Catch-All® THE PERFECT FILTER-DRIER

The universal acceptance of the **Catch-All® Filter-Drier** is due to its unique molded porous core, consisting of a blend of highly effective desiccants. The quality features built into it assure years of service on any refrigeration system.

MOISTURE – The **Catch-All Filter-Drier** removes moisture from the refrigerant by adsorbing and retaining it deep within the desiccant granules. The blend of desiccants used in the **Catch-All Filter-Drier** are specially formulated for exceptional water removal.

FOREIGN MATTER – The **Catch-All Filter-Drier** will filter out scale, solder particles, carbon, sludge, dirt or any other foreign matter with negligible pressure drop. Fine particles that would go through an ordinary strainer are removed down to a minimum size in one pass filtration. The large filtering area of the **Catch-All Filter-Drier** core permits it to collect a large amount of dirt without plug up.

ACID – The **Catch-All Filter-Drier** is unexcelled in acid removal ability. The hydrochloric, hydrofluoric, and various organic acids are adsorbed and held by the desiccant in a manner similar to the adsorption of moisture. Tests have demonstrated that the **Catch-All Filter-Drier** has superior acid removal ability when compared to competitive driers. This ability, along with its excellent ability to clean-up the oil, is responsible for the excellent field performance in cleaning up severely contaminated systems.

OIL SLUDGE AND VARNISH – Even the best refrigeration oils break down to produce varnish, sludge and organic acids. Only the **Catch-All Filter-Drier** is capable of removing these products of oil decomposition.

SPECIAL APPLICATIONS – A special "HH" core **Catch-All Filter-Drier** is available to remove wax which frequently causes difficulty on low temperature refrigeration systems. For cap tube systems, use the C-032-CAP or C-032-CAP-T Catch-All which has fittings suitable for attaching to any size capillary tube.

Remember...It's the CORE that counts!

C UL US LISTED

Sealed Type – Liquid Line And Suction Line Specifications

"C" SERIES LIQUID LINE TYPE		SUCTION LINE TYPE	CONNECTION SIZE Inches	VOLUME of DESICCANT Cubic Inches	OVERALL LENGTH Inches		SOLDER SOCKET DEPTH Inches	DIAMETER of BODY Inches
SAE FLARE	ODF SOLDER	ODF SOLDER			SAE FLARE	ODF SOLDER		
C-032	C-032-S	—	1/4	3	4.19	3.81	0.38	1.75
—	C-032-CAP C-032-CAP-T	—	Extended 1/4 Male		—	5.81	—	
C-032-F	—	—	1/4 Male - Inlet 1/4 Female - Outlet		3.81	—	—	
C-032-FM	—	—	1/4 Female - Inlet 1/4 Male - Outlet		3.81	—	—	
C-033	C-033-S	—	3/8		4.69	3.88	0.44	
C-052	C-052-S	—	1/4	5	4.75	4.19	0.38	2.44
—	C-0525-S		5/16		—	4.38	0.44	
C-052-F	—	—	1/4 Male - Inlet 1/4 Female - Outlet		4.19	—	—	
C-052-FM	—	—	1/4 Male - Inlet 1/4 Female - Outlet		4.19	—	—	
C-053	C-053-S	—	3/8		5.19	4.31	0.44	
C-082	C-082-S	—	1/4	9	5.62	5.12	0.38	2.62
—	C-0825-S	—	5/16		—	5.31	0.44	
C-083	C-083-S	C-083-S-T-HH	3/8		6.06	5.25	0.44	
C-084	C-084-S	C-084-S-T-HH	1/2		6.31	5.44	0.50	
C-162	C-162-S	—	1/4	16	6.25	5.75	0.38	3.00
—	C-1625-S	—	5/16		—	5.94	0.44	
C-163	C-163-S	—	3/8		6.75	5.88	0.44	
C-164	C-164-S	C-164-S-T-HH	1/2		6.94	6.00	0.50	
C-165	C-165-S	C-165-S-T-HH	5/8		7.25	6.31	0.62	
—	—	C-166-S-T-HH	3/4		—	6.75	0.62	
—	C-167-S	C-167-S-T-HH	7/8		—	6.93	0.75	
C-303	C-303-S	—	3/8	30	9.69	8.88	0.44	3.00
C-304	C-304-S	—	1/2		9.88	9.00	0.50	
C-305	C-305-S	C-305-S-T-HH	5/8		10.19	9.25	0.62	
—	C-306-S	C-306-S-T-HH	3/4		—	9.65	0.62	
—	C-307-S	C-307-S-T-HH	7/8		—	9.80	0.75	
—	C-309-S	C-309-S-T-HH	1-1/8		—	9.75	0.96	
C-413	—	—	3/8	41	9.56	—	—	3.50
C-414	C-414-S	—	1/2		9.94	9.05	0.50	
C-415	C-415-S	—	5/8		10.25	9.35	0.62	
—	C-417-S	C-417-S-T-HH	7/8		—	9.81	0.75	
—	C-419-S	C-419-S-T-HH	1-1/8		—	9.75	0.96	
—	—	C-437-S-T-HH	7/8	48	—	10.34	0.75	4.75
		C-439-S-T-HH	1-1/8			10.74	0.94	
		C-4311-S-T-HH	1-3/8			10.94	1.00	
		C-4313-S-T-HH	1-5/8			10.94	1.06	
—	C-607-S	C-607-S-T-HH	7/8	60	—	16.00	0.75	3.00
	C-609-S	C-609-S-T-HH	1-1/8			16.00	0.96	
COMPACT STYLE		C-144-S-TT-HH	1/2	14	—	4.14	0.50	4.44
		C-145-S-TT-HH	5/8			4.38	0.66	
		C-146-S-TT-HH	3/4			4.83	0.66	
		C-147-S-TT-HH	7/8			4.97	0.75	
		C-149-S-TT-HH	1-1/8			4.93	0.96	

