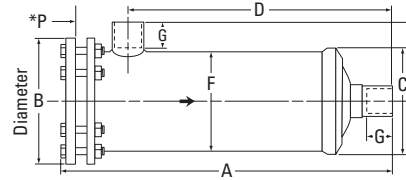


Catch-All®

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	1/2	—	1	RCW-42	42	—	A-175-1	9.00			6.79	2.61		.50		6-1/2
C-R425-G	5/8							9.12	4.75		6.91	2.73	3.50	.62	6.50	
C-R427-G	7/8							9.41			7.21	3.02		.75		

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	1-5/8	—	3	RCW-100, RC-10098, or RC-10098-HH	300	RPE-100	A-175-2	27.83	7.50	6.25	23.88	5.12	6.00	1.12	25.62	40
C-30017-G	2-1/8							27.89			24.00	5.32		1.38		
C-40017-G	2-1/8	—	4		400	RPE-100	A-175-2	34.42	7.50	6.25	30.50	5.31	6.00	1.38	32.12	47
C-40021-G	2-5/8							35.15			30.56	5.75		1.50		
C-40025-G	3-1/8							34.92			29.81	5.69		1.75		
C-40029-G	3-5/8							34.92			30.06	5.75		1.53		
C-40033-G	4-1/8							34.98			29.81	5.81		1.53		

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

NPT PIPE CONNECTIONS																
C-484-P	1/2	—	1	RCW-48, RC-4864, or RC-4864-HH	48	RPE-48-BD	A-685	9.08			5.85	3.41			7.50	12
C-966-P	3/4		2		96			14.67			11.44	3.48			13.00	16
C-1448-P	1		3		144			20.42	6.00	5.00	17.19	3.66	4.75		18.62	20
C-19212-P	1-1/2		4		192			25.85			22.62	3.76			24.25	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.

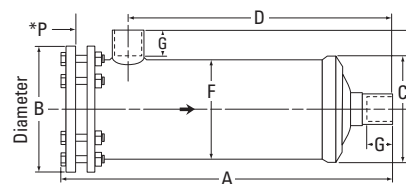
-P indicates female threaded pipe connections.



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	5/8	FS-480	1	RCW-48, RC-4864, or RC-4864-HH	787	RPE-48-BD	A-685	232	152	126	150	89	121	13	191	5.5
C-487-G	7/8							236			154	94		19		
C-489-G	1-1/8							241			159	96		23		
C-4811-G	1-3/8							244			162	100		25		
C-4813-G	1-5/8							244			162	101		28		
C-967-G	7/8	FS-960	2		1573	RPE-48-BD	A-685	377	152	126	295	94	121	19	330	7.3
C-969-G	1-1/8							382			300	96		23		
C-9611-G	1-3/8							384			303	100		25		
C-9613-G	1-5/8							384			302	101		28		
C-1449-G	1-1/8	FS-1440	3		2360	RPE-48-BD	A-685	522	152	126	443	106	121	23	473	9.1
C-14411-G	1-3/8							525			443	109		25		
C-14413-G	1-5/8							525			443	110		28		
C-19211-G	1-3/8	FS-19200	4		3146	RPE-48-BD	A-685	666	152	126	584	109	121	25	616	10.5
C-19213-G	1-5/8							666			584	110		28		
C-19217-G	2-1/8							666			570	112		35		

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 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		6555	RPE-100	A-175-2	874 893 887 887 888	191	159	775 776 757 764 757	135 146 145 146 148	152	35 38 44 39 39	816	21.4 21.4 21.4 22.3 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

cUL_{us} 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.



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.



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	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	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.



22

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	Field Replacement or Field Built-Up Systems
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