

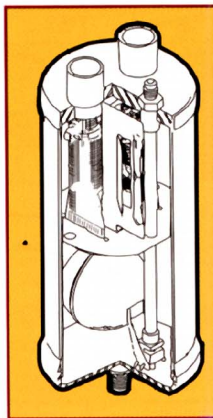
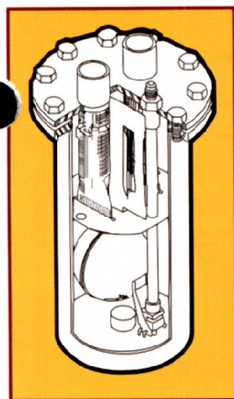


The 500 and 600 Series are impingement screen type oil separators. They work by having the compressed

mass flow enter into a larger separator chamber which lowers the velocity. The atomized oil droplets collect on the impingement screen surface.

As the oil droplets agglomerate, they fall to the bottom of the separator oil reservoir. The 600 Series is designed

for OEM applications where accessibility of the 500 Series is not required.



The Temprite 900 and 920 Series is unquestionably *the* standard in modern oil separation by virtue of their exceptional performance range. Unlike centrifugal or impingement screen separators, which have virtually the same performance characteristics, the 900 and 920 Series separators are not dependent upon velocity for efficiency. So, when the load drops off, the separator keeps working at 99% efficiency.

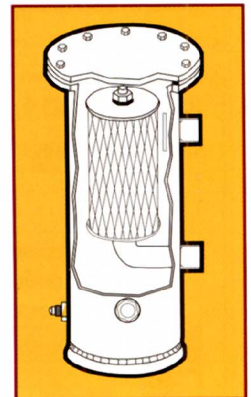
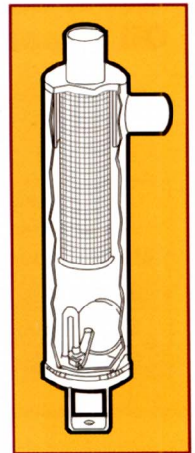
The reason the 900 and 920 Series oil separators work so well is because they employ a borosilicate coalescent filter-separator to do the work impingement screens formerly did. These exceptionally pure, extremely fine glass fiber matrices force the oil molecules to collide into one another, agglomerating until they fall to the bottom of the separator. Because this filter is finer than a filter/drier, it will pick up any and all solid contaminants

and dirt circulating in the system to 0.3 microns. Remember, the filter is also doing the separating. Normally, on short self contained applications the amount of solid contaminants is small, but on large parallel rack/pack/multiplexed systems, system cleanliness can be a problem. This is why Temprite developed the 920 Series accessible coalescent oil separators. In the first 24 to 48 hours of operation, the filter-separator cleans the system of all solid contaminants larger than 0.3 microns. The filter-separator is then changed and a new filter-separator does the job of separating and balancing out the system. The Temprite 900 Series is designed for OEM applications where cleanliness specifications may be audited.

However, if the filter-separator becomes over-loaded with solid contaminants and dirt, it will not function at its optimum performance level. This is why we have introduced the **Temprite Pressure Differential Indicator**. It tells you when the filter-separator is becoming dirt logged. Just check the pressure differential across the filter and you'll know whether or not the filter needs changing. The PDI may also be wired to an alarm to warn you electronically. In the event of a compressor burn-out, the carbon and solid contaminants will be localized at the separator. You may also install a Temprite 920 Series on a system that has had a burn out to facilitate clean up. Just put in a **Temprite Clean-Up Filter** to purge the system of unwanted contaminants. If used in conjunction with a standard filter-separator, you can return the oil to near virgin state.