UL and UL$_C$ Listed – Guide SMGT-File No. SA-1756A & B. Maximum Rated Pressure of 650 psi, except for the C-140 Series rated at 450 psi and the C-430 Series rated at 500 psi.
For complete information see your Sporlan Wholesaler, our website at www.sporlan.com, or write Sporlan and request Bulletin 40-10.

Catch-All® THE PERFECT FILTER-DRIER

22, 134a, 404A, 407C, 410A, 507

Replaceable Core Type

ODF Solder Connections

The rugged construction of the Replaceable Core Catch-All has proven itself in the field for many years. The design features include:

1. The famous **molded porous core** for maximum contaminant removal. The core cannot swell, powder or pack – assuring ease of installation and removal.
2. The **bolt and nut attachment** of the end plate provides simple trouble-free installation.
3. The **internal** construction gives a one piece assembly and assures proper core alignment.
4. A **complete line** of fitting sizes – all with copper fittings.
5. **No plastic parts** are used – all internal parts are plated steel.
6. A **corrosion resistant powder paint** protects the exterior of the shell.

RCW-48

RC-4864

RCW-100

c UL us LISTED

C-969-G

Specifications

TYPE	CONNECTIONS ODF SOLDER Inches	OPTIONAL SECONDARY FILTER*	NUMBER of CORES or FILTER ELEMENTS	CORE PART NUMBER	VOLUME of DESICCANT Cubic Inches	FILTER ELEMENT PART NUMBER	MOUNTING BRACKETS	OVERALL LENGTH Inches
C-R424-G **C-R425-G** **C-R427-G**	1/2 5/8 7/8	—	1	RCW-42	42	—	A-175-1	9.00 9.06 9.44
C-485-G **C-487-G** **C-489-G** **C-4811-G** **C-4813-G**	5/8 7/8 1-1/8 1-3/8 1-5/8	FS-480	1	RCW-48, RC-4864 or RC-4864-HH	48	RPE-48-BD	A-685	9.15 9.30 9.50 9.60 9.60
C-967-G **C-969-G** **C-9611-G** **C-9613-G**	7/8 1-1/8 1-3/8 1-5/8	FS-960	2		96	RPE-48-BD	A-685	14.84 15.04 15.14 15.14
C-1449-G **C-14411-G** **C-14413-G**	1-1/8 1-3/8 1-5/8	FS-1440	3		144	RPE-48-BD	A-685	20.58 20.68 20.68
C-19211-G **C-19213-G** **C-19217-G**	1-3/8 1-5/8 2-1/8	FS-19200	4		192	RPE-48-BD	A-685	26.22 26.22 26.22
C-30013-G **C-30017-G**	1-5/8 2-1/8	—	3	RCW-100, RC-10098 or RC-10098-HH	300	RPE-100	A-175-2	27.94 28.06
C-40017-G **C-40021-G** **C-40025-G** **C-40029-G** **C-40033-G**	2-1/8 2-5/8 3-1/8 3-5/8 4-1/8	—	4		400	RPE-100	A-175-2	34.56 34.75 34.44 34.81 35.12
NPT PIPE CONNECTIONS								
C-484-PG **C-966-PG** **C-1448-PG** **C-19212-PG**	1/2 3/4 1 1-1/2	—	1 2 3 4	RCW-48, RC-4864 or RC-4864-HH	48 96 144 192	RPE-48-BD	A-685	9.08 14.67 20.42 25.85
C-40016-PG	2	—	4	RCW-100, RC-10098 or RC-10098-HH	400	RPE-100	A-175-2	34.44

UL and UL_C Listed – Guide SMGT-File No. SA-1756A & B. C-480 through C-1920 Series shells have a 650 psig rating for R-410A. C-30000 and C40000 shells have a 500 psig rating.
*Optional Secondary Filter must be purchased separately. O-rings (p/n 621-025) are supplied with each secondary filter, but can be purchased separately. The secondary filter cannot be used if the shell is installed in the suction line.

