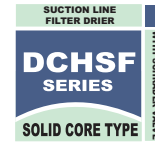


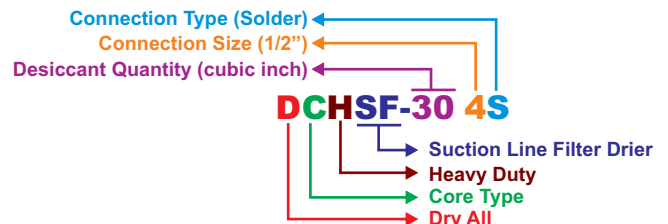
SUCTION LINE FILTER DRIER DCHSF SERIES (SOLID CORE TYPE)

MODELS AVAILABLE

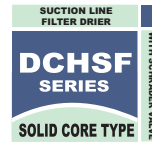


SR NO.	MODEL	OUTER DIA ØA		BODY LENGTH B		STOPPER TO STOPPER LENGTH C		OVERALL LENGTH D		CONNECTION TYPE (inch)	REFER DRAWING NO.				
		mm	Inch	mm	Inch	mm	Inch	mm	Inch						
1	DCHSF-052F	Ø 63.5	Ø 2.5	78	3.07	--	--	124	4.88	1/4" SAE	DRAWING - 1				
2	DCHSF-052S					108	4.25	128	5.04	1/4" ODF	DRAWING - 2				
3	DCHSF-053F					--	--	132	5.20	3/8" SAE	DRAWING - 1				
4	DCHSF-053S					108	4.25	128	5.04	3/8" ODF	DRAWING - 2				
5	DCHSF-082F			99	3.90	129	5.08	--	--	145	5.71	1/4" SAE	DRAWING - 1		
6	DCHSF-082S							129	5.08	149	5.87	1/4" ODF	DRAWING - 2		
7	DCHSF-083F							--	--	153	6.02	3/8" SAE	DRAWING - 1		
8	DCHSF-083S							129	5.08	149	5.87	3/8" ODF	DRAWING - 2		
9	DCHSF-084F					--	--	159	6.26	1/2" SAE	DRAWING - 1				
10	DCHSF-084S					129	5.08	149	5.87	1/2" ODF	DRAWING - 2				
11	DCHSF-163F					122	4.80	176	6.93	--	--	176	6.93	3/8" SAE	DRAWING - 1
12	DCHSF-163S									152	5.98	172	6.77	3/8" ODF	DRAWING - 2
13	DCHSF-163R			--	--					160	6.29	11/16-16ORFS	DRAWING - 3		
14	DCHSF-163ORN			--	--					176	6.92	3/8" O RING	DRAWING - 4		
15	DCHSF-164F			--	--			182	7.17	1/2" SAE	DRAWING - 1				
16	DCHSF-164S			152	5.98			172	6.77	1/2" ODF	DRAWING - 2				
17	DCHSF-164R			--	--			170	6.69	13/16-16ORFS	DRAWING - 3				
18	DCHSF-165F			--	--			190	7.48	5/8" SAE	DRAWING - 1				
19	DCHSF-165S			152	5.98			172	6.77	5/8" ODF	DRAWING - 2				
20	DCHSF-165R			--	--			170	6.69	1"-14 ORFS	DRAWING - 3				
21	DCHSF-303F	Ø 76.2	Ø 3	190	7.48	--	--	244	9.61	3/8" SAE	DRAWING - 1				
22	DCHSF-303S					220	8.66	240	9.45	3/8" ODF	DRAWING - 2				
23	DCHSF-303R					--	--	228	8.97	11/16-16ORFS	DRAWING - 3				
24	DCHSF-303ORN					--	--	244	9.60	3/8" O RING	DRAWING - 4				
25	DCHSF-304F					--	--	250	9.84	1/2" SAE	DRAWING - 1				
26	DCHSF-304S					220	8.66	240	9.45	1/2" ODF	DRAWING - 2				
27	DCHSF-304R					--	--	238	9.37	13/16-16ORFS	DRAWING - 3				
28	DCHSF-305F					--	--	258	10.16	5/8" SAE	DRAWING - 1				
29	DCHSF-305S					220	8.66	240	9.45	5/8" ODF	DRAWING - 2				
30	DCHSF-305R					--	--	244	9.61	1"-14 ORFS	DRAWING - 3				
31	DCHSF-306F					--	--	270	10.63	3/4" SAE	DRAWING - 1				
32	DCHSF-306S					220	8.66	240	9.45	3/4" ODF	DRAWING - 2				
33	DCHSF-307S*					220	8.66	264	10.39	7/8" ODF	DRAWING - 5				
34	DCHSF-309S*					220	8.66	274	10.79	1 1/8" ODF	DRAWING - 5				
35	DCHSF-414F	Ø 88.9	Ø 3.5	198	7.80	--	--	258	10.16	1/2" SAE	DRAWING - 1				
36	DCHSF-414S					228	8.98	248	9.76	1/2" ODF	DRAWING - 2				
37	DCHSF-415F					--	--	266	10.47	5/8" SAE	DRAWING - 1				
38	DCHSF-415S					228	8.98	248	9.76	5/8" ODF	DRAWING - 2				
39	DCHSF-415-4F					--	--	262	10.31	1/2" SAE(OUT)&5/8 SAE(IN)	DRAWING - 1				
40	DCHSF-415-4R					--	--	235	9.25	13/16-16ORFS(OUT) & 1"-14 ORFS(IN)	DRAWING - 3				
41	DCHSF-417S*					228	8.98	272	10.71	7/8" ODF	DRAWING - 5				
42	DCHSF-419S*					228	8.98	282	11.10	1-1/8" ODF	DRAWING - 5				

