



Liquid Line

Quick Selection Recommendations

SYSTEM SIZE		FIELD REPLACEMENT			
TONS	LINE SIZE Inches OD	AIR CONDITIONING		REFRIGERATION	
		R-12 & R-134a	R-22, R-407C & R-410A*	R-12, R-134a, R-404A, R-502 & R-507	R-22
SEALED TYPES - SPECIFY FLARE OR SOLDER					
1/4 - 1/3	CAP TUBE 1/4	C-032-CAP C-032(-S)	C-032-CAP C-032(-S)	C-032-CAP C-032(-S)	C-032-CAP C-032(-S)
1/2 - 1	1/4	C-052(-S)	C-052(-S)	C-082(-S)	C-082(-S)
	5/16	C-0525-S	C-0525-S	C-0825(-S)	C-0825-S
	3/8	C-053(-S)	C-053(-S)	C-083(-S)	C-083(-S)
1-1/2 - 2-1/2	5/16	C-0825-S	C-0825-S	C-1625-S	C-1625-S
	3/8	C-083(-S)	C-083(-S)	C-163(-S)	C-163(-S)
	1/2	C-084(-S)	C-084(-S)	C-164(-S)	C-164(-S)
3 - 6	5/16	C-1625-S	C-1625-S	—	—
	3/8	C-163(-S)	C-163(-S)	C-303(-S)	C-303(-S)
	1/2	C-164(-S)	C-164(-S)	C-304(-S)	C-304(-S)
	5/8	C-165(-S)	C-165(-S)	C-305(-S)	C-305(-S)
7 - 9	1/2	C-304(-S)	C-304(-S)	C-414(-S)	C-414(-S)
	5/8	C-305(-S)	C-305(-S)	C-415(-S)	C-415(-S)
	7/8	C-307-S	C-307-S	C-417-S	C-417-S
10 - 12	1/2	—	C-414(-S)	—	C-414(-S)
	5/8	C-415(-S)	C-415(-S)	C-415(-S)	C-415(-S)
	7/8	C-417-S	C-417-S	C-417-S	C-417-S
	1-1/8	C-419S	C-419S	C-419-S	C-419-S
13 - 18	5/8	—	C-415(-S)	—	C-415(-S)
	7/8	C-607-S	C-607-S	C-607-S	C-607-S
	1-1/8	C-609-S	C-609-S	C-609-S	C-609-S
REVERSIBLE HEAT PUMP FILTER-DRIER					
1-5	3/8	—	HPC-103-S / HPC-163-S-HH	—	—
	1/2	—	HPC-104-S / HPC-164-S-HH	—	—
	5/8	—	HPC-165-S-HH	—	—
5-16	3/8	—	HPC-303-S-HH / HPC-304-S-HH	—	—
	1/2	—	HPC-305-S-HH / HPC-307-S-HH	—	—
	5/8	—	—	—	—
	7/8	—	—	—	—
REPLACEABLE CORE TYPES					
4 - 9	5/8	C-485-G	C-485-G	C-485-G	C-485-G
	7/8	C-487-G	C-487-G	C-487-G	C-487-G
10 - 15	5/8	—	C-485-G	—	C-485-G
	7/8	C-487-G	C-487-G	C-487-G	C-487-G
	1-1/8	C-489-G	C-489-G	C-489-G	C-489-G
16 - 29	7/8	C-967-G	C-967-G	C-967-G	C-967-G
	1-1/8	C-969-G	C-969-G	C-969-G	C-969-G
	1-3/8	C-9611-G	C-9611-G	C-9611-G	C-9611-G
30 - 39	7/8	—	C-967-G	—	C-967-G
	1-1/8	C-1449-G	C-969-G	C-1449-G	C-969-G
	1-3/8	C-14411-G	C-9611-G	C-14411-G	C-9611-G
40 - 59	1-1/8	C-1449-G	C-1449-G	—	C-1449-G
	1-3/8	C-19211-G	C-14411-G	C-19211-G	C-14411-G
	1-5/8	C-19213-G	C-14413-G	C-19213-G	C-14413-G
60 - 75	1-1/8	—	C-1449-G	—	—
	1-3/8	C-19211-G	C-19211-G	C-19211-G	C-19211-G
	1-5/8	C-19213-G	C-19213-G	C-19213-G	C-19213-G
76 - 99	1-3/8	—	C-19211-G	—	C-19211-G
	1-5/8	C-30013-G	C-19213-G	C-30013-G	C-19213-G
	2-1/8	C-40017-G	C-19217-G	C-40017-G	C-19217-G
100 - 130	1-5/8	—	C-30013-G	—	C-30013-G
	2-1/8	C-40017-G	C-40017-G	C-40017-G	C-40017-G
131 - 150	2-1/8	(2) C-30017-G	C-40017-G	(2) C-30017-G	C-40017-G



