

Oil controls

DCFM charge calculations

How to calculate DCFM charge

Example:

System	Evaporator temperature	Condensing temperature
9.5 tons, R-404A	25°F	115°F

In the table for R-404A, search for the value corresponding to the temperatures of evaporation and condensation. This is the DCFM/ton factor. At 25°F evaporator temperature and 115°F condensing temperature, the DCFM/ton is .618. Multiply this by the system tonnage. Use the resulting value to select the proper oil separator. DCFM values can be found on the oil separator catalog pages. Select an oil separator with a capacity greater than or equal to the value obtained.

Note: The connection of the separator must never be less than the diameter of the discharge line.

R-22										
		Oil separator DCFM/Ton factor								
		Condensing temperature (°F)								
		130	125	120	115	110	105	100	95	90
Evaporating temperature (°F)	-40	0.633	0.659	0.687	0.717	0.750	0.786	0.824	0.865	0.910
	-35	0.626	0.652	0.680	0.710	0.743	0.778	0.816	0.857	0.902
	-30	0.619	0.645	0.673	0.704	0.736	0.771	0.809	0.850	0.894
	-25	0.613	0.639	0.667	0.697	0.729	0.764	0.802	0.843	0.887
	-20	0.607	0.633	0.660	0.690	0.723	0.758	0.795	0.836	0.880
	-15	0.601	0.626	0.654	0.684	0.716	0.751	0.788	0.829	0.873
	-10	0.595	0.621	0.648	0.678	0.710	0.745	0.782	0.822	0.866
	-5	0.589	0.615	0.642	0.672	0.704	0.739	0.776	0.816	0.859
	0	0.584	0.609	0.637	0.666	0.698	0.733	0.770	0.809	0.853
	5	0.578	0.604	0.631	0.661	0.693	0.727	0.764	0.803	0.846
	10	0.573	0.599	0.626	0.656	0.687	0.721	0.758	0.797	0.840
	15	0.568	0.594	0.621	0.650	0.682	0.716	0.752	0.792	0.834
	20	0.564	0.589	0.616	0.645	0.677	0.710	0.747	0.786	0.828
	25	0.559	0.584	0.611	0.640	0.672	0.705	0.742	0.781	0.823
	30	0.555	0.580	0.607	0.636	0.667	0.700	0.736	0.775	0.817
	35	0.550	0.575	0.602	0.631	0.662	0.696	0.732	0.770	0.812
	40	0.546	0.571	0.598	0.627	0.658	0.691	0.727	0.765	0.807
	45	0.542	0.567	0.594	0.623	0.653	0.687	0.722	0.761	0.802

R-404A										
		Oil separator DCFM/Ton factor								
		Condensing temperature (°F)								
		130	125	120	115	110	105	100	95	90
Evaporating temperature (°F)	-40	0.751	0.759	0.771	0.787	0.807	0.830	0.856	0.885	0.918
	-35	0.731	0.740	0.753	0.770	0.790	0.814	0.840	0.870	0.903
	-30	0.712	0.722	0.736	0.754	0.775	0.798	0.825	0.855	0.888
	-25	0.694	0.705	0.720	0.738	0.760	0.784	0.811	0.841	0.874
	-20	0.677	0.689	0.705	0.724	0.745	0.770	0.797	0.827	0.860
	-15	0.661	0.674	0.691	0.710	0.731	0.756	0.783	0.814	0.847
	-10	0.646	0.660	0.677	0.696	0.718	0.743	0.771	0.801	0.834
	-5	0.632	0.646	0.664	0.683	0.706	0.731	0.758	0.789	0.822
	0	0.618	0.633	0.651	0.671	0.694	0.719	0.747	0.777	0.810
	5	0.605	0.621	0.639	0.659	0.682	0.708	0.735	0.766	0.799
	10	0.593	0.609	0.628	0.648	0.671	0.697	0.725	0.755	0.788
	15	0.581	0.598	0.617	0.638	0.661	0.686	0.714	0.745	0.778
	20	0.570	0.587	0.606	0.628	0.651	0.676	0.704	0.735	0.768
	25	0.560	0.577	0.596	0.618	0.641	0.667	0.695	0.725	0.758
	30	0.550	0.568	0.587	0.609	0.632	0.658	0.686	0.716	0.749
	35	0.540	0.558	0.578	0.600	0.623	0.649	0.677	0.707	0.740
	40	0.532	0.550	0.570	0.591	0.615	0.641	0.669	0.699	0.732
	45	0.523	0.542	0.562	0.583	0.607	0.633	0.661	0.691	0.723

