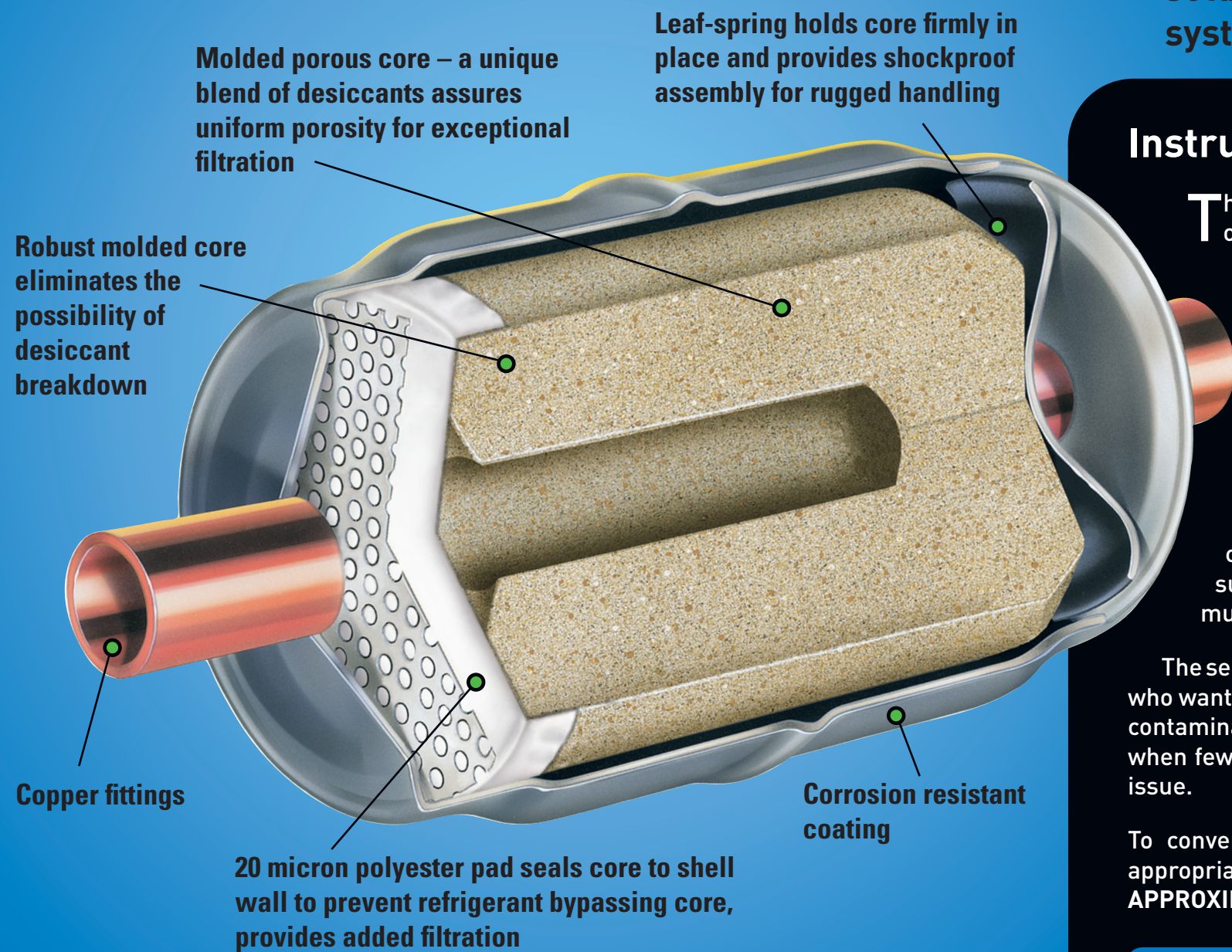


SPORLAN Catch-All®

it's the core that counts!