Type numbers with G suffix indicate that unit is supplied with 1/4" female pipe connection in the end plate and pipe plug. For liquid line service and angle charging valve for system charging purposes can be installed in place of the pipe plug. Angle charging and Schrader type access valves are available from your Sporlan Wholesaler.

Type numbers with P suffix indicates female threaded pipe connections.

Note: Do not use RPE-48-BD and RPE-100 filter elements in ammonia systems.

For complete information see your Sporlan Wholesaler, our website at www.sporlan.com, or write Sporlan and request Bulletin 40-10.

Catch-All® **THE PERFECT FILTER-DRIER**

22, 134a, 404A, 407C, 410A, 507

Liquid Line Ratings And Selection Recommendations

TYPE	③SURFACE FILTERING AREA Square Inches	②RATINGS AT ARI STANDARD CONDITIONS														SELECTION RECOMMENDATIONS (Tons)				
		WATER CAPACITY – DROPS										①REFRIGERANT FLOW CAPACITY Tons at 1 psi ΔP				REFRIGERATION			AIR CONDITIONING	
		R-22 60 PPM		R-134a 50 PPM		R-404A & 507 50 PPM		R-507C 50 PPM		R-410A 50 PPM						COMMERCIAL & LOW TEMPERATURE EQUIPMENT			FIELD REPLACEMENT or FIELD BUILT UP SYSTEMS	
		75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	22 & 410A	134a	404A & 507	407C	12 & 134a	22	404A, 502 & 507	12 & 134a	22, 407C & 410A
SEALED TYPE																				
C-032																				
C-032-CAP																				
C-032-S												1.5	1.3	1.0	1.3					
C-032-F	9	61	50	67	48	71	58	52	17	27	20					1/4	1/4	1/4	1/2	1/2
C-032-FM																				
C-033												3.5	3.2	2.3	3.2					
C-033-S												3.8	3.5	2.6	3.5					
C-052																				
C-052-S																				
C-052-F												2.1	1.9	1.4	1.9					
C-052-FM	15	146	119	158	114	169	138	123	40	63	48					1/3	1/3	1/3	3/4 thru 1	3/4 thru 2
C-0525-S												3.4	3.1	2.3	3.1					
C-053												4.1	3.8	2.7	3.8					
C-053-S												4.7	4.3	3.1	4.3					
C-082												2.1	1.9	1.4	1.9					
C-082-S																				
C-0825-S												3.7	3.3	2.4	3.3					
C-083	21	240	196	261	188	279	227	202	65	104	78	4.5	4.2	3.0	4.2	1/2 thru 1-1/2	1/2 thru 1-1/2	1/2 thru 1	3/4 thru 2	1 thru 2
C-083-S												5.2	4.7	3.4	4.7					
C-084												8.7	7.9	5.9	8.0					
C-084-S												9.6	8.8	6.4	8.8					
C-162												2.1	1.9	1.4	1.9					
C-162-S																				
C-1625-S												3.7	3.3	2.4	3.3					
C-163												4.5	4.2	3.0	4.2					
C-163-S	33	346	297	396	285	424	345	307	100	158	119	5.2	4.7	3.4	4.7	1 thru 2	1-1/2 thru 3	3/4 thru 2	1 thru 5	1-1/2 thru 5
C-164												10.1	9.3	6.8	9.3					
C-164-S												11.0	10.1	7.3	10.1					
C-165												12.0	11.0	8.2	11.1					
C-165-S												13.8	12.6	9.2	12.7					
C-303												4.6	4.2	3.0	4.2					
C-303-S												5.3	4.7	3.4	4.7					
C-304												10.1	9.3	6.8	9.3					
C-304-S	53	696	567	756	545	809	658	586	189	302	227	11.0	10.1	7.3	10.1	3 thru 5	3 thru 5	2 thru 5	3 thru 7-1/2	4 thru 10
C-305												14.9	13.6	9.9	13.7					
C-305-S												16.9	15.5	11.3	15.5					
C-307-S												21.6	19.8	14.4	19.9					
C-414												11.5	10.5	7.6	10.5					
C-414-S												12.4	11.4	8.3	11.4					
C-415												15.8	14.5	10.6	14.6	5 thru 10	5 thru 12	5 thru 10	5 thru 12	7-1/2 thru 15
C-415-S	67	936	713	1017	733	1088	885	788	254	407	305	17.5	16.1	11.8	16.2					
C-417-S												22.1	20.3	14.8	20.4					
C-419-S												24.3	22.3	16.3	22.4					
C-607-S	106	1392	1134	1512	1090	1618	1316	1172	378	604	454	29.1	26.6	19.5	26.8	15	15	10	15	20
C-609-S												33.2	30.4	22.3	30.7					