R-407C										
		Oil separator DCFM/Ton factor								
		Condensing temperature (°F)								
		130	125	120	115	110	105	100	95	90
Evaporating temperature (°F)	-40	0.669	0.695	0.722	0.753	0.786	0.822	0.862	0.905	0.952
	-35	0.659	0.684	0.712	0.743	0.776	0.812	0.851	0.894	0.941
	-30	0.649	0.674	0.702	0.733	0.766	0.802	0.841	0.884	0.930
	-25	0.640	0.665	0.693	0.723	0.756	0.792	0.831	0.874	0.920
	-20	0.630	0.656	0.684	0.714	0.747	0.782	0.821	0.864	0.910
	-15	0.621	0.647	0.675	0.705	0.738	0.773	0.812	0.854	0.900
	-10	0.613	0.638	0.666	0.696	0.729	0.764	0.803	0.845	0.891
	-5	0.605	0.630	0.658	0.688	0.720	0.756	0.794	0.836	0.882
	0	0.597	0.622	0.650	0.680	0.712	0.748	0.786	0.828	0.873
	5	0.589	0.614	0.642	0.672	0.704	0.740	0.778	0.819	0.864
	10	0.582	0.607	0.635	0.664	0.697	0.732	0.770	0.811	0.856
	15	0.575	0.600	0.627	0.657	0.689	0.724	0.762	0.803	0.848
	20	0.568	0.593	0.620	0.650	0.682	0.717	0.755	0.796	0.840
	25	0.561	0.586	0.614	0.643	0.675	0.710	0.748	0.788	0.833
	30	0.555	0.580	0.607	0.637	0.669	0.703	0.741	0.781	0.825
	35	0.549	0.574	0.601	0.631	0.662	0.697	0.734	0.774	0.818
	40	0.543	0.568	0.595	0.625	0.656	0.691	0.728	0.768	0.812
	45	0.537	0.563	0.590	0.619	0.650	0.685	0.722	0.762	0.805

R-448A										
		Oil separator DCFM/Ton factor								
		Condensing temperature (°F)								
		130	125	120	115	110	105	100	95	90
Evaporating temperature (°F)	-40	0.662	0.684	0.709	0.736	0.766	0.799	0.835	0.875	0.917
	-35	0.651	0.673	0.698	0.725	0.756	0.788	0.824	0.863	0.906
	-30	0.640	0.663	0.688	0.715	0.745	0.778	0.814	0.853	0.895
	-25	0.630	0.652	0.677	0.705	0.735	0.768	0.803	0.842	0.885
	-20	0.620	0.642	0.668	0.695	0.725	0.758	0.793	0.832	0.874
	-15	0.610	0.633	0.658	0.686	0.716	0.748	0.784	0.822	0.864
	-10	0.601	0.624	0.649	0.677	0.706	0.739	0.774	0.813	0.855
	-5	0.592	0.615	0.640	0.668	0.698	0.730	0.765	0.804	0.845
	0	0.583	0.607	0.632	0.659	0.689	0.722	0.757	0.795	0.836
	5	0.575	0.599	0.624	0.651	0.681	0.713	0.748	0.786	0.828
	10	0.568	0.591	0.616	0.643	0.673	0.705	0.740	0.778	0.819
	15	0.560	0.583	0.609	0.636	0.666	0.698	0.732	0.770	0.811
	20	0.553	0.576	0.601	0.629	0.658	0.690	0.725	0.762	0.803
	25	0.546	0.569	0.594	0.622	0.651	0.683	0.718	0.755	0.796
	30	0.539	0.563	0.588	0.615	0.644	0.676	0.711	0.748	0.788
	35	0.533	0.556	0.581	0.609	0.638	0.670	0.704	0.741	0.781
	40	0.527	0.550	0.575	0.602	0.632	0.663	0.697	0.734	0.774
	45	0.521	0.544	0.569	0.596	0.626	0.657	0.691	0.728	0.768