- INTERNAL ASSEMBLY - CORE TYPE
- MAXIMUM WORKING PRESSURE - 35 bar (508 psig)
- SAE,ORFS & 'O'RING TYPE CONNECTION ARE IN STEEL,NICKEL PLATED
- ODF TYPE CONNECTION IS IN COPPER
- * MARK CONNECTION STEEL, PLATED



SUCTION LINE FILTER DRIER DCHSF SERIES (SOLID CORE TYPE)



SELECTION RECOMMENDATION

SR NO.	Description	Connections Inlet/outlet	Flow Capacity Ton @ 1psi ΔP (for kw multiply Ton by 3.5)				Water Capacity drops of water									
			R-134a	R-22 & R-410A	R-407C	R-404A & R-507	R-134a		R-22		R-407C		R-410A		R-404A & R-507	
							75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F
1	DCHSF-052F	1/4" SAE	2	2.28	2.28	1.42	201	186	186	136	156	126	131	101	206	196
2	DCHSF-052S	1/4" ODF														
3	DCHSF-053F	3/8" SAE														
4	DCHSF-053S	3/8" ODF														
5	DCHSF-082F	1/4" SAE	2	2.28	2.28	1.42	265	245	250	225	205	165	170	130	275	260
6	DCHSF-082S	1/4" ODF														
7	DCHSF-083F	3/8" SAE														
8	DCHSF-083S	3/8" ODF														
9	DCHSF-084F	1/2" SAE	7.42	8.28	8.28	5.71	396	366	271	336	306	246	256	196	406	286
10	DCHSF-084S	1/2" ODF														
11	DCHSF-163F	3/8" SAE														
12	DCHSF-163S	3/8" ODF														
13	DCHSF-163R	11/16-16 ORFS	6.2	6.8	6.8	4.57	877	812	822	752	687	552	567	432	907	857
14	DCHSF-163ORN	3/8" O" Ring														
15	DCHSF-164F	1/2" SAE														
16	DCHSF-164S	1/2" ODF														
17	DCHSF-164R	13/16-16ORFS	12.2	13.4	13.4	8.57	1216	1106	1146	1016	951	746	786	586	1266	1162
18	DCHSF-165F	5/8" SAE														
19	DCHSF-165S	5/8" ODF														
20	DCHSF-165R	1" -14 ORFS														
21	DCHSF-303F	3/8" SAE	6	6.57	6.57	4.28	26	28.57	28.57	18.57	18.57					
22	DCHSF-303S	3/8" ODF														
23	DCHSF-303R	11/16-16 ORFS														
24	DCHSF-303-ORN	3/8" O RING														
25	DCHSF-304F	1/2" SAE	8.85	9.71	9.71	6.28										
26	DCHSF-304S	1/2" ODF														
27	DCHSF-304R	13/16-16 ORFS														
28	DCHSF-305F	5/8" SAE														
29	DCHSF-305S	5/8" ODF	12.85	14	14	9.42										
30	DCHSF-305R	1" -14 ORFS														
31	DCHSF-306F	3/4" SAE														
32	DCHSF-306S	3/4" ODF														
33	DCHSF-307S*	7/8" ODF	17.71	19.42	19.42	12.85										
34	DCHSF-309S*	1-1/8" ODF														
35	DCHSF-414F	1/2" SAE														
36	DCHSF-414S	1/2" ODF														
37	DCHSF-415F	5/8" SAE	15.14	16.57	16.57	10.57										
38	DCHSF-415S	5/8" ODF														
39	DCHSF-415-4F	5/8"SAE(IN) & 1/2 SAE(OUT)														
40	DCHSF-415-4R	1-14 ORFS (IN) & 13/16-16 ORFS(OUT)														
41	DCHSF-417S*	7/8" ODF	26	28.57	28.57	18.57										
42	DCHSF-419*	1-1/8" ODF														

All ratings are in accordance with ANSI/AHRI Standard 710-2009

1. Water in refrigerant at EPD for :

R-134a/R-407C/R-410A/R-404A/R-507A is 50 ppm,

R-22 is 60 ppm.

2. Flow Capacities are based on following standard rating

Flow Rate per Ton of Refrigeration at 86°F Liquid & 5.0°F Saturated Vapor for :

R-134a is 3.1 lb/min/ton,

R-407C is 3.0 lb/min/ton,

R-410A is 2.8 lb/min/ton,

R-404A is 4.1 lb/min/ton,

R-507A is 4.2 lb/min/ton,

R-22 is 3.0 lb/min/ton.