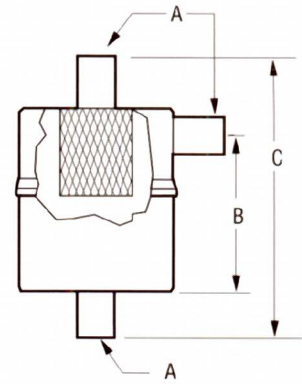
The 900 and 920 Series also enhance the performance of other components by eliminating solid contaminants and oil from the system. Thermostatic Expansion Valves work better because they're dirt free-oil free. Desiccant in filter dryers are more effective when they're not logged with oil thus enhancing the entire system's performance.

Finally, the Temprite 920 Series Oil Separators have been proven, in independent third-party tests, to be more efficient than any other oil separator commercially available. This efficiency means better heat transfer through the coils translating into significant kW savings for the end user. For a copy of the Emerson Climate Technologies report to see how much money your chain could save, contact Temprite at temprite@temprite.com or 630-293-5910.



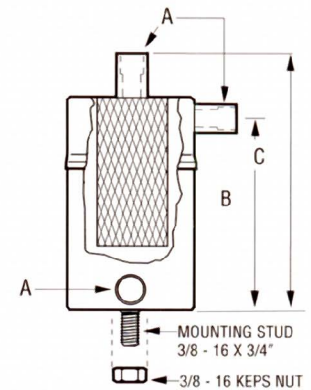
Model 320, 321, 322
Oil Separator - Hermetic Coalescent

Model	Maximum Working Pressure	Oil Connector Size	Diameter	"A" Dimension	"B" Dimension	"C" Dimension
320	500 PSIG	3/8" ODS	2 1/2"	3/8" ODS	2 1/16"	4 1/4"
321	500 PSIG	1/8" FPT	2 1/2"	1/8" FPT	2 1/16"	3 1/2"
322	500 PSIG	1/4" SAE	2 1/2"	1/4" SAE	2 1/16"	4"



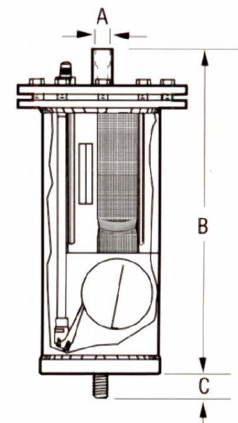
Model 340, 341, 342, 343
Oil Separator - Hermetic Coalescent

Model	Maximum Working Pressure	Oil Connector Size	Diameter	"A" Dimension	"B" Dimension	"C" Dimension
340	500 PSIG	3/8" ODS	2 1/2"	3/8" ODS	3 9/16"	4 7/8"
341	500 PSIG	1/8" FPT	2 1/2"	1/8" FPT	3 9/16"	4 1/2"
342	500 PSIG	1/4" SAE	2 1/2"	1/4" SAE	3 9/16"	4 3/4"



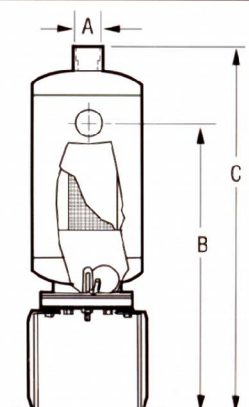
Model 501, 502, 503, 504, 505
Oil Separator - Accessible Impingement

Model	Maximum Working Pressure	Oil Connector Size	Diameter	"A" Dimension	"B" Dimension	"C" Dimension	Oil Charge Amount	
501	450 PSIG	1/4" SAE	4"	1/2" ODS	10 1/4"	3/4"	16 oz	475 ml
502	450 PSIG	1/4" SAE	4"	5/8" ODS	12 7/8"	3/4"	16 oz	475 ml
503	450 PSIG	1/4" SAE	4"	7/8" ODS	14 5/8"	3/4"	16 oz	475 ml
504	450 PSIG	1/4" SAE	4"	1 1/8" ODS	15 1/2"	3/4"	16 oz	475 ml
505	450 PSIG	1/4" SAE	4"	1 3/8" ODS	18 7/8"	3/4"	16 oz	475 ml