R-507A										
		Oil separator DCFM/Ton factor								
		Condensing temperature (°F)								
		130	125	120	115	110	105	100	95	90
Evaporating temperature (°F)	-40	0.747	0.753	0.763	0.777	0.795	0.816	0.841	0.869	0.900
	-35	0.726	0.733	0.745	0.760	0.778	0.800	0.825	0.853	0.884
	-30	0.707	0.715	0.727	0.743	0.762	0.784	0.810	0.838	0.869
	-25	0.688	0.698	0.711	0.727	0.747	0.770	0.795	0.824	0.855
	-20	0.671	0.681	0.695	0.712	0.733	0.755	0.781	0.810	0.841
	-15	0.654	0.666	0.680	0.698	0.719	0.742	0.768	0.797	0.828
	-10	0.638	0.651	0.666	0.685	0.705	0.729	0.755	0.784	0.816
	-5	0.624	0.637	0.653	0.672	0.693	0.716	0.743	0.772	0.803
	0	0.610	0.624	0.640	0.659	0.681	0.705	0.731	0.760	0.792
	5	0.596	0.611	0.628	0.647	0.669	0.693	0.720	0.749	0.780
	10	0.584	0.599	0.617	0.636	0.658	0.682	0.709	0.738	0.770
	15	0.572	0.588	0.606	0.625	0.647	0.672	0.698	0.727	0.759
	20	0.561	0.577	0.595	0.615	0.637	0.662	0.688	0.718	0.749
	25	0.550	0.567	0.585	0.605	0.628	0.652	0.679	0.708	0.740
	30	0.540	0.557	0.576	0.596	0.619	0.643	0.670	0.699	0.731
	35	0.531	0.548	0.567	0.587	0.610	0.634	0.661	0.690	0.722
	40	0.528	0.545	0.564	0.585	0.607	0.632	0.659	0.688	0.719
	45	0.513	0.531	0.550	0.571	0.594	0.618	0.645	0.674	0.705

R-410A										
		Oil separator DCFM/Ton factor								
		Condensing temperature (°F)								
		130	125	120	115	110	105	100	95	90
Evaporating temperature (°F)	-40	0.397	0.415	0.433	0.453	0.475	0.498	0.523	0.549	0.578
	-35	0.392	0.410	0.429	0.449	0.470	0.493	0.518	0.544	0.573
	-30	0.388	0.405	0.424	0.444	0.465	0.488	0.513	0.539	0.568
	-25	0.383	0.401	0.419	0.439	0.461	0.484	0.508	0.535	0.563
	-20	0.379	0.397	0.415	0.435	0.456	0.479	0.504	0.530	0.559
	-15	0.375	0.392	0.411	0.431	0.452	0.475	0.500	0.526	0.554
	-10	0.371	0.388	0.407	0.427	0.448	0.471	0.495	0.522	0.550
	-5	0.367	0.385	0.403	0.423	0.444	0.467	0.491	0.518	0.546
	0	0.364	0.381	0.400	0.420	0.441	0.463	0.488	0.514	0.542
	5	0.360	0.378	0.396	0.416	0.437	0.460	0.484	0.510	0.538
	10	0.357	0.374	0.393	0.413	0.434	0.456	0.480	0.506	0.534
	15	0.354	0.371	0.390	0.410	0.431	0.453	0.477	0.503	0.531
	20	0.351	0.368	0.387	0.406	0.427	0.450	0.474	0.500	0.527
	25	0.348	0.365	0.384	0.404	0.425	0.447	0.471	0.496	0.524
	30	0.345	0.363	0.381	0.401	0.422	0.444	0.468	0.494	0.521
	35	0.343	0.360	0.379	0.398	0.419	0.441	0.465	0.491	0.518
	40	0.340	0.358	0.376	0.396	0.417	0.439	0.463	0.488	0.516
	45	0.338	0.356	0.374	0.394	0.414	0.437	0.460	0.486	0.513

