

# High Efficiency Centrifugal Oil Separator

Oil Controls

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

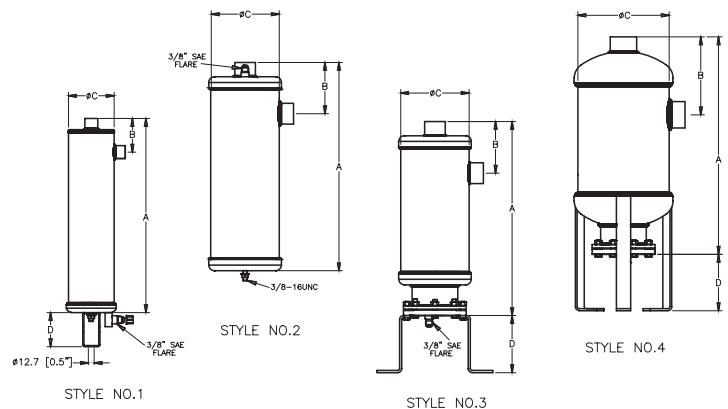
## Replacement Parts

PCN	Part	Contains
065847	Float Assembly Kit*	Flange w/integral 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	17.13	4.53	6.0	5.00
065932	A-FC 6221313H			10.00		
065933	A-FC 6221717	2 1/8	17.13	4.65	6.0	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 Connection Size (ODF)	Style Number	Shell O.D.	Maximum Capacity of Refrigeration at Evaporator Temperature												Oil Pre-Charge Amount (oz.)	Replaceable Float PCN				
				R-134a				R-22/407C				R-404A/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"	4.5	16	5.6	19	7.1	25	8	28	6.3	22	8.3	29	11	38	12	43	14	N/A
A-WC 41999	1 1/8"			5.3	19	6.5	23	8.3	29	9.4	33	7.4	26	9.7	34	13	45	14	50		
A-WC 6181111	1 3/8"	2	6"	8.5	30	10	37	13	46	15	53	12	41	16	54	20	71	23	80	25	065847
A-WC 6181313	1 5/8"			12	42	15	51	19	65	21	74	16	58	22	76	28	100	32	112		
A-WC 6181717	2 1/8"	3	6"	14	48	17	58	21	74	24	84	19	66	25	87	32	114	37	129	Not Available	N/A
A-FC 6221111	1 3/8"			12	42	15	51	19	65	21	74	16	58	22	76						
A-FC 6221111H		1 5/8"	3	6"	14	48	17	58	21	74	24	84	19	66	25	87					Not Available
A-FC 6221313	1 5/8"				14	50	17	61	22	77	25	88	20	69	26	91					
A-FC 6221313H		2 1/8"	3	6"	14	50	17	61	22	77	25	88	20	69	26	91					Not Available
A-FC 6221717	2 1/8"				4	8"	23	80	28	97	35	124	40	140	31	110	41	145			
A-FC 6221717H		2 5/8"	4	10"			45	159	56	195	71	248	80	280	63	220	83	290			
A-FC 8241717	2 5/8"				4	10"	45	159	56	195	71	248	80	280	63	220	83	290			
A-FC 8241717H		3 1/8"	4	12"			72	253	88	309	112	393	127	445	100	349	131	460			
A-FC 10272121	3 1/8"				4	12"	72	253	88	309	112	393	127	445	100	349	131	460			
A-FC 10272121H		3 1/8"	4	12"			72	253	88	309	112	393	127	445	100	349	131	460			
A-FC 12302525H	3 1/8"				4	12"	72	253	88	309	112	393	127	445	100	349	131	460			