CATCH-ALL SIZE	NO. OF CORES	SECONDARY FILTER	CORE TYPE
C-R420 Series Shell	1	—	RCW-42
C-480 Series Shell	1	FS-480	RCW-48, RC-4864, or RC-4864-HH
C-960 Series Shell	2	FS-960	
C-14400 Series Shell	3	FS-1440	
C-19200 Series Shell	4	FS-19200	RCW-100, RC-10098, or RC-10098-HH
C-30000 Series Shell	3	—	
C-40000 Series Shell	4	—	

*C-30000 and C-40000 Series shells are not approved for R-410A.

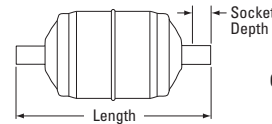
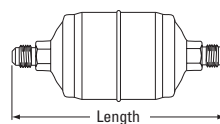


Catch-All®

Sealed Type Specifications



Type C-032 through C-609-S-T-HH
Maximum Rated Pressure of 650 psi



Liquid Line and Suction Line

Inches • lb

"C" SERIES LIQUID LINE TYPE		SUCTION LINE TYPE	CONNECTION SIZE Inches	VOLUME OF DESSICANT Cu. In.	OVERALL LENGTH Inches		SOLDER SOCKET DEPTH Inches	DIAMETER of BODY Inches	SHIPPING WEIGHT lb
SAE Flare	ODF Solder	ODF Solder			SAE Flare	ODF Solder			
C-032	C-032-S	—	1/4	3	4.24	3.78	0.37	1.75	1/2
—	C-032-CAP C-032-CAP-T	—	Extended 1/4 Male		—	5.78	—		
C-032-F	—	—	1/4 Male - Inlet 1/4 Female - Outlet		3.93	—	—		
C-032-FM	—	—	1/4 Female - Inlet 1/4 Male - Outlet		3.93	—	—		
C-033	C-033-S	—	3/8		4.68	3.92	0.44		
C-052	C-052-S	—	1/4	5	4.72	4.26	0.37	2.44	3/4
—	C-0525-S	—	5/16		—	4.40	0.44		
C-052-F	—	—	1/4 Male - Inlet 1/4 Female - Outlet		4.41	—	—		
C-052-FM	—	—	1/4 Female - Inlet 1/4 Male - Outlet		4.41	—	—		
C-053	C-053-S	—	3/8		5.16	4.40	0.44		
C-082	C-082-S	—	1/4	9	5.62	5.16	0.38	2.62	1-1/4
—	C-0825-S	—	5/16		—	5.30	0.44		
C-083	C-083-S	C-083-S-T-HH	3/8		6.06	5.30	0.44		
C-084	C-084-S	C-084-S-T-HH	1/2		6.32	5.42	0.50		
C-162	C-162-S	—	1/4		6.28	5.82	0.38		
—	C-1625-S	—	5/16	16	—	5.96	0.44	3.00	1-3/4
C-163	C-163-S	—	3/8		6.72	5.96	0.44		
C-164	C-164-S	C-164-S-T-HH	1/2		6.98	6.08	0.50		
C-165	C-165-S	C-165-S-T-HH	5/8		7.28	6.32	0.62		
—	—	C-166-S-T-HH	3/4		—	6.77	0.62		
—	C-167-S	C-167-S-T-HH	7/8	30	—	6.92	0.75	3.00	3-1/2
C-303	C-303-S	—	3/8		9.62	8.86	0.44		
C-304	C-304-S	—	1/2		9.88	8.98	0.50		
C-305	C-305-S	C-305-S-T-HH	5/8		10.18	9.22	0.62		
—	C-306-S	C-306-S-T-HH	3/4		—	9.67	0.62		
—	C-307-S	C-307-S-T-HH	7/8	41	—	9.82	0.75	3.50	4-1/2
—	C-309-S	C-309-S-T-HH	1-1/8		—	9.77	0.91		
C-413	—	—	3/8		9.61	—	—		
C-414	C-414-S	—	1/2		9.88	8.98	0.50		
C-415	C-415-S	—	5/8		10.18	9.22	0.62		
—	C-417-S	C-417-S-T-HH	7/8	48	—	9.82	0.75	4.75	8
—	C-419-S	C-419-S-T-HH	1-1/8		—	9.77	0.91		
—	—	C-437-S-T-HH	7/8		—	10.34	0.75		
—	—	C-439-S-T-HH	1-1/8		—	10.74	0.91		
—	—	C-4311-S-T-HH	1-3/8		—	10.94	0.97		
—	—	C-4313-S-T-HH	1-5/8	60	—	10.94	1.09	3.00	6
—	C-607-S	C-607-S-T-HH	7/8		—	15.93	0.75		
—	C-609-S	C-609-S-T-HH	1-1/8		—	15.85	0.91		

cUL_{US} Listed — Guide-SMGT-File No. SA-1756A & B.