R-449A										
		Oil separator DCFM/Ton factor								
		Condensing temperature (°F)								
		130	125	120	115	110	105	100	95	90
Evaporating temperature (°F)	-40	0.622	0.648	0.676	0.707	0.739	0.774	0.812	0.853	0.898
	-35	0.614	0.640	0.668	0.698	0.730	0.765	0.803	0.844	0.888
	-30	0.606	0.632	0.659	0.689	0.722	0.757	0.794	0.835	0.879
	-25	0.598	0.624	0.651	0.681	0.713	0.748	0.785	0.826	0.869
	-20	0.590	0.616	0.644	0.673	0.705	0.740	0.777	0.817	0.860
	-15	0.583	0.608	0.636	0.666	0.697	0.732	0.769	0.808	0.851
	-10	0.576	0.601	0.629	0.658	0.690	0.724	0.760	0.800	0.843
	-5	0.569	0.594	0.621	0.651	0.682	0.716	0.753	0.792	0.835
	0	0.562	0.587	0.615	0.644	0.675	0.709	0.745	0.784	0.827
	5	0.556	0.581	0.608	0.637	0.668	0.702	0.738	0.777	0.819
	10	0.549	0.575	0.601	0.630	0.661	0.695	0.731	0.769	0.811
	15	0.543	0.568	0.595	0.624	0.655	0.688	0.724	0.762	0.804
	20	0.538	0.563	0.589	0.618	0.648	0.682	0.717	0.755	0.797
	25	0.532	0.557	0.583	0.612	0.642	0.675	0.711	0.749	0.790
	30	0.527	0.551	0.578	0.606	0.636	0.669	0.704	0.742	0.783
	35	0.521	0.546	0.572	0.600	0.631	0.663	0.698	0.736	0.777
	40	0.516	0.541	0.567	0.595	0.625	0.658	0.692	0.730	0.771
	45	0.512	0.536	0.562	0.590	0.620	0.652	0.687	0.724	0.765

A-FC series high efficiency centrifugal oil separator

The High Efficiency Centrifugal Oil Separator is used in ultra-low temperature systems with long refrigerant lines or inherent oil return problems. It is also used on multiple compressor racks for supermarkets and air conditioning systems for use with CFCs, HCFCs, HFCs, and their lubricants. Suitable for use with R-410A.



Features

- Internal oil collection screen
- Hermetic welded or accessible bolted flange construction
- Corrosion resistant epoxy powder paint
- High efficiency (99%) centrifugal separation
- R-410A pressure rated

Specifications

- Maximum working pressure : 450 psi - flanged models*
600 psi - welded models*
- UL/CUL file number : SA8547

Nomenclature example: A-FC 8241717H

A	F	C	8	24	17	17	H
Series	F = Flanged W = Welded	Centrifugal	Diameter (in)	Length (in)	Inlet Connection in 1/8"	Outlet Connection in 1/8"	5" Legs Standard H = 10" Legs

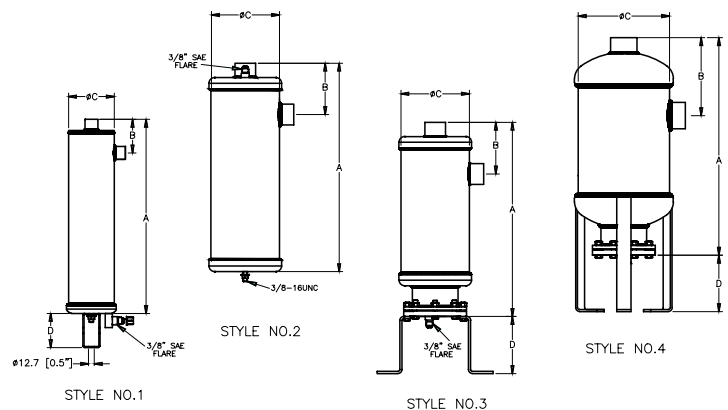
Replacement parts

PCN	Part	Contains
065847	Float Assembly Kit*	Flange w/intergral float ass'y and flange gasket
065849	Gasket Kit	Flange gasket

