

# FILTER DRIERS - SPORLAN



*Catch-All* THE PERFECT FILTER-DRIER

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

The universal acceptance of the **Catch-All® Filter-Drier** is due to its unique moulded 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

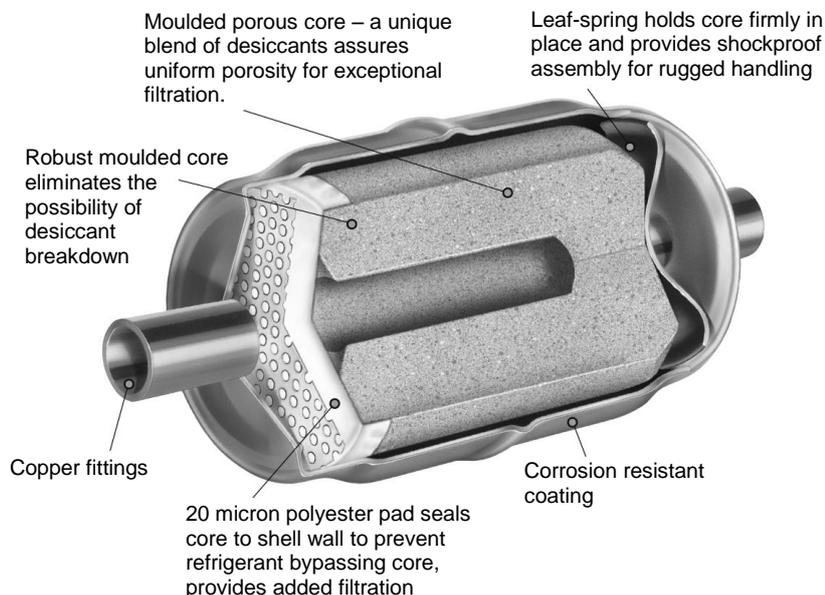
The **Catch-All Filter-Drier** is unexcelled in acid removal ability. The hydrochloric, hydrofluoric, and various organic acids are adsorbed and held by the desiccant in a manner similar to the adsorption of moisture. Tests have demonstrated that the **Catch-All Filter-Drier** has superior acid removal 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.



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## Liquid Line Filter Driers

Airefrig Part Number	Connection Type & Size	Desiccant Volume cm <sup>3</sup>	**Water Capacity - Grams					Selection Recommends KW					Overall Length mm	Dia mm	List Price Excl GST
			R22 60PPM	R134A 50PPM	R404A & R507 50PPM	R407C 50PPM	R410A 50PPM	Refrigeration			Air Cond.				
			25°C & 50°C	25°C & 50°C	25°C & 50°C	25°C & 50°C	25°C & 50°C	R134a	R22	R404A & R507	R134a	R22,407C & R410A			
C032	1/4MF	49	3.1 & 2.5	3.4 & 2.4	3.6 & 2.9	2.6 & 0.9	1.4 & 1.0	0.88	0.88	0.88	1.8	1.76	106	44	\$25.98
C032F	1/4MF/FF												97		\$27.91
C032S	1/4ODS												106		\$21.65
C033	3/8MF												119		\$27.05
C033S	3/8ODS												99		\$27.05
C052	1/4MF	82	7.3 & 6.0	7.9 & 5.7	8.5 & 6.9	6.2 & 2.0	3.2 & 2.4	1.17	1.17	1.17	2.64 thru 3.52	2.64 thru 3.52	121	62	\$34.02
C052S	1/4ODS												106		\$34.02
C053	3/8MF												132		\$34.64
C053S	3/8ODS												109		\$32.40
C082	1/4MF	147	12.0 & 9.8	13.1 & 9.4	14.0 & 11.4	10.1 & 3.3	5.2 & 3.9	1.76 thru 5.28	1.76 thru 5.28	1.76 thru 5.28	2.64 thru 7.03	3.52 thru 7.03	143	67	\$40.54
C082S	1/4ODS												130		\$39.48
C083	3/8MF												154		\$40.54
C083S	3/8ODS												133		\$38.91
C084	1/2MF												160		\$42.18
C084S	1/2ODS												138		\$37.85
C162	1/4MF	262	17.3 & 14.9	19.8 & 14.3	21.2 & 17.3	15.4 & 5.0	7.9 & 6.0	3.52 thru 7.03	5.28 thru 10.6	2.64 thru 7.03	3.52 thru 17.6	5.28 thru 17.6	159	76	\$48.65
C163	3/8MF												171		\$48.65
C163S	3/8ODS												149		\$48.65
C164	1/2MF												176		\$52.42
C164S	1/2ODS												152		\$52.42
C165	5/8MF												184		\$54.04
C165S	5/8ODS												160		\$46.50
C303	3/8MF	492	34.8 & 28.4	37.8 & 27.3	40.5 & 32.9	29.3 & 9.5	15.1 & 11.4	10.6 thru 17.6	10.6 thru 17.6	7.03 thru 17.6	10.6 thru 26.4	14.1 thru 35.2	246	76	\$102.33
C303S	3/8ODS												226		\$105.80
C304	1/2MF												251		\$102.33
C304S	1/2ODS												229		\$109.57
C305	5/8MF												259		\$102.33
C305S	5/8ODS												235		\$102.33
C306	3/4MF												259		\$109.36
C306S	3/4ODS												245		\$109.36
C414	1/2MF	672	46.8 & 35.7	50.9 & 36.7	54.4 & 44.3	39.4 & 12.7	20.4 & 15.3	17.6 thru 35.2	17.6 thru 42.2	17.6 thru 35.2	17.6 thru 42.2	26.4 thru 52.8	252	89	\$150.53
C415	5/8MF												260		\$153.17
C415S	5/8ODS												237		\$135.19
C416	3/4MF												260		\$193.21
C416S	3/4ODS												249		\$151.69
C417S	7/8ODS												249		\$155.72

\*\* 20 Drops = 1 gram = 1cc. (Ratings at ARI standard conditions)



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## Reversible Heat Pump Driers

### Design Benefits

Short overall length for easy installation.