SIGNIFICANCE OF THE TYPE NUMBER

The letters and numerals in the Catch-All type number each have a significance.

C indicates Catch-All.

FIRST TWO DIGITS indicate the cubic inches of desiccant in the given drier size.

LAST ONE OR TWO DIGITS indicates the fitting size in eighths of an inch. For example: a "3" indicates 3/8" fitting size; a "25" indicates a 5/16" fitting size.

NO LETTER following the last digit indicates an SAE flare fitting.

-S following the last digit indicates an ODF solder fitting. Other suffix letters indicate special qualities.

Examples:

-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.

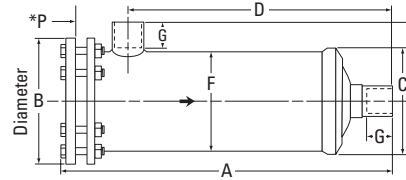
-CAP indicates a Catch-All particularly designed for installation on capillary tube systems. The fittings (a 1/4" OD copper tube brazed into each end of the Catch-All) permit inserting the capillary tube into this 1/4" tube, pinching down, and soldering to make the connections.

Catch-All®

Replaceable Core Type Specifications



Type C-R424-G through C-R427-G
Type C-485-G through C-40033-G
Type C-484-P through C-40016-P



c US
LISTED

Liquid Line

Inches • lb

TYPE	CONNECTION SIZE Inches ODF Solder	OPTIONAL SECONDARY FILTER **	NO. OF CORES OR FILTER ELEMENTS	CORE PART NUMBER	VOLUME OF DESSICANT Cu. In.	FILTER ELEMENT PART NUMBER	MOUNTING BRACKETS	SHELL DIMENSIONS Inches								SHIPPING WEIGHT lb
								A	B	C	D	E	F	G	*P	
C-R424-G C-R425-G C-R427-G	1/2 5/8 7/8	—	1	RCW-42	42	—	A-175-1	9.00 9.12 9.41	4.75	—	6.79 6.91 7.21	2.61 2.73 3.02	3.50	.50 .62 .75	6.50	6-1/2

C-R420 Series have a maximum rated pressure of 650 psi.

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	9.14 9.29 9.49 9.59 9.59	6.00	4.98	5.92 6.07 6.27 6.36 6.37	3.50 3.97 4.19 4.31 4.32	4.75	.50 .75 .91 .97 1.09	7.50	12
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	14.83 15.03 15.13 15.13	6.00	4.98	11.61 11.80 11.91 11.90	3.97 4.19 4.31 4.32	4.75	.75 .91 .97 1.09	13.00	16
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	20.57 20.67 20.67	6.00	4.98	17.45 17.44 17.57	4.19 4.31 4.32	4.75	.91 .97 1.09	18.62	20
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	26.21 26.21 26.21	6.00	4.98	22.99 22.99 22.41	4.31 4.32 4.41	4.75	.97 1.09 1.36	24.25	23

C-480 through C-19200 Series (including NPT pipe connections) have a maximum rated pressure of 650 psi.

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	27.83 27.89	7.50	6.25	23.88 24.00	5.12 5.32	6.00	1.12 1.38	25.62	40
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	34.42 35.15 34.92 34.92 34.98	7.50	6.25	30.50 30.56 29.81 30.06 29.81	5.31 5.75 5.69 5.75 5.81	6.00	1.38 1.50 1.75 1.53 1.53	32.12	47 47 47 49 49

C-30000 & C-40000 Series (including the C-40016-P) have a maximum rated pressure of 500 psi.

NPT PIPE CONNECTIONS																
C-484-P C-966-P C-1448-P C-19212-P	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	6.00	5.00	5.85 11.44 17.19 22.62	3.41 3.48 3.66 3.76	4.75	—	7.50 13.00 18.62 24.25	12 16 20 23
C-40016-P	2	—	4	RCW-100 RC-10098, or RC-10098-HH	400	RPE-100	A-175-2	34.44	7.50	6.25	30.38	4.38	6.00	—	32.12	51

c Listed — Guide-SMGT-File No. SA-1756.