*Repairs AC & R series S1900 Standard and 5200 Helical Oil Separators

Ordering information

PCN	Description	Solder connection size	Dimensions			
			A	B	C	D
065895*	A-WC 41777	7/8	17.01	2.95	4.00	2.95
065896*	A-WC 41999	1 1/8	19.02	3.07		
066094*	A-WC 6181111	1 3/8	18.26	4.05	6.0	
066095*	A-WC 6181313	1 5/8		4.63		
066096*	A-WC 6181717	2 1/8	18.38	4.76		
065930	A-FC 6221111	1 3/8	17.00	3.94	6.0	5.00
065931	A-FC 6221111H					10.00
065362	A-FC 6221313	1 5/8	4.53			5.00
065932	A-FC 6221313H					10.00
065933	A-FC 6221717	2 1/8	17.13	4.65		5.00
065934	A-FC 6221717H					10.00
065276	A-FC 8241717	2 1/8	19.06	6.83	8.0	5.00
065935	A-FC 8241717H					10.00
065936	A-FC 10272121	2 5/8	22.10	6.11	10.00	5.00
065937	A-FC 10272121H					10.00
065938	A-FC 12302525H	3 1/8	25.10	7.05	12.00	



Capacity table

Description	Solder connec- tion size (ODF)	Style no.	Shell O.D.	Maximum capacity of refrigeration at evaporator temperature																Discharge maximum CFM	Oil pre-charge amount (oz.)	Replace- able float PCN
				R-134a /R-450A/R-513A				R-22/407C/ R-448A/R-449A				R404A/507				R-410A						
				-40F		+40F		-40F		+40F		-40F		+40F		-40F		+40F				
				Tons	kW	Tons	kW	Tons	kW	Tons	kW	Tons	kW	Tons	kW	Tons	kW	Tons	kW			
A-WC 41777	7/8"	1	4"	5.1	18.1	6.3	22.1	7.4	26.2	8.9	31.2	7.1	25.0	9.4	32.9	12.2	42.8	13.8	48.3	6.74	17	N/A
A-WC 41999	1 1/8"			8.8	31.0	10.8	38.0	12.8	44.9	15.2	53.6	12.2	42.8	16.1	56.4	20.9	73.4	23.7	83.3	11.55		
A-WC 6181111	1 3/8"	2	6"	12.2	42.8	14.9	52.4	17.6	61.9	21.0	73.9	16.8	15.1	22.1	77.9	28.8	101.2	32.7	114.9	15.94	21	
A-WC 6181313	1 5/8"		6"	18.7	65.6	22.8	80.3	27.0	94.8	32.2	113.2	25.8	90.6	33.9	119.3	44.1	155.1	50.1	176.0	24.42		
A-WC 6181717	2 1/8"	3	6"	23.9	84.0	29.2	102.8	34.5	121.4	41.2	145.0	33.0	116.0	43.5	152.8	56.5	198.6	64.1	225.4	31.26	21	065847
A-FC 6221111	1 3/8"			12.2	42.8	14.9	52.4	17.6	61.9	21.0	73.9	16.8	59.1	22.1	77.9	Not Available						
A-FC 6221111H			15.94																			
A-FC 6221313	1 5/8"	6"	18.7	65.6	22.8	80.3	27.0	94.8	32.2	113.2	25.8	90.6	33.9	119.3	Not Available					24.42		
A-FC 6221313H				24.42																		
A-FC 6221717	2 1/8"	4	8"	23.9	84.0	29.2	102.8	34.5	121.4	41.2	145.0	33.3	116.0	43.5	152.8	Not Available					31.26	
A-FC 6221717H					31.26																	
A-FC 8241717					38.06																	
A-FC 8241717H					38.06																	
A-FC10272121	2 5/8"	4	10"	50.5	177.5	61.7	217.1	72.9	256.5	87.1	306.3	69.7	245.0	91.8	322.8	Not Available					66.05	
A-FC 10271212H					66.05																	
A-FC 12302525H	3 1/8"		12"	67.9	238.9	83.1	292.1	98.1	345.2	117.2	412.2	93.7	329.7	123.5	434.4	Not Available					88.87	N/A

A-W & A-F oil separators

The A-W and A-F are used for multiple compressor racks in supermarkets and air conditioning systems for use with HCFCs, HFCs and their lubricants.