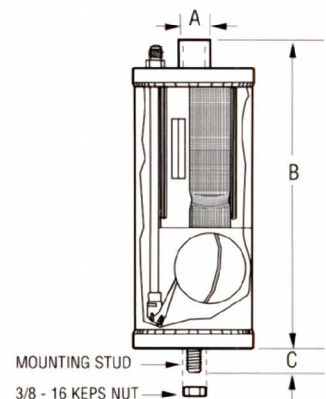
Model 506, 507
Oil Separator - Accessible Impingement

Model	Maximum Working Pressure	Oil Connector Size	Diameter	"A" Dimension	"B" Dimension	"C" Dimension	Oil Charge Amount	
506	450 PSIG	1/4" SAE	6"	1 5/8" ODS	15 1/4"	20 1/4"	20 oz	590 ml
507	450 PSIG	1/4" SAE	6"	2 1/8" ODS	16 1/4"	21 1/2"	20 oz	590 ml



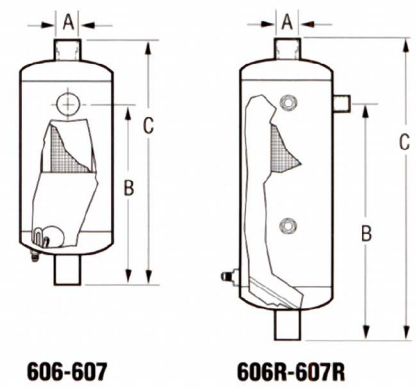
Model 600, 601, 602, 603, 604, 605
Oil Separator – Hermetic Impingement

Model	Maximum Working Pressure	Oil Connector Size	Diameter	"A" Dimension	"B" Dimension	"C" Dimension	Oil Charge Amount	
600	450 PSIG	1/4" SAE	4"	3/8" ODS	8 1/8"	3/4"	15 oz	445 ml
601	450 PSIG	1/4" SAE	4"	1/2" ODS	10 1/4"	3/4"	12 oz	355 ml
602	450 PSIG	1/4" SAE	4"	5/8" ODS	12 7/8"	3/4"	12 oz	355 ml
603	450 PSIG	1/4" SAE	4"	7/8" ODS	14 5/8"	3/4"	12 oz	355 ml
604	450 PSIG	1/4" SAE	4"	1 1/8" ODS	15 1/2"	3/4"	12 oz	355 ml
605	450 PSIG	1/4" SAE	4"	1 3/8" ODS	18 7/8"	3/4"	12 oz	355 ml



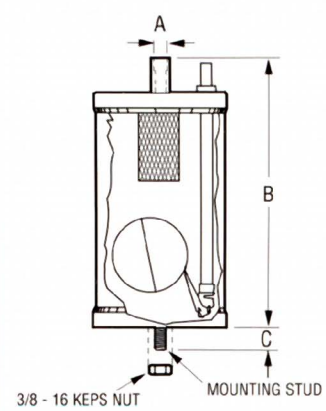
Model 606, 607
Oil Separator – Hermetic Impingement
Model 606R, 607R (No Float)

Model	Maximum Working Pressure	Oil Connector Size	Dia.	Dimension			Oil Charge Amount	
				"A"	"B"	"C"		
606	450 PSIG	3/8" SAE	6"	1 5/8" ODS	13 1/2"	18 3/8"	29 oz	850 ml
607	450 PSIG	3/8" SAE	6"	2 1/8" ODS	14 1/2"	19 3/8"	29 oz	850 ml
606R	450 PSIG	3/8" SAE	6"	1 5/8" ODS	18 1/2"	23 3/8"	128 oz	3.78 lit
607R	450 PSIG	3/8" SAE	6"	2 1/8" ODS	19 1/2"	24 3/8"	128 oz	3.78 lit