* "P" Dimension is the pull space required to change core.

** 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.

SIGNIFICANCE OF THE TYPE NUMBER SUFFIX

The letters in the Catch-All type number each have a significance.

-G indicates unit is supplied with 1/4" female pipe connection in the flange plate and pipe plug. If the unit is intended for liquid line service an angle charging valve for system charging purposes can be installed in place of the pipe plug. If the unit is

used in the suction line for clean-up after burnout, then insert a Schrader type access valve to serve as a pressure tap. Angle charging and Schrader type access valves are available from your Sporlan wholesaler. NOTE: Catch-All shells with plain flange plate

are available as a non-catalog option with a minimum order requirement.

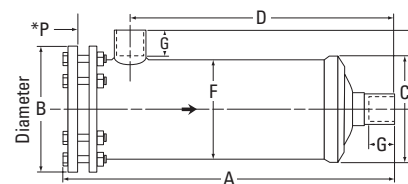
-P indicates female threaded pipe connections.



Replaceable Core Type Specifications



Type C-R424-G through C-R427-G
Type C-485-G through C-40033-G
Type C-484-P through C-40016-P



Liquid Line

mm • kg

TYPE	CONNECTION SIZE Inches ODF Solder	OPTIONAL SECONDARY FILTER **	NO. OF CORES OR FILTER ELEMENTS	CORE PART NUMBER	VOLUME OF DESSICANT cm ³	FILTER ELEMENT PART NUMBER	MOUNTING BRACKETS	SHELL DIMENSIONS mm								SHIPPING WEIGHT kg
								A	B	C	D	E	F	G	*P	
C-R424-G	1/2	—	1	RCW-42	688	—	A-175-1	229	121	—	172	66	71	13	13	3.0
C-R425-G	5/8	—	1	RCW-42	688	—	A-175-1	232	121	—	176	69	71	16	13	3.0
C-R427-G	7/8	—	1	RCW-42	688	—	A-175-1	239	121	—	183	77	71	19	13	3.0

C-R420 Series have a maximum rated pressure of 44.8 bar.

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	787	RPE-48-BD	A-685	232 236 241 244 244	152	126	150 154 159 162 162	89 94 96 100 101	121	13 19 23 25 28	191	5.5
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		1573	RPE-48-BD	A-685	377 382 384 384	152	126	295 300 303 302	94 96 100 101	121	19 23 25 28	330	7.3
C-1449-G C-14411-G C-14413-G	1-1/8 1-3/8 1-5/8	FS-1440	3		2360	RPE-48-BD	A-685	522 525 525	152	126	443 443 443	106 109 110	121	23 25 28	473	9.1
C-19211-G C-19213-G C-19217-G	1-3/8 1-5/8 2-1/8	FS-19200	4		3146	RPE-48-BD	A-685	666 666 666	152	126	584 584 570	109 110 112	121	25 28 35	616	10.5

C-480 through C-19200 Series (including NPT pipe connections) have a maximum rated pressure of 44.8 bar.

C-30013-G C-30017-G	1-5/8 2-1/8	—	3	RCW-100, RC-10098, or RC-10098-HH	4916	RPE-100	A-175-2	707 708	191	159	607 610	130 135	152	28 35	651	18.2
C-40017-G C-40021-G	2-1/8 2-5/8	—	4		6555	RPE-100	A-175-2	874 893			775 776	135 146		35 38		21.4 21.4
C-40025-G	3-1/8							887	191	159	757	145	152	44	816	21.4
C-40029-G	3-5/8							887			764	146		39		22.3
C-40033-G	4-1/8							888			757	148		39		22.3

C-30000 & C-40000 Series (including the C-40016-P) have a maximum rated pressure of 34.5 bar.

NPT PIPE CONNECTIONS																
C-484-P	1/2	—	1	RCW-48, RC-4864, or RC-4864-HH	787	RPE-48-BD	A-685	231	152	127	149	87	121	—	191	5.5
C-966-P	3/4		2		1573			373			291	88			330	7.3
C-1448-P	1		3		2360			519			437	93			473	9.1
C-19212-P	1-1/2		4		3146			657			575	96			616	10.5
C-40016-P	2	—	4	RCW-100 RC-10098, or RC-10098-HH	6555	RPE-100	A-175-2	875	191	159	772	111	152	—	816	23.2

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* "P" Dimension is the pull space required to change core.

** 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.



Cores / Elements

REPLACEABLE CORES AND 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 endplate gasket, an endplate gasket for certain competitive filter-driers, and a core gasket where desired. See the specifications on pages 24 and 25 for the number of cores required for each type filter-drier.