Features

- Hermetic welded or accessible bolted flange construction
- Solid copper connections
- Corrosion resistant epoxy powder paint

Nomenclature example: AW 5582 4

A	W	5582	4
Series	W = Welded F = Flanged	Model Number	Connection Size (in 1/8")



Specifications

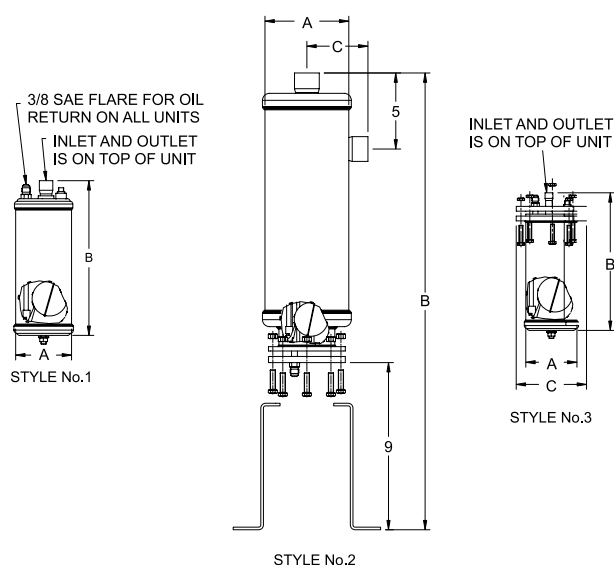
- Maximum working pressure : 450 psi
- UL/CUL file number : SA10468

Ordering information* and capacity table

Description				R-12				R-22/R-407C/R-450A/R-513A				R-502				R-134a/R-448A/R-449A				R-404A/R-507			
FLANGED	PCN	SEALED	PCN	-40 F/C		40F (4C)		-40F/C		40F (4C)		-40F/C		40F (4C)		-40F/C		40F (4C)		-40F/C		40F (4C)	
				Tons	kW	Tons	kW	Tons	kW	Tons	kW	Tons	kW	Tons	kW	Tons	kW	Tons	kW	Tons	kW	Tons	kW
A-F 58824	060877	A-W 55824	060933	1	3.5	1.5	5.3	1.5	5.3	2	7.1	1.5	5.3	2	7.08	1	3.5	1.8	6.2	1.5	5.3	2	7.0
A-F 58855	060878	A-W 55855	060934	3	10.6	4	14.2	4.5	15.9	5.5	19.5	4.8	16.8	5.8	20.4	3.3	11.5	4.5	15.9	4	14.2	5.5	19.0
A-F 58877	060879	A-W 55877	060931	4.5	15.9	5.5	19.5	7	24.8	8	28.3	7.5	26.6	8.5	30.1	4.8	16.8	6.5	23	6.5	23	8.5	30.0
A-F 58889	060759	A-W 55889	060974	6	21.2	7.5	26.6	9	31.9	11	37.2	9.5	33.6	11.5	40.7	6.5	23	8.5	30.1	8.5	30.1	11	38.0
A-F 589011	060760	A-W 559011	060930	7.5	26.6	10	35.4	11.5	40.7	14	47.8	12	42.5	14.5	51.3	8	28.3	11.5	40.7	10.5	37.2	14	49.0
A-F 589213	060761	A-W 559213	060975	9	31.9	11.5	40.7	14	49.6	18	62	16	56.6	17.5	62	9.5	33.6	13.3	46.9	14	49.6	17	60.0
-	-	A-W 569011	060978	9	31.7	12	42.3	13	45.8	14	49.8	15	52.8	20	70.4	9.5	33.4	13.7	48.2	11	38.7	19	66.9
A-F 579213	060875	A-W 569213	060979	11	38.9	14	49.6	16	56.6	18	63.7	20	70.8	24	85	11.8	41.6	16	56.6	17.5	62	23	81
A-F 579417	060876	A-W 569417	060980	17	60.2	22	77.9	25	88.5	30	106	30	106	35	124	18	63.7	25.6	89.4	26	92.	34	121

*See replacement parts page. Repair kits for style 2 only.