① Based on 86°F liquid line temperature and a refrigerant flow of 3.1 pounds per minute per ton of Refrigerant 134a; 2.9 pounds per minute per ton of Refrigerant 22; 3.9 pounds per minute per ton for Refrigerant 404A; 2.9 pounds per minute per ton for Refrigerant 407C; 2.8 pounds per minute per ton for Refrigerant 410A and 4.1 pounds per minute per ton for Refrigerant 507. Ratings in accordance to ARI Standard 710.

② 20 drops = 1 gram = 1 cc.

③ The filtration area is equal to the core surface area plus the large internal surface available for depth filtration.

Notes: R-12 water capacity values are approximately 15 percent greater than R-134a. R-502 water capacities are similar to R-404A and R-507.

The variation in flow ratings of filter-driers having the same size core and shell is caused by the difference in connection sizes used.

For complete capacity and selection information see your Sporlan Wholesaler, our website at www.sporlan.com, or write Sporlan and request Bulletin 40-10.

Catch-All® THE PERFECT FILTER-DRIER

22, 134a, 404A, 407C, 410A, 507

Liquid Line Ratings And Selection Recommendations

TYPE	③SURFACE FILTERING AREA Square Inches	②RATINGS AT ARI STANDARD CONDITIONS														SELECTION RECOMMENDATIONS (Tons)					
		WATER CAPACITY – DROPS										①REFRIGERANT FLOW CAPACITY Tons at 1 psi ΔP				REFRIGERATION			AIR CONDITIONING		
		R-22 60 PPM		R-134a 50 PPM		R-404A & 507 50 PPM		R-407C 50 PPM		R-410A 50 PPM						COMMERCIAL & LOW TEMPERATURE EQUIPMENT			FIELD REPLACEMENT or FIELD BUILT UP SYSTEMS		
		75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	22 & 410A	134a	404A & 507	407C	12 & 134a	22	404A, 502 & 507	12 & 134a	22 & 407C	410A
REPLACEABLE CORE TYPE WITH HIGH WATER CAPACITY CORES (See page 44)																					
C-R424-G	67	902	735	981	706	1049	853	760	245	407	305	11.4	10.4	7.6	10.5	3	5	5	5	5	5
C-R425-G												13.7	12.5	9.1	12.5	5	7-1/2	5	7-1/2	10	10
C-R427-G												18.5	16.9	12.4	17.0						
C-485-G	64	1109	904	1201	868	1290	1049	934	301	481	361	14.6	13.4	9.8	13.5	7-1/2	10	7-1/2	7-1/2	10	10
C-487-G												23.9	21.9	16.0	22.0	12	15	10	12	15	15
C-489-G												43.2	39.5	28.9	39.8				15	20	20
C-967-G	128	2218	1808	2402	1736	2580	2098	1868	602	962	722	39.2	35.9	26.2	36.1	20	25	15	20	25	25
C-969-G												48.7	44.5	32.6	44.8	25	35	25	25	35	35
C-1449-G	192	3327	2712	3603	2604	3870	3147	2802	903	1443	1083	59.2	54.1	39.7	54.6	30	40	30	30	40	40
C-14411-G												67.0	61.3	44.8	61.7	40	50	35	40	50	50
C-19211-G	256	4436	3616	4804	3472	5160	4196	3736	1204	1924	1444	84.5	77.3	56.3	77.7	50	70	50	50	70	70
C-19213-G												99.0	90.6	66.2	91.1	60	80	55	60	80	80
C-19217-G												104	95.1	69.5	95.7	65	85	60	65	85	85
C-30013-G	294	6786	5532	7375	5310	7890	6417	5716	1844	—	—	112	102	74.5	103	75	100	70	75	100	—
C-40017-G	392	9048	7376	9833	7080	10520	8556	7621	2458	—	—	134	132	96.8	133	110	130	100	110	130	—