- Exceptional water, acid and contaminant removal abilities
- Compatible with mineral oil, alkylbenzene and polyolester lubricants
- Compatible with CFC, HCFC and HFC refrigerants – including R-410A
- Molded core offers a simple solution for today's complex systems



Instructions for Using the Tables

The tables aid in selecting the proper size Catch-All or Replaceable Suction Filter (RSF) shell for most applications. When cores are used in the RSF shell, a 100 mesh screen (p/n: 6171-5) is required. The cores may need to be changed several times to remove all the acid, moisture and other contaminants. After clean-up, the screen must be removed and a RPE-48-BD Filter Element(s) installed for the lowest possible pressure drop.

Always check the pressure drop across the cores during the first few hours of operation. Replace the cores as necessary to minimize pressure drop in the suction line. Numbers in parenthesis indicate where multiple drier shells should be piped in parallel.

The second table below is another alternative for a technician who wants the maximum amount of desiccant for an extremely contaminated system. Selecting one of these shells is ideal when fewer core change-outs are desired and space is not an issue.

To convert Horsepower to TONS, multiply a rating by the appropriate factor in the table below. These factors are APPROXIMATE and are the same for all common refrigerants.

EVAPORATOR TEMPERATURE	40°F	20°F	0°F	-20°F	-40°F
FACTOR	0.9	0.65	0.5	0.35	0.25

SYSTEMS REQUIRING THE MAXIMUM AMOUNT OF DESICCANT

TYPE	SUCTION LINE SIZE	SYSTEM CAPACITY IN HORSEPOWER	
		CORE CHANGE OUT, THEN RPE-100 ELEMENTS	
		REFRIGERANTS	
		12, 134a, 404A, 502 & 507	22 & 407C
C-30013-G	1-5/8		
C-30017-G	2-1/8	25	50
C-40017-G	2-1/8		
C-40021-G	2-5/8		
C-40025-G	3-1/8	30	60
C-40029-G	3-5/8		
C-40033-G	4-1/8		

MAXIMUM RECOMMENDED PRESSURE DROP – PSI FOR SUCTION LINE FILTER-DRIERS

SYSTEM	PERMANENT INSTALLATION		TEMPORARY INSTALLATION	
	REFRIGERANTS			
	22, 404A, 407C, 410A, 502 & 507	12 & 134a	22, 404A, 407C, 410A, 502 & 507	12 & 134a
Air Conditioning	3	2	8	6
Commercial	2	1-1/2	4	3
Low Temperature	1	1/2	2	1

Replaceable Core Secondary Filter

The Catch-All with secondary filter is the only design in the industry that cleans microscopic particles down to 20 microns—reducing compressor down time and potential equipment failure.



OPTIONAL SECONDARY FILTER – ORDER SEPARATELY		
FILTER PART NUMBER	DESCRIPTION	QUANTITY REQUIRED
FS-480	Filter for C-480 Series Shell	1
FS-960	Filter for C-960 Series Shell	1
FS-1440	Filter for C-1440 Series Shell	1
FS-19200	Filter for C-19200 Series Shell	1