Dimensional data



Seal units: A-W

Description	Style No.	Connection size	Dimensions (in)		Replace-able float PCN	Discharge maximum CFM	Oil pre-charge amount (oz)
			A	B			
A-W 55824	1	1/2 ODF	4.0	10.75	N/A	1.49	17
A-W 55855		5/8 ODF		13.2		3.42	
A-W 55877		7/8 ODF		15.0		6.05	
A-W 55889		1-1/8 ODF		16.25		8.28	
A-W 559011		1-3/8 ODF		19.5		9.99	
A-W 559213		1-5/8 ODF		19.88		10.66	
A-W 569011	2	1-3/8 ODF	6.0	15.75	N/A	12.27	20
A-W 569213		1-5/8 ODF		19.0		14.51	
A-W 569417		2-1/8 ODF		19.5		21.29	

Flanged units: A-F

Description	Style No.	Connection size	Dimensions (in)			Replace-able float PCN	Discharge maximum CFM	Oil pre-charge amount (oz)
			A	B	C			
A-F 58824	3	1/2 ODF	4.0	10.5	5.5	N/A	1.49	17
A-F 58855		5/8 ODF		15.0			3.42	
A-F 58877		7/8 ODF		18.0			6.05	
A-F 58889		1 1/8 ODF		21.25			8.28	
A-F 589011		1 3/8 ODF		21.37			9.99	
A-F 589213		1 5/8 ODF		21.75			10.66	
A-F 579213	2	1 5/8 ODF	6.0	20.12	4.37	065847	23.93	21
A-F 579417		2 1/8 ODF		20.31	4.63		30.93	

A-WZ oil separators

The A-WZ is used for multiple compressor racks in supermarkets and air conditioning systems for use with HCFCs, HFCs and their lubricants. Suitable for use with R-410A.

Features

- Hermetic welded construction
- Copper plated steel connections
- Corrosion resistant epoxy powder paint

Specifications

- Maximum working pressure: 600 psi
- UL/CUL file number: SA8547
- CE marked per PED 97/23EC

Nomenclature example: A-WZ 55824

A	WZ	5582	4
Series	W = Welded	Model number	Connection size (in 1/2")