TYPE	③SURFACE FILTERING AREA Square Inches	②RATINGS AT ARI STANDARD CONDITIONS									SELECTION RECOMMENDATIONS (Tons)				
		WATER CAPACITY – DROPS						①REFRIGERANT FLOW CAPACITY Tons at 1 psi ΔP			REFRIGERATION			AIR CONDITIONING	
		R-22 60 PPM		R-134a 50 PPM		R-404A & 507 50 PPM					COMMERCIAL & LOW TEMPERATURE EQUIPMENT			FIELD REPLACEMENT or FIELD BUILT UP SYSTEMS	
		75°F	125°F	75°F	125°F	75°F	125°F	22	134a	404A & 507	12 & 134a	22	404A, 502 &507	12 & 134a	22
REPLACEABLE CORE TYPE WITH STANDARD CORES (See page 44)															
C-485-G	64	347	288	583	473	408	309	14.6	13.4	9.8	7-1/2	10	7-1/2	7-1/2	10
C-487-G								23.9	21.9	16.0	12	15	10	12	15
C-489-G								43.2	39.5	28.9		15	10	15	20
C-967-G	128	694	576	1166	946	816	618	39.2	35.9	26.2	20	25	15	20	25
C-969-G								48.7	44.5	32.6	25	35	25	25	35
C-1449-G	192	1041	864	1749	1419	1224	927	59.2	54.1	39.7	30	40	30	30	40
C-14411-G								67.0	61.3	44.8	40	50	35	40	50
C-19211-G	256	1388	1152	2332	1892	1632	1236	84.5	77.3	56.3	50	70	50	50	70
C-19213-G								99.0	90.6	66.2	60	80	55	60	80
C-19217-G								104	95.1	69.5	65	85	60	65	85
C-30013-G	294	2670	1878	3912	3009	2631	1992	112	102	74.5	75	100	70	75	100
C-40017-G	392	3560	2504	5216	4012	3508	2652	134	132	96.8	110	130	100	110	130

① Based on 86°F liquid line temperature and a refrigerant flow of 3.1 pounds per minute per ton of Refrigerant 134a; 2.9 pounds per minute per ton of Refrigerant 22; 3.9 pounds per minute per ton for Refrigerant 404A; 2.9 pounds per minute per ton for Refrigerant 407C; 2.8 pounds per minute per ton for Refrigerant 410A and 4.1 pounds per minute per ton for Refrigerant 507. Ratings in accordance to ARI Standard 710.

② 20 drops = 1 gram = 1 cc.

③ The filtration area is equal to the core surface area plus the large internal surface available for depth filtration.

Notes: R-12 water capacity values are approximately 15 percent greater than R-134a. R-502 water capacities are similar to R-404A and R-507.

The variation in flow ratings of filter-driers having the same size core and shell is caused by the difference in connection sizes used.

For complete capacity and selection information see your Sporlan Wholesaler, our website at www.sporlan.com, or write Sporlan and request Bulletin 40-10.

Catch-All® **THE PERFECT FILTER-DRIER**

22, 134a, 404A, 407C, 410A, 507

Suction Line Filter-Drier Ratings

for New Systems and Clean-up after Burnout

Selection Instructions

Except for the values in bold (R-22/R-407C/R-410A at 40°F; 8 psi pressure drop), the flow capacities are rated at the maximum recommended pressure drop for **permanent** installation.

To ensure the suction line filter-drier has ample contaminant removal ability, selection must be based on flow capacity and the amount of desiccant required for system clean-up. The suction line filter-drier must be large enough to adequately remove acid, moisture and solid contaminants without causing nuisance plug-ups. Sizing is especially important for sealed type suction line filter-driers since they should be sized to clean a small system with one service call.

To reduce the pressure drop through replaceable core shells, substitute cores with filter elements (see page 44) after the system has been cleaned up. The 6171-5 screen should be discarded when cores are replaced with RPE-48-BD elements in RSF shells.

For complete description of the suggested system clean-up procedure, request Bulletin 40-10.