Drier operates in either flow direction with low pressure drop.

Proven metal check valves used in construction – no synthetic materials.

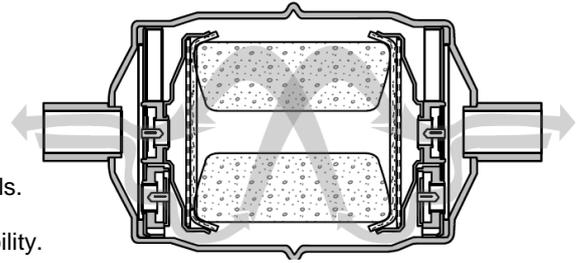
The Sporlan dependable moulded core used for maximum filtration ability.

When the flow direction reverses, dirt already collected remains in the filter-drier.

Carefully engineered blend of desiccants for maximum water capacity & acid removal ability.

The HPC-160-HH Series also has the HH style core with activated charcoal which offers maximum ability to remove oleoresin and other reactive chemical constituents in the lubricant.

Same rugged construction as used in the Catch-All®.



### Heat Pump Driers – Reversible (New Installations)

Airefrig Part Number	Connection Type & Size	Desiccant Volume cm <sup>3</sup>	**Water Capacity - Grams						Selection Recommend KW	Overall Length mm	Dia. mm	List Price Excl GST
			R22 at 60PPM		R407C at 50PPM		R410A at 50PPM					
			24°C	52°C	24°C	52°C	24°C	52°C				
HPC103	3/8MF	164	10.8	8.8	9.1	3.0	4.7	3.5	3.5 thru 17.5	76	171	\$68.30
HPC103S	3/8ODS										149	\$60.92
HPC104	1/2MF										176	\$73.82
HPC104S	1/2ODS										152	\$60.92
HPC105S	5/8ODS										152	\$60.92

\*\* 20 Drops = 1 gram = 1cc. (Ratings at ARI standard conditions)

### Heat Pump Driers – Reversible (For Clean-up after Burnout)

Airefrig Part Number	Connection Type & Size	Desiccant Volume cm <sup>3</sup>	**Water Capacity - Grams						Selection Recommend KW	Overall Length mm	Dia. mm	List Price Excl GST
			R22 at 60PPM		R407C at 50PPM		R410A at 50PPM					
			24°C	52°C	24°C	52°C	24°C	52°C				
HPC163HH	3/8MF	229	4.7	4.1	4.5	4.4	3.5	5.0	3.5 thru 17.5	76	198	\$123.84
HPC163SHH	3/8ODS										176	\$123.84
HPC164HH	1/2MF										202	\$123.84
HPC164SHH	1/2ODS										180	\$123.84
HPC165HH	5/8MF										210	\$126.84
HPC165SHH	5/8ODS										187	\$126.84
HPC307SHH	7/8 ODS	492	8.4	6.0	8.1	4.4	6.2	5.5	14 thru 42	280	\$206.41	

\*\* 20 Drops = 1 gram = 1cc. (Ratings at ARI standard conditions)

HH Signifies suitable for Burn Out Applications

# DRIER CORES - SPORLAN

## Replaceable Drier Cores & Pleated Elements

Airefrig Part Number	Description – Application	List Price Excl GST
RC4864	<b>Activated Core</b> The standard core suitable for most installations for liquid or suction line.	\$52.31
RC4864HH	<b>Activated Charcoal Core</b> This core should be used for wax removal on low temperature systems, and for clean up after burn-out on all types of systems	\$86.80
RCW48	<b>High Water Capacity Core</b> This core should be used on system that a ruptured condenser or that have been exposed to the atmosphere, or for some reason are expected to have a high amount of water in the system. Designed especially for polyolester oils.	\$98.10
RPE48BD	<b>Pleated Filter Element</b> This should be installed in the suction line to obtain the lowest possible pressure drop. In cleaning up a system after a motor burn out, cores should be used first. Then after the system is thoroughly clean, then the felt element can be installed.	\$77.33



# DRIER SHELLS - ENTHALPY

## Enthalpy Drier Shells

Airefrig Part Number	Cores	Connection Sizes Inches	Desiccant Volume cm <sup>3</sup>	Filter Surface Area cm <sup>2</sup>	List Price Ex GST
NFDS485	1	5/8"	786	413	\$224.01
NFDS487	1	7/8"			\$224.01
NFDS489	1	1 1/8"			\$224.01
NFDS4811	1	1 3/8"			\$230.13
NFDS4813	1	1 5/8"			\$230.13
NFDS4817	1	2 1/8"			\$236.43
NFDS967	2	7/8"	1572	826	\$292.23
NFDS969	2	1 1/8"			\$292.23
NFDS9611	2	1 3/8"			\$298.35
NFDS9613	2	1 5/8"			\$302.58
NFDS9617	2	2 1/8"			\$302.58
NFDS1449	3	1 1/8"	2358	1239	\$337.41
NFDS14411	3	1 3/8"			\$337.41
NFDS14413	3	1 5/8"			\$346.41
NFDS14417	3	2 1/8"			\$346.41
NFDS19211	4	1 3/8"	3144	1652	\$390.78
NFDS19213	4	1 5/8"			\$390.78
NFDS19217	4	2 1/8"			\$392.67
NRC081852	Gasket Kit to suit NFDS drier shells				\$17.30



Note: The NFDS Enthalpy drier shells have a maximum working pressure of 500psi.