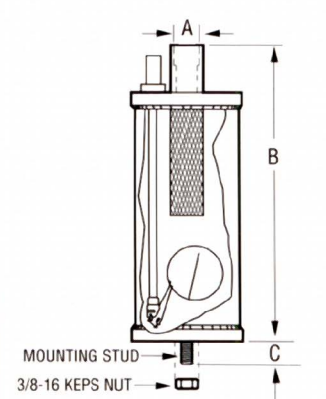
Model 900, 900-1, 901
Oil Separator – Hermetic Coalescent

Model	Maximum Working Pressure	Oil Connector Size	Diameter	"A" Dimension	"B" Dimension	"C" Dimension	Oil Charge Amount	
900	450 PSIG	1/4" ODS	4"	3/8" ODS	8 1/4"	3/4"	15 oz	445 ml
900-1	450 PSIG	1/4" 90° ODS	4"	3/8" ODS	8 1/4"	3/4"	15 oz	445 ml
901	450 PSIG	1/4" ODS	4"	1/2" ODS	8 3/8"	3/4"	15 oz	445 ml



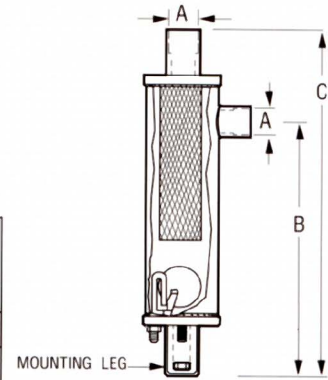
Model 902, 903
Oil Separator – Hermetic Coalescent

Model	Maximum Working Pressure	Oil Connector Size	Diameter	"A" Dimension	"B" Dimension	"C" Dimension	Oil Charge Amount	
902	450 PSIG	1/4" ODS	4"	5/8" ODS	10 9/16"	3/4"	15 oz	445 ml
903	450 PSIG	1/4" ODS	4"	7/8" ODS	10 7/8"	3/4"	15 oz	445 ml



Model 904, 905
Oil Separator – Hermetic Coalescent

Model	Maximum Working Pressure	Oil Connector Size	Diameter	"A" Dimension	"B" Dimension	"C" Dimension	Oil Charge Amount	
904	450 PSIG	1/4" ODS	4"	1 1/8" ODS	15 1/8"	18 3/8"	16 oz	475 ml
905	450 PSIG	1/4" ODS	4"	1 3/8" ODS	15 1/8"	18 3/8"	16 oz	475 ml

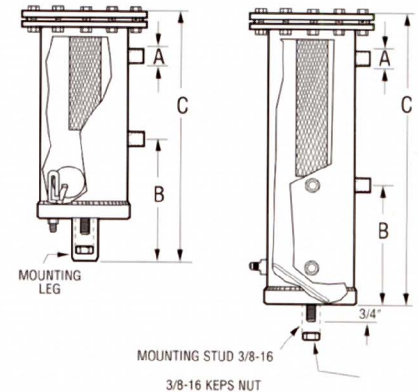


920 Series

Model 922, 923
Oil Separator – Accessible Coalescent
Model 922R, 923R
Oil Separator/Reservoir – Accessible Coalescent

Model	Maximum Working Pressure	Oil Connector Size	Dia.	"A" Dimension	"B" Dimension	"C" Dimension	Oil Charge Amount	
922	450 PSIG	1/4" SAE	4"	5/8" ODS	9 3/8"	17 1/4"	15 oz	445 ml
923	450 PSIG	1/4" SAE	4"	7/8" ODS	9 3/8"	17 1/4"	15 oz	445 ml
922R	450 PSIG	1/4" SAE	4"	5/8" ODS	11 5/8"	19 1/2"	77 oz	2.27 lit.
923R	450 PSIG	1/4" SAE	4"	7/8" ODS	11 5/8"	19 1/2"	77 oz	2.27 lit.