Suction Line Flow Capacity (Tons) – Sealed Type

REFRIGERANT		134a			22					404A				407C	410A
EVAPORATOR TEMPERATURE		40°F	20°F	0°F	40°F	20°F	0°F	-20°F	-40°F	20°F	0°F	-20°F	-40°F	40°F	40°F
PRESSURE DROP (psi)		2.0	1.5	1.0	3.0	2.0	1.5	1.0	0.5	2.0	1.5	1.0	0.5	3.0	3.0
SEALED TYPE	C-083-S-T-HH	1.3	0.9	0.5	2.1	1.3	0.9	0.5	0.2	1.2	0.8	0.5	0.2	2.0	2.7
	C-084-S-T-HH	1.4	0.9	0.6	2.1	1.3	0.9	0.5	0.3	1.3	0.8	0.5	0.3	2.1	2.7
	C-144-S-T-HH	1.3	0.8	0.5	2.1	1.3	0.9	0.4	0.2	0.9	0.6	0.3	0.2	2.1	2.7
	C-145-S-T-HH	2.1	1.3	0.8	3.4	2.2	1.4	0.8	0.4	1.6	1.0	0.6	0.3	3.4	4.6
	C-146-S-T-HH	2.9	1.8	1.1	4.8	3.0	2.0	1.2	0.6	2.1	1.4	0.9	0.4	4.8	6.2
	C-147-S-T-HH	3.2	2.1	1.3	5.3	3.3	2.2	1.3	0.7	2.4	1.6	0.9	0.5	5.3	6.8
	C-149-S-T-HH	4.2	2.7	1.6	7.0	4.4	2.9	1.7	0.9	3.2	2.1	1.2	0.6	7.0	9.0
	C-164-S-T-HH	1.7	1.1	0.7	2.7	1.7	1.1	0.7	0.3	1.6	1.0	0.6	0.3	2.7	3.6
	C-165-S-T-HH	2.0	1.3	0.8	3.2	2.0	1.3	0.8	0.4	1.9	1.2	0.7	0.4	3.2	4.2
	C-166-S-T-HH	2.6	1.7	1.0	4.0	2.5	1.6	1.0	0.5	2.4	1.6	0.9	0.5	3.9	5.2
	C-167-S-T-HH	2.8	1.8	1.1	4.5	2.8	1.8	1.1	0.5	2.7	1.7	1.0	0.5	4.4	5.9
	C-305-S-T-HH	2.2	1.4	0.8	3.4	2.1	1.4	0.8	0.4	2.0	1.3	0.8	0.4	3.4	4.4
	C-306-S-T-HH	2.8	1.8	1.1	4.4	2.8	1.8	1.1	0.5	2.7	1.7	1.0	0.5	4.4	5.8
	C-307-S-T-HH	3.4	2.2	1.3	5.3	3.3	2.2	1.3	0.6	3.2	2.0	1.2	0.6	5.3	7.0
	C-309-S-T-HH	3.8	2.4	1.5	5.9	3.7	2.4	1.5	0.7	3.6	2.3	1.4	0.7	5.8	7.7
	C-417-S-T-HH	3.8	2.5	1.5	6.0	3.8	2.5	1.5	0.7	3.6	2.3	1.4	0.7	6.0	7.9
	C-419-S-T-HH	4.0	2.6	1.6	6.2	3.9	2.5	1.5	0.8	3.7	2.4	1.5	0.7	6.1	8.0
	C-437-S-T-HH	5.1	3.3	2.1	8.0	5.0	3.3	2.0	1.0	4.8	3.1	1.9	0.9	7.9	10.4
	C-439-S-T-HH	6.4	4.2	2.5	10.0	6.3	4.1	2.5	1.2	6.0	3.9	2.4	1.2	9.9	13.1
	C-4311-S-T-HH	7.1	4.6	2.8	11.1	6.9	4.6	2.7	1.4	6.7	4.3	2.6	1.3	10.9	14.4
	C-4313-S-T-HH	7.8	5.1	3.1	12.2	7.6	5.0	3.0	1.5	7.3	4.7	2.9	1.4	12.0	15.9
	C-607-S-T-HH	4.2	2.7	1.7	6.7	4.2	2.7	1.6	0.8	4.0	2.6	1.6	0.8	6.6	8.7
	C-609-S-T-HH	4.8	3.1	1.9	7.5	4.7	3.1	1.8	0.9	4.5	2.9	1.8	0.9	7.4	9.8