Liquid Line & Suction Line Selection Guide

for Clean-up after Hermetic Motor Burnout and for Field Installation

AIR CONDITIONING SYSTEMS

SYSTEM SIZE HORSEPOWER	LINE SIZE	SUCTION LINE SELECTION		LINE SIZE	LIQUID LINE SELECTION
		FOR RSF MODELS, CORE CHANGE, THEN RPE-48-BD ELEMENT			
		REFRIGERANTS			
		12 & 134a	22, 407C & 410A		12, 22, 134a, 407C & 410A
1/4 – 1/3	3/8	C-083-S-T-HH	C-083-S-T-HH	CAP	C-032-CAP
	1/2	C-164-S-T-HH	C-164-S-T-HH	1/4	C-032-S
1/2 – 1	1/2	C-164-S-T-HH	C-164-S-T-HH	3/8	C-052-S C-053-S
	5/8	C-165-S-T-HH	C-165-S-T-HH		
	3/4	C-166-S-T-HH	C-166-S-T-HH		
1-1/2 – 2-1/2	5/8	C-305-S-T-HH	C-165-S-T-HH	3/8	C-083-S C-084-S
	3/4	C-306-S-T-HH	C-166-S-T-HH		
	7/8	C-307-S-T-HH	C-167-S-T-HH		
3 – 4	3/4	C-306-S-T-HH	C-306-S-T-HH	3/8	C-163-S C-164-S C-165-S
	7/8	C-437-S-T-HH	C-307-S-T-HH		
	1-1/8	C-439-S-T-HH	C-309-S-T-HH		
5 – 6	7/8	C-437-S-T-HH	C-307-S-T-HH	3/8	C-163-S C-164-S C-165-S
	1-1/8	C-439-S-T-HH	C-309-S-T-HH		
	1-3/8	C-4311-S-T-HH	C-4311-S-T-HH		
	1-5/8	C-4313-S-T-HH	C-4313-S-T-HH		
7-1/2 – 9	7/8	RSF-487-T	C-437-S-T-HH	1/2	C-304-S C-305-S C-307-S
	1-1/8	RSF-489-T	C-439-S-T-HH		
	1-3/8	RSF-4811-T	C-4311-S-T-HH		
	1-5/8	RSF-4813-T	C-4313-S-T-HH		
10 – 12	7/8	RSF-487-T	RSF-487-T	1/2	C-414-S C-415-S C-417-S
	1-1/8	RSF-489-T	RSF-489-T		
	1-3/8	RSF-4811-T	RSF-4811-T		
	1-5/8	RSF-4813-T	RSF-4813-T		
13 – 18	1-1/8	RSF-489-T	RSF-489-T	5/8	C-415-S C-607-S C-609-S
	1-3/8	RSF-4811-T	RSF-4811-T		
	1-5/8	RSF-4813-T	RSF-4813-T		
	2-1/8	RSF-4817-T	RSF-4817-T		

Note: Use horsepower ratings for approximate air conditioning tonnage ratings.

REFRIGERATION SYSTEMS

SYSTEM SIZE HORSEPOWER	LINE SIZE	SUCTION LINE SELECTION			LINE SIZE	LIQUID LINE SELECTION
		FOR RSF MODELS, CORE CHANGE, THEN RPE-48-BD ELEMENT				
		REFRIGERANTS				
		12 & 134a	22	404A, 502 & 507		12, 22, 134a, 404A, 502 & 507
1/4 – 1/3	3/8	C-163-S-T-HH	C-163-S-T-HH	C-163-S-T-HH	3/16	C-032-CAP
	1/2	C-164-S-T-HH	C-164-S-T-HH	C-164-S-T-HH	1/4	C-052(-S)
1/2 – 1	5/8	C-305-S-T-HH	C-305-S-T-HH	C-305-S-T-HH	1/4	C-082(-S) C-083(-S)
	3/4	C-306-S-T-HH	C-306-S-T-HH	C-306-S-T-HH		
	7/8	C-307-S-T-HH	C-307-S-T-HH	C-307-S-T-HH		
1-1/2 – 2-1/2	5/8	C-305-S-T-HH	C-305-S-T-HH	C-305-S-T-HH	3/8	C-163(-S) C-164(-S)
	7/8	C-307-S-T-HH	C-307-S-T-HH	C-307-S-T-HH		
	1-1/8	C-309-S-T-HH	C-309-S-T-HH	C-309-S-T-HH		
3 – 4	7/8	C-437-S-T-HH	C-307-S-T-HH	C-437-S-T-HH	3/8	C-303(-S) C-304(-S) C-305(-S)
	1-1/8	C-439-S-T-HH	C-309-S-T-HH	C-439-S-T-HH		
	1-3/8	C-4311-S-T-HH	C-4311-S-T-HH	C-4311-S-T-HH		
	1-5/8	RSF-487-T	C-437-S-T-HH	RSF-487-T		
5 – 6	1-1/8	RSF-489-T	C-439-S-T-HH	RSF-489-T	3/8	C-303(-S) C-304(-S) C-305(-S)
	1-3/8	RSF-4811-T	C-4311-S-T-HH	RSF-4811-T		
	1-5/8	RSF-4813-T	C-4813-S-T-HH	RSF-4813-T		
	2-1/8	RSF-4817-T	RSF-4817-T	RSF-4817-T		
7-1/2 – 9	1-1/8	RSF-489-T	RSF-489-T	RSF-489-T	1/2	C-414(-S) C-415(-S) C-417(-S)
	1-3/8	RSF-4811-T	RSF-4811-T	RSF-4811-T		
	1-5/8	RSF-4813-T	RSF-4813-T	RSF-4813-T		
	2-1/8	RSF-4817-T	RSF-4817-T	RSF-4817-T		
10 – 12	1-1/8	RSF-489-T	RSF-489-T	RSF-489-T	1/2	C-414(-S) C-415(-S) C-417(-S)
	1-3/8	RSF-4811-T	RSF-4811-T	RSF-4811-T		
	1-5/8	RSF-4813-T	RSF-4813-T	RSF-4813-T		
	2-1/8	RSF-4817-T	RSF-4817-T	RSF-4817-T		
13 – 18	1-3/8	RSF-4811-T	RSF-4811-T	RSF-4811-T	5/8	C-485-G C-487-G C-489-G
	1-5/8	RSF-4813-T	RSF-4813-T	RSF-4813-T		
	2-1/8	RSF-4817-T	RSF-4817-T	RSF-4817-T		
	2-5/8	RSF-4821-T	RSF-4821-T	RSF-4821-T		