Replacement Filter Kit	Standard	Clean-Up
Product No.	62034000	62024000



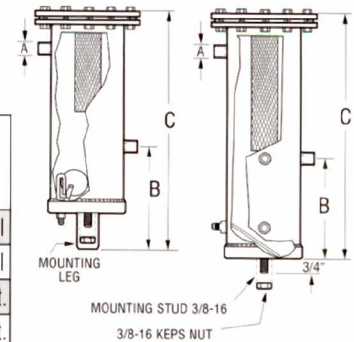
922-923

922R-923R

Model 924, 925
Oil Separator – Accessible Coalescent
Model 924R, 925R
Oil Separator/Reservoir – Accessible Coalescent

Model	Maximum Working Pressure	Oil Connector Size	Diameter	"A" Dimension	"B" Dimension	"C" Dimension	Oil Charge Amount	
924	450 PSIG	1/4" SAE	4"	1 1/8" ODS	9 3/8"	21 5/8"	16 oz	475 ml
925	450 PSIG	1/4" SAE	4"	1 3/8" ODS	9 3/8"	21 5/8"	16 oz	475 ml
924R	450 PSIG	1/4" SAE	4"	1 1/8" ODS	16 3/8"	28 5/8"	109 oz	3.22 lit.
925R	450 PSIG	1/4" SAE	4"	1 3/8" ODS	16 3/8"	28 5/8"	109 oz	3.22 lit.

Replacement Filter Kit	Standard	Clean-Up
Product No.	62037000	62047000



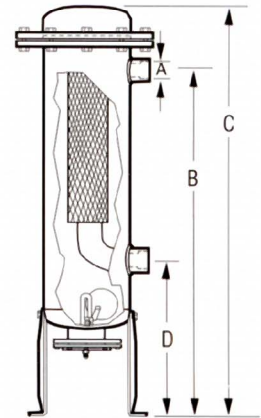
924-925

924R-925R

Model 926, 927
Oil Separator – Accessible Coalescent

Model	Maximum Working Pressure	Oil Connector Size	Diameter	"A" Dimension	"B" Dimension	"C" Dimension	"D" Dimension	Oil Charge Amount	
926	450 PSIG	3/8" SAE	6"	1 5/8" ODS	29"	35"	12"	34 oz	1 Lit
927	450 PSIG	3/8" SAE	6"	2 1/8" ODS	29"	35"	12"	34 oz	1 Lit

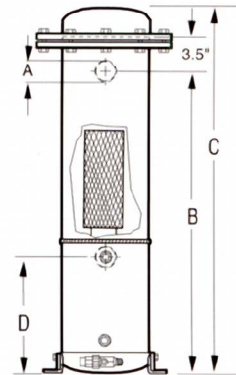
Replacement Filter Kit	Standard	Clean-Up
Product No.	62028000	62030000



Model 926R, 927R
Oil Separator/Reservoir – Accessible Coalescent

Model	Maximum Working Pressure	Oil Connector Size	Diameter	"A" Dimension	"B" Dimension	"C" Dimension	"D" Dimension	Oil Charge Amount	
926R	450 PSIG	3/8" SAE	6"	1 5/8" ODS	33 7/8"	39 3/8"	16 5/8"	1.8 Gal	6.7 Lit
927R	450 PSIG	3/8" SAE	6"	2 1/8" ODS	33 7/8"	39 3/8"	16 5/8"	1.8 Gal	6.7 Lit

Replacement Filter Kit	Standard	Clean-Up
Product No.	62028000	62030000



Model 928
Oil Separator – Accessible Coalescent
Model 928R
Oil Separator/Reservoir – Accessible Coalescent

Model	Maximum Working Pressure	Oil Connector Size	Dia.	Dimensions				Oil Charge Amount	
				"A"	"B"	"C"	"D"		
928	450 PSIG	3/8" SAE	8 5/8"	2 5/8" ODS	33 5/8"	40 1/4"	12"	34 oz.	1.00 Lit
928R	450 PSIG	3/8" SAE	8 5/8"	2 5/8" ODS	32 3/8"	39"	11 1/2"	2.0 Gal	7.55 Lit

Replacement Filter Kit	Standard	Clean-Up
Product No.	62051000	62092802