Suction Line Flow Capacity (Tons) – Shells With Replaceable Cores

REFRIGERANT		134a			22						404A & 507				407C		410A	
EVAPORATOR TEMPERATURE		40°F	20°F	0°F	40°F		20°F	0°F	-20°F	-40°F	20°F	0°F	-20°F	-40°F	40°F		40°F	
PRESSURE DROP (psi)		2.0	1.5	1.0	3.0	8.0*	2.0	1.5	1.0	0.5	2.0	1.5	1.0	0.5	3.0	8.0*	3.0	8.0*
REPLACEABLE CORE TYPE	RSF-487-T	6.4	4.2	2.5	10.1	**17.5**	6.3	4.1	2.5	1.2	6.1	4.0	2.3	1.2	10.0	**17.3**	12.6	**21.9**
	RSF-489-T	7.8	5.1	3.1	12.2	**21.1**	7.6	5.0	3.0	1.5	7.3	4.8	2.8	1.4	12.0	**20.7**	15.3	**26.4**
	RSF-4811-T	9.4	6.2	3.7	14.8	**25.6**	9.3	6.1	3.6	1.8	8.9	5.8	3.4	1.7	14.6	**25.3**	18.5	**32.0**
	RSF-4813-T	10.1	6.7	4.0	15.9	**27.5**	10.0	6.5	3.9	1.9	9.6	6.2	3.6	1.8	15.7	**27.2**	19.9	**34.4**
	RSF-4817-T	11.0	7.2	4.4	17.2	**29.8**	10.8	7.1	4.2	2.1	10.4	6.8	3.9	2.0	17.0	**29.4**	21.5	**37.3**
	RSF-4821-T	11.9	7.8	4.7	18.6	**32.2**	11.6	7.6	4.6	2.3	11.2	7.3	4.3	2.2	18.4	**31.6**	23.3	**40.3**
	RSF-9611-T	14.5	10.5	6.7	23.8	**39.0**	15.9	11.1	7.1	3.9	14.4	9.8	6.2	3.3	22.9	**37.6**	29.8	**48.8**
	RSF-9613-T	15.2	13.0	8.1	29.7	**49.0**	19.8	13.7	8.7	4.7	17.9	12.2	7.6	4.0	28.6	**47.2**	37.1	**61.3**
	RSF-9617-T	16.1	13.0	8.1	29.7	**49.0**	19.8	13.7	8.7	4.7	17.9	12.2	7.6	4.0	28.6	**47.2**	37.1	**61.3**
	RSF-9621-T	18.7	13.0	8.1	29.7	**50.7**	19.8	13.7	8.7	4.7	17.9	12.2	7.6	4.0	28.9	**49.8**	37.1	**61.3**
	RSF-9625-T	19.2	13.0	8.1	30.0	**51.9**	20.0	13.7	8.7	4.7	17.9	12.2	7.6	4.0	29.7	**51.0**	37.5	**63.4**
	C-30013-G	16.9	11.0	6.7	26.6	**46.0**	16.7	10.9	6.5	3.2	16.0	10.3	6.2	3.1	26.3	**42.8**	33.3	**64.9**
	C-30017-G	17.2	11.1	6.8	27.0	**46.7**	16.9	11.1	6.6	3.3	16.2	10.4	6.3	3.1	26.7	**43.3**	33.8	**58.4**
	C-40017-G	21.0	13.6	8.3	32.9	**56.9**	20.6	13.5	8.1	4.0	19.8	12.8	7.2	3.8	32.4	**52.8**	41.1	**71.1**
	C-40021-G thru C-40033-G	21.0	13.6	8.3	32.9	**56.9**	20.6	13.5	8.1	4.0	19.8	12.8	7.2	3.8	32.4	**52.8**	41.1	**71.1**

*Denotes TEMPORARY INSTALLATION. Cores for system clean-up; RPE-48-BD or RPE-100 Filter Elements should be installed after clean-up.
Rated in accordance with ARI Standard 730.

For a simplified "Quick Selection Guide," request Form 40-109.

Catch-All® THE PERFECT FILTER-DRIER

Significance of the Type Number

The letters and numerals in the Catch-All® type number each have a significance. The "C" indicates Catch-All. The **FIRST TWO OR THREE DIGITS** indicate cubic inches of desiccant. The **LAST ONE OR TWO DIGITS** indicate fitting size in eighths of an inch. For sealed models, a **"-S"** following the last digit indicates solder fittings, and **NO LETTER** indicates a flare fitting. Replaceable core models (C-420 and larger) only have solder connections and the "-S" is omitted. Examples are: C-083 is 8 cu. in. and 3/8" flare, C-309-S is 30 cu. in. and 1-1/8" solder, C-19213-G is 192 cu. in. and 1-5/8" solder.

Other suffix letters indicate special qualities. For example:

"-T" indicates a pressure tap consisting of a Schrader type access valve on the inlet end of the Catch-All.

"-HH" indicates a charcoal style core for wax removal and clean-up after a hermetic motor burnout.

"-F" indicates a female flare outlet fitting with a male flare inlet fitting.

"-FM" indicates a female flare inlet fitting with a male flare outlet fitting.

"-CAP" indicates a Catch-All particularly designed for installation on capillary tube systems.

Replaceable Cores and Pleated Filter Elements – Order Separately

Cores for replaceable core type filter-driers are molded of exactly the same desiccants that are used in the popular sealed filter-driers.

Cores are individually packed in ***metal cans***, fully activated and hermetically sealed against moisture and dirt.