SUCTION LINE FILTER-DRIER ON LARGER SYSTEMS

SYSTEM SIZE HORSEPOWER	SUCTION LINE SIZE	SEVERAL CORE CHANGES, THEN RPE-48-BD ELEMENT(S)		
		REFRIGERANTS		
		12 & 134a	22 & 407C	404A, 502 & 507
20	1-3/8	—	RSF-4811-T	—
	1-5/8	RSF-4813-T	RSF-4813-T	RSF-4813-T
	2-1/8	RSF-9617-T	RSF-4817-T	RSF-4817-T
	2-5/8	RSF-9621-T	RSF-4821-T	RSF-4821-T
25	1-5/8	—	RSF-4813-T	—
	2-1/8	RSF-9617-T	RSF-4817-T	RSF-9617-T
	2-5/8	RSF-9621-T	RSF-4821-T	RSF-9621-T
	3-1/8	RSF-9625-T	RSF-9625-T	RSF-9625-T
30	2-1/8	RSF-9617-T	RSF-9617-T	RSF-9617-T
	2-5/8	RSF-9621-T	RSF-9621-T	RSF-9621-T
	3-1/8	RSF-9625-T	RSF-9625-T	RSF-9625-T
	3-5/8	—	—	(2) RSF-9617-T
40	2-1/8	—	RSF-9617-T	—
	2-5/8	(2) RSF-9621-T	RSF-9621-T	RSF-9621-T
	3-1/8	(2) RSF-9621-T	RSF-9625-T	(2) RSF-9621-T
	3-5/8	(2) RSF-9621-T	—	(2) RSF-9621-T
50	2-1/8	—	RSF-9617-T	—
	2-5/8	(2) RSF-9621-T	RSF-9621-T	(2) RSF-9621-T
	3-1/8	(2) RSF-9621-T	RSF-9625-T	(2) RSF-9621-T
	3-5/8	(2) RSF-9621-T	—	(2) RSF-9621-T
60	2-1/8	—	(2) RSF-9617-T	—
	2-5/8	—	(2) RSF-9617-T	—
	3-1/8	(3) RSF-9621-T	—	(2) RSF-9621-T
	3-5/8	(3) RSF-9621-T	—	(2) RSF-9621-T
75	2-5/8	—	(2) RSF-9617-T	—
	3-1/8	(3) RSF-9617-T	(2) RSF-9617-T	(2) RSF-9621-T
	3-5/8	(3) RSF-9621-T	(2) RSF-9621-T	(2) RSF-9621-T
	4-1/8	(3) RSF-9621-T	—	(2) RSF-9621-T

For Refrigerants 401A & B, use R-12 Ratings
For Refrigerants 402A & B, use R-502 Ratings

