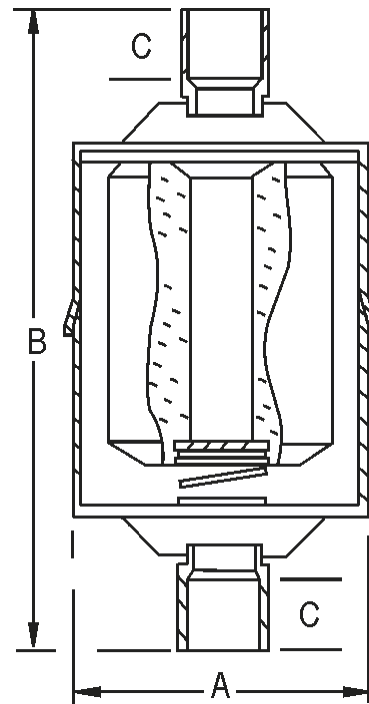




Features:

- A clean block from which all organic and volatile contaminants are removed by the firing process
- Uniformly effective with permeability and absorbency throughout the molded core; micron filtration in depth will remove and retain particles as small as 10 microns
- High stability in a unit of good mechanical strength and marked superiority in resistance to acid corrosion, moisture incurred disintegration and fluid erosion; insoluble in organic liquids and moisture
- Removes dangerous acids
- Spring cushioning at inlet end protects the block from rough handling
- Steel shell, maximum working pressure: 500 PSI (34.5 Bar)
- Copper ODS connections

The drier is designed to function in both directions of flow found in the reversible liquid line of heat pumps. Internal check valves prevent release of collected contaminants when the system switches from the heating to cooling mode and back again.



Heat Pump Filter-Drier Selection							Refrigerant R22 & R134a			
Cat. No.	Size Conn.	Area Core Filter	Dimensions in Inches			Wt. Lbs.	Recommended Tonnage	Water Cap. Drops at 60 PPM		Flow Cap @