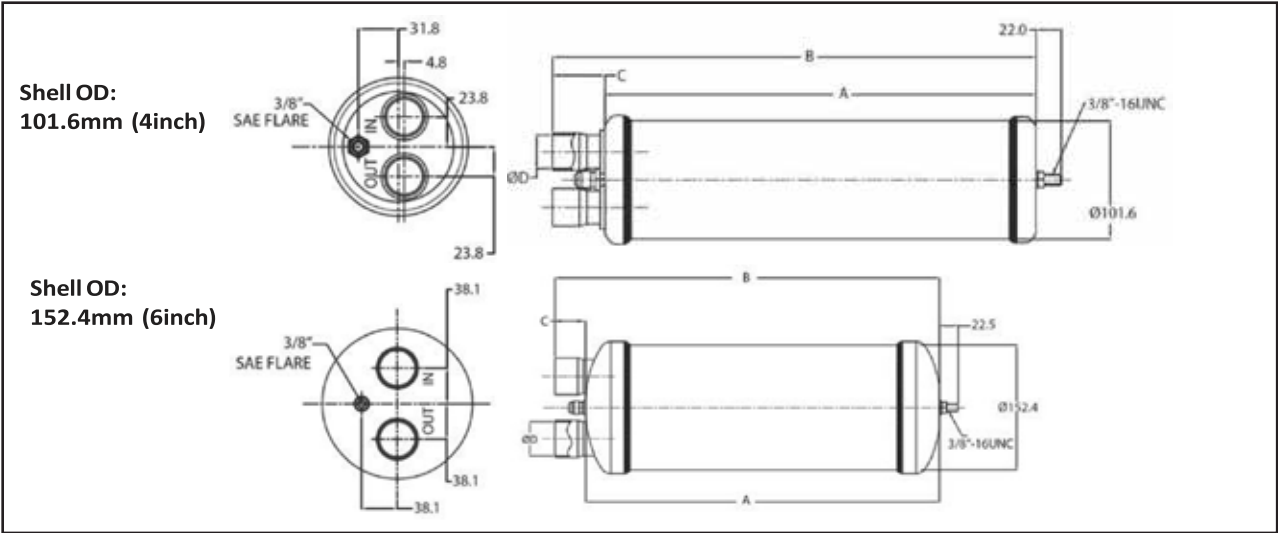


Ordering information and capacity table

PCN	Description	Solder connection size (ODF) (in)	Shell OD mm (in)	Length (mm)	Maximum capacity of refrigeration at evaporator temperature																Oil pre-charge amount (ml)
					R-134a				R-22/R-407C				R-404A				R-410A				
					-40F/C		40F (4C)		-40F/C		40F (4C)		-40F/C		40F (4C)		-40F/C		40F (4C)		
					Tons	kW	Tons	kW	Tons	kW	Tons	kW	Tons	kW	Tons	kW	Tons	kW	Tons	kW	
066666	A-WZ 55824*	1/2	"101.6 (4)"	276.9	1.0	3.5	1.8	6.2	1.5	5.3	2.0	7.1	1.5	5.3	2.0	7.0	2.7	9.5	3.1	10.9	500
066667	A-WZ 55855	5/8		338.0	3.3	11.5	4.5	15.9	4.5	15.9	5.5	19.5	4.0	14.2	5.5	19.0	7.4	26.0	8.4	29.5	
066668	A-WZ 55877	7/8		384.2	4.8	16.8	6.5	23.0	7.0	24.8	8.0	28.3	6.5	23.0	8.5	30.0	11.0	38.7	12.0	42.2	
066669	A-WZ 55889	1 1/8		415.8	6.5	23.0	8.5	30.1	9.0	31.9	11.0	37.2	8.5	30.1	11.0	38.0	15.0	52.8	17.0	59.8	
066670	A-WZ 559011	1 3/8		498.3	8.0	28.3	11.5	40.7	11.5	40.7	14.0	47.8	10.5	37.2	14.0	49.0	19.0	66.8	21.0	73.9	
066140	A-WZ 56909	1 1/8	"152.4 (6)"	397.4	9.5	33.6	13.3	46.9	13.0	45.8	14.0	49.8	11.0	38.7	19.1	66.9	18.0	62.0	20.0	70.0	750
066671	A-WZ 569011	1 3/8		399.0	9.5	33.4	13.7	48.2	13.0	45.8	14.0	49.8	11.0	38.7	19.0	66.9	19.0	66.8	21.0	73.9	
066142	A-WZ 56929	1 1/8		474.3	11.8	41.6	16.0	56.6	16.0	56.6	18.0	63.7	17.5	62.0	23.0	81.0	18.0	64.0	21.0	72.0	
066672	A-WZ 569213	1 5/8		469.2	18.0	63.7	25.6	89.4	25.0	88.5	30.0	106.0	26.0	92.0	34.0	121.0	24.0	84.4	28.0	98.5	

*Remark: This model inlet/outlet connector is pure copper tube.

Dimensional data



Unit: mm

No	Shell OD	Model	PCN	A	B	C	D
1	4inch	A-WZ 55824	066666	251.5	276.9	24.8	1/2"
2		A-WZ 55855	066667	300.0	338.0	38.3	5/8"
3		A-WZ 55877	066668	347.5	384.2	36.7	7/8"
4		A-WZ 55889	066669	371.5	415.8	44.9	1 1/8"
5		A-WZ 559011	066670	451.7	498.3	47.8	1 3/8"
6	6inch	A-WZ 569011	066671	355.6	399.0	44.5	1 3/8"
7		A-WZ 569213	066672	431.8	469.2	38.1	1 5/8"