Filter Elements are dried and packed in individual sealed metal cans. This method of packaging prevents the element from picking up moisture from the atmosphere.

Detailed ***instructions*** are printed on each can. Each can contains a ***"triple gasket"*** consisting of a new end plate gasket, an end plate gasket for certain competitive filter-driers and a core gasket where desired. See the specifications on page 40 for the number of cores required for each type drier.

RCW-42 – High Water Capacity Core – Order as separate item – Fits ONLY shell type C-R424, C-R425 and C-R427. **Designed specially for use with POE oils.** This core should be used on systems that have a ruptured water cooled condenser, or that have been exposed to the atmosphere, or for some reason have a high amount of moisture in the system.

RC-4864 – Activated Core – Order as separate item – Fits types C-480 thru C-19200 Series shells and Replaceable Suction Filter (RSF) shells. This is the standard core suitable for most installations in the liquid or suction line applications.

RCW-48 – High Water Capacity Core – Order as separate item – Fits types C-480 thru C-19200 Series shells and Replaceable Suction Filter (RSF) shells. **Designed specially for use with POE oils.** This core should be used on systems that have a ruptured water cooled condenser, or that have been exposed to the atmosphere, or for some reason have a high amount of moisture in the system.

RC-4864-HH – Activated Charcoal Core – Order as separate item – Fits types C-480 thru C-19200 Series shells and Replaceable Suction Filter (RSF) shells. This core should be used for wax removal on low temperature systems, and for clean-up of systems that have had a hermetic motor burnout.

RPE-48-BD – Filter Element – Order as separate item – Fits types C-480 thru C-19200 Series shells and **Replaceable Suction Filter (RSF) shells.** This element should be used in RSF shells installed in the **suction line** to obtain the lowest possible pressure drop. In cleaning up a system after a hermetic motor burnout, cores should be used first. Then after the system is thoroughly clean, this filter element can be installed in the RSF shell.

RC-10098 – Activated Core – Order as separate item – Fits types C-30000 and C-40000 Series shells. This core has a high water capacity and should be used on all standard liquid and suction line applications.

RCW-100 – High Water Capacity Core – Order as separate item – Fits types C-30000 and C-40000 Series shells. **Designed specially for use with POE oils.** This core should be used on systems that have a ruptured water cooled condenser, or that have been exposed to the atmosphere, or for some reason have a high amount of moisture in the system.

RC-10098-HH – Activated Charcoal Core – Order as separate item – Fits types C-30000 and C-40000 Series shells. This core should be used for wax removal on low temperature systems, and for clean-up of systems that have had a hermetic motor burnout.

RPE-100 – Filter Element – Order as separate item – Fits types C-30000 and C40000 Series shells. This filter element should be used in the suction line to obtain the lowest possible pressure drop after cores were used for system clean-up.

HH Style Catch-All for Wax Removal

Small amounts of wax are often a problem on **low temperature systems.** Even well engineered systems frequently contain minute quantities of wax which are sufficient to clog expansion valve screens or cause sticking of the valve. Sporlan has developed a special blend of desiccants including activated charcoal which removes small amounts of wax in the liquid line before this wax can cause trouble at the expansion valve. These Catch-All Filter-Driers have been very successful in correcting trouble jobs in the field.

Select an HH Style Catch-All Filter-Drier if wax problems occur on low temperature systems. In addition to their wax removal ability, these filter-driers will remove all of the other harmful contaminants that the standard filter-driers remove. Listed in the table are various Catch-All models that incorporate the HH style core.

TYPE	CONNECTIONS Inches	TYPE	CONNECTIONS Inches
C-052-HH	1/4 SAE Flare	C-303-HH	3/8 SAE Flare
C-082-HH	1/4 SAE Flare	C-304-HH	1/2 SAE Flare
C-083-HH	3/8 SAE Flare	C-304-S-HH	1/2 ODF Solder
C-162-HH	1/4 SAE Flare	C-305-HH	5/8 SAE Flare
C-163-HH	3/8 SAE Flare	C-305-S-HH	5/8 ODF Solder
C-163-S-HH	3/8 ODF Solder	C-414-HH	1/2 SAE Flare
C-164-HH	1/2 SAE Flare	C-415-HH	5/8 SAE Flare
C-164-S-HH	1/2 ODF Solder	C-417-S-HH	7/8 ODF Solder
C-165-HH	5/8 SAE Flare	RC-4864-HH	Replaceable Core
C-165-S-HH	5/8 ODF Solder	RC-10098-HH	

For dimensions, refer to the specifications for standard filter-driers or consult Bulletin 40-10.