RCW-42

High Water Capacity Core — Order as separate item—Fits ONLY shell types C-R424-G, C-R425-G, and C-R427-G. **Designed specially for use with POE lubricants.** 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 traditional core suitable for liquid and suction line applications in mineral oil systems.

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 lubricants.** 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 a 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 after cores were used for system clean-up.

FS - SECONDARY FILTERS

Core Filter Element — Order as a separate item—Fits types C-480 thru C-19200 Series shells. 25 micron filter is ideal during system commissioning or clean-up. Do not use on suction line.

RC-10098

Activated Core — Order as separate item—Fits types C-30000 and C-40000 Series shells. This is the traditional core suitable for liquid and suction line applications in mineral oil systems.

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 lubricants.** 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 a separate item—Fits types C-30000 and C-40000 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.

Sporlan cores and filter elements can replace drier shells made by most other filter-drier manufacturers.



Cores / Elements

Unit Net Weights and Carton Shipping Weights

PART NUMBER	NUMBER PER CARTON	NET WEIGHT Each		SHIPPING WEIGHT		CORE DIMENSIONS O.D. x Length	
		lb	kg	lb	kg	Inches	mm
REPLACEABLE CORES							
RCW-42	10	1.5	0.7	19	8.6	3.18 x 6.00	81 x 152
RC-4864 RCW-48 RC-4864-HH	12	1.9	0.9	28	12.7	3.74 x 5.50	95 x 140
RC-10098 RCW-100 RC-10068-HH	6	4.2	1.9	28	12.7	4.80 x 6.47	122 x 164
FILTER ELEMENTS							
RPE-48-BD	12	0.8	0.4	13	5.9	3.70 x 5.50	94 x 140
RPE-100	6	1.1	0.5	9	4.1	4.80 x 6.47	122 x 164
SECONDARY FILTERS							
FS-480	36	0.2	0.09	5.8	2.6	1.60 x 5.37	41 x 136
FS-960	36	0.2	0.09	8.6	3.9	1.60 x 10.90	41 x 277
FS-1440	24	0.3	0.14	8.2	3.7	1.60 x 16.44	41 x 418
FS-19200	25	0.4	0.18	11	5.0	1.60 x 21.97	41 x 558



Liquid Line

Ratings and Selection Recommendations

Replaceable Core Type – Refrigerant 134a



134a

For suction line
filter-driers
see page 34

For sealed model
Catch-Alls
see page 10

TYPE	SURFACE FILTERING AREA		RATINGS AT AHRI STANDARD CONDITIONS				SELECTION RECOMMENDATIONS (Tons)		
			WATER CAPACITY DROPS AT 50 PPM		REFRIGERANT FLOW CAPACITY		REFRIGERATION	AIR CONDITIONING	
	Sq. Inch	cm²	75°F 25°C	125°F 50°C	Tons at 1 psi ΔP	kW at 0.07 bar ΔP	Commercial & Low Temperature Equipment	O.E.M. Self Contained	Field Replacement or Field Built-Up Systems
RCW-42 (High Water Capacity Core)									
C-R424-G	67	432	981	706	10.4	36.5	3	5	5
C-R425-G					12.5	43.9	5	10	7-1/2
C-R427-G					16.9	59.3			
RCW-48 or RCW-100 (High Water Capacity Cores)									
C-485-G	64	413	1201	868	13.4	47.0	7-1/2	10	7-1/2
C-487-G					21.9	76.9	12	15	12
C-489-G					39.5	138.6	12	25	15
C-967-G	128	826	2402	1736	35.9	126.0	20	30	20
C-969-G					44.5	156.2	25	35	25
C-1449-G	192	1239	3603	2604	54.1	189.9	30	40	30
C-14411-G					61.3	215.2	40	50	40
C-19211-G	256	1652	4804	3472	77.3	271.3	50	60	50
C-19213-G					90.6	318.0	60	80	60
C-19217-G					95.1	333.8	65	80	65
C-30013-G	294	1897	7375	5310	102	358.0	75	110	75
C-40017-G	392	2529	9833	7080	132	463.3	110	130	110
RC-4864 or RC-10098 (Standard Cores)									
C-485-G	64	413	583	473	13.4	47.0	7-1/2	10	7-1/2
C-487-G					21.9	76.9	12	15	12
C-489-G					39.5	138.6	12	25	15
C-967-G	128	826	1166	946	35.9	126.0	20	30	20
C-969-G					44.5	156.2	25	35	25
C-1449-G	192	1239	1749	1419	54.1	189.9	30	40	30
C-14411-G					61.3	215.2	40	50	40
C-19211-G	256	1652	2332	1892	77.3	271.3	50	60	50
C-19213-G					90.6	318.0	60	80	60
C-19217-G					95.1	333.8	65	80	65
C-30013-G	294	1897	3912	3009	102	358.0	75	110	75
C-40017-G	392	2529	5216	4012	132	463.3	110	130	110

NOTES: The variation in flow ratings of filter-driers having the same size core and shell is caused by the difference in connection sizes used. Installing the secondary filter in C-480 through C-19200 Series shells reduces the flow capacity by approximately 5 percent. R-12 water capacity values are approximately 15 percent greater than R-134a values.



Liquid Line

Ratings and Selection Recommendations

Replaceable Core Type – Refrigerant 22

TYPE	SURFACE FILTERING AREA		RATINGS AT AHRI STANDARD CONDITIONS				SELECTION RECOMMENDATIONS (Tons)		
			WATER CAPACITY DROPS AT 60 PPM		REFRIGERANT FLOW CAPACITY		REFRIGERATION	AIR CONDITIONING	
	Sq. Inch	cm ²	75°F 25°C	125°F 50°C	Tons at 1 psi ΔP	kW at 0.07 bar ΔP	Commercial & Low Temperature Equipment	O.E.M. Self Contained	Field Replacement or Field Built-Up Systems
RCW-42 (High Water Capacity Core)									
C-R424-G	67	432	902	735	11.4	40.0	5	7-1/2	5
C-R425-G					13.7	48.1	7-1/2	15	10
C-R427-G					18.5	64.9			
RCW-48 or RCW-100 (High Water Capacity Cores)									
C-485-G	64	413	1109	904	14.6	51.2	10	15	10
C-487-G					23.9	83.9	15	20	15
C-489-G					43.2	151.6	15	30	20
C-967-G	128	826	2218	1808	39.2	137.6	25	35	25
C-969-G					48.7	170.9	35	40	35
C-1449-G	192	1239	3327	2712	59.2	207.8	40	50	40
C-14411-G					67.0	235.2	50	60	50
C-19211-G	256	1652	4436	3616	84.5	296.6	70	80	70
C-19213-G					99.0	347.5	80	100	80
C-19217-G					104	365.0	85	100	85
C-30013-G	294	1897	6786	5532	112	393.1	100	125	100
C-40017-G	392	2529	9048	7376	134	470.3	130	150	130
RC-4864 or RC-10098 (Standard Cores)									
C-485-G	64	413	347	288	14.6	51.2	10	15	10
C-487-G					23.9	83.9	15	20	15
C-489-G					43.2	151.6	15	30	20
C-967-G	128	826	694	576	39.2	137.6	25	35	25
C-969-G					48.7	170.9	35	40	35
C-1449-G	192	1239	1041	864	59.2	207.8	40	50	40
C-14411-G					67.0	235.2	50	60	50
C-19211-G	256	1652	1388	1152	84.5	296.6	70	80	70
C-19213-G					99.0	347.5	80	100	80
C-19217-G					104	365.0	85	100	85
C-30013-G	294	1897	2670	1878	112	393.1	100	125	100
C-40017-G	392	2529	3560	2504	134	470.3	130	150	130

NOTE: The variation in flow ratings of filter-driers having the same size core and shell is caused by the difference in connection sizes used. Installing the secondary filter in C-480 through C-19200 Series shells reduces the flow capacity by approximately 5 percent.



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For suction line
filter-driers
see page 34

For sealed model
Catch-Alls
see page 10



Liquid Line

Ratings and Selection Recommendations

Replaceable Core Type – Refrigerant 404A & 507



404A & 507

TYPE	SURFACE FILTERING AREA		RATINGS AT AHRI STANDARD CONDITIONS				SELECTION RECOMMENDATIONS (Tons)		
			WATER CAPACITY DROPS AT 60 PPM		REFRIGERANT FLOW CAPACITY		REFRIGERATION	AIR CONDITIONING	
	Sq. Inch	cm ²	75°F 25°C	125°F 50°C	Tons at 1 psi ΔP	kW at 0.07 bar ΔP	Commercial & Low Temperature Equipment	O.E.M. Self Contained	Field Replacement or Field Built-Up Systems
RCW-42 (High Water Capacity Core)									
C-R424-G	67	432	1049	853	7.6	26.7	5	7-1/2	7-1/2
C-R425-G					9.1	31.9	5	7-1/2	7-1/2
C-R427-G					12.4	43.5			
RCW-48 or RCW-100 (High Water Capacity Cores)									
C-485-G	64	413	1290	1049	9.8	34.4	7-1/2	10	7-1/2
C-487-G					16.0	56.2	10	12	10
C-489-G					28.9	101.4	10	20	10
C-967-G	128	826	2580	2098	26.2	92.0	15	20	15
C-969-G					32.6	114.4	25	30	25
C-1449-G	192	1239	3870	3147	39.7	139.3	30	35	30
C-14411-G					44.8	157.2	35	40	35
C-19211-G	256	1652	5160	4196	56.3	197.6	50	50	50
C-19213-G					66.2	232.4	55	60	55
C-19217-G					69.5	243.9	60	65	60
C-30013-G	294	1897	7890	6417	74.5	261.5	70	80	70
C-40017-G	392	2529	10520	8556	96.8	339.8	100	125	100
RC-4864 or RC-10098 (Standard Cores)									
C-485-G	64	413	408	309	9.8	34.4	7-1/2	10	7-1/2
C-487-G					16.0	56.2	10	12	10
C-489-G					28.9	101.4	10	20	10
C-967-G	128	826	816	618	26.2	92.0	15	20	15
C-969-G					32.6	114.4	25	30	25
C-1449-G	192	1239	1224	927	39.7	139.3	30	35	30
C-14411-G					44.8	157.2	35	40	35
C-19211-G	256	1652	1632	1236	56.3	197.6	50	50	50
C-19213-G					66.2	232.4	55	60	55
C-19217-G					69.5	243.9	60	65	60
C-30013-G	294	1897	2631	1992	74.5	261.5	70	80	70
C-40017-G	392	2529	3508	2656	96.8	339.8	100	125	100

NOTE: The variation in flow ratings of filter-driers having the same size core and shell is caused by the difference in connection sizes used. Installing the secondary filter in C-480 through C-19200 Series shells reduces the flow capacity by approximately 5 percent. R-502 water capacities are similar to R-404A and R-507.

For suction line
filter-driers
see page 34

For sealed model
Catch-Alls
see page 10



Liquid Line

Ratings and Selection Recommendations

Replaceable Core Type – Refrigerant 407A

TYPE	SURFACE FILTERING AREA		RATINGS AT AHRI STANDARD CONDITIONS				SELECTION RECOMMENDATIONS (Tons)		
			WATER CAPACITY DROPS AT 60 PPM		REFRIGERANT FLOW CAPACITY		REFRIGERATION	AIR CONDITIONING	
	Sq. Inch	cm ²	75°F 25°C	125°F 50°C	Tons at 1 psi ΔP	kW at 0.07 bar ΔP	Commercial Low Temperature Equipment	O.E.M. Self Contained	Field Replacement or Field Built-Up Systems
RCW-42 (High Water Capacity Core)									
C-R424-G	67	432	760	245	9.9	34.8	5	7-1/2	5
C-R425-G					11.9	41.8	7-1/2	15	10
C-R427-G					16.1	56.5			
RCW-48 or RCW-100 (High Water Capacity Cores)									
C-485-G	64	413	728	535	12.7	44.6	10	15	10
C-487-G					20.8	73.0	15	20	15
C-489-G					37.6	132.0	15	30	20
C-967-G	128	826	1455	1071	34.1	119.7	25	35	25
C-969-G					42.4	148.8	35	40	35
C-1449-G	192	1239	2183	1606	51.5	180.8	40	50	40
C-14411-G					58.3	204.6	50	60	50
C-19211-G	256	1652	2910	2142	73.5	258.0	70	80	70
C-19213-G					86.2	302.6	80	100	80
C-19217-G					90.5	317.7	85	100	85
C-30013-G	294	1897	4724	3476	97.1	340.8	100	125	100
C-40017-G	392	2529	6299	4635	126.0	442.3	130	150	130



407A

Replaceable Core Type – Refrigerant 407C

TYPE	SURFACE FILTERING AREA		RATINGS AT AHRI STANDARD CONDITIONS				SELECTION RECOMMENDATIONS (Tons)		
			WATER CAPACITY DROPS AT 60 PPM		REFRIGERANT FLOW CAPACITY		REFRIGERATION	AIR CONDITIONING	
	Sq. Inch	cm ²	75°F 25°C	125°F 50°C	Tons at 1 psi ΔP	kW at 0.07 bar ΔP		Commercial Low Temperature Equipment	O.E.M. Self Contained
RCW-42 (High Water Capacity Core)									
C-R424-G	67	432	760	245	10.5	36.9	5	7-1/2	5
C-R425-G					12.5	43.9	7-1/2	15	10
C-R427-G					17.0	59.7			
RCW-48 or RCW-100 (High Water Capacity Cores)									
C-485-G	64	413	934	301	13.5	47.4	10	15	10
C-487-G					22.0	77.2	15	20	15
C-489-G					39.8	139.7	15	30	20
C-967-G	128	826	1868	602	36.1	126.7	25	35	25
C-969-G					44.8	157.2	35	40	35
C-1449-G	192	1239	2802	903	54.6	191.6	40	50	40
C-14411-G					61.7	216.6	50	60	50
C-19211-G	256	1652	3736	1204	77.7	272.7	70	80	70
C-19213-G					91.1	319.8	80	100	80
C-19217-G					95.7	335.9	85	100	85
C-30013-G	294	1897	5716	1844	103	361.5	100	125	100
C-40017-G	392	2529	7621	2458	133	466.8	130	150	130

407C

For suction line
filter-driers
see page 34

For sealed model
Catch-Alls
see page 10



Liquid Line

Ratings and Selection Recommendations

Replaceable Core Type – Refrigerant 407F

TYPE	SURFACE FILTERING AREA		RATINGS AT AHRI STANDARD CONDITIONS				SELECTION RECOMMENDATIONS (Tons)		
			WATER CAPACITY DROPS AT 60 PPM		REFRIGERANT FLOW CAPACITY		REFRIGERATION	AIR CONDITIONING	
	Sq. Inch	cm ²	75°F 25°C	125°F 50°C	Tons at 1 psi ΔP	kW at 0.07 bar ΔP	Commercial Low Temperature Equipment	O.E.M. Self Contained	Field Replacement or Field Built-Up Systems
RCW-42 (High Water Capacity Core)									
C-R424-G	67	432	760	245	10.9	38.3	5	7-1/2	5
C-R425-G					13.1	46.0	7-1/2	15	10
C-R427-G					17.7	62.1			
RCW-48 or RCW-100 (High Water Capacity Cores)									
C-485-G	64	413	480	357	14.1	49.5	10	15	10
C-487-G					22.9	80.4	15	20	15
C-489-G					41.4	145.3	15	30	20
C-967-G	128	826	961	714	37.6	132.0	25	35	25
C-969-G					46.7	163.9	35	40	35
C-1449-G	192	1239	1441	1071	56.8	199.4	40	50	40
C-14411-G					64.3	225.7	50	60	50
C-19211-G	256	1652	1922	1420	81.0	284.3	70	80	70
C-19213-G					95.0	333.5	80	100	80
C-19217-G					99.7	349.9	85	100	85
C-30013-G	294	1897	3119	2318	107.0	375.6	100	125	100
C-40017-G	392	2529	4160	3090	139.0	487.9	130	150	130

Replaceable Core Type – Refrigerant 410A

TYPE	SURFACE FILTERING AREA		RATINGS AT AHRI STANDARD CONDITIONS				SELECTION RECOMMENDATIONS (Tons)		
			WATER CAPACITY DROPS AT 60 PPM		REFRIGERANT FLOW CAPACITY		REFRIGERATION	AIR CONDITIONING	
	Sq. Inch	cm ²	75°F 25°C	125°F 50°C	Tons at 1 psi ΔP	kW at 0.07 bar ΔP	Commercial Low Temperature Equipment	O.E.M. Self Contained	Field Replacement or Field Built-Up Systems
RCW-42 (High Water Capacity Core)									
C-R424-G	67	432	407	305	11.2	39.3	5	7-1/2	5
C-R425-G					13.4	47.0	7-1/2	15	10
C-R427-G					18.1	63.5			
RCW-48 or RCW-100 (High Water Capacity Cores)									
C-485-G	64	413	481	361	14.3	50.2	10	15	10
C-487-G					23.3	81.8	15	20	15
C-489-G					42.2	148.1	15	30	20
C-967-G	128	826	962	722	38.3	134.4	25	35	25
C-969-G					47.5	166.7	35	40	35
C-1449-G	192	1239	1443	1083	57.9	203.2	40	50	40
C-14411-G					65.4	229.6	50	60	50
C-19211-G	256	1652	1924	1444	82.4	289.2	70	80	70
C-19213-G					96.6	339.1	80	100	80
C-19217-G					101	354.5	85	100	85

NOTE: The variation in flow ratings of filter-driers having the same size core and shell is caused by the difference in connection sizes used. Installing the secondary filter in C-480 through C-19200 Series shells reduces the flow capacity by approximately 5 percent.

407F

410A

For suction line
filter-driers
see page 34

For sealed model
Catch-Alls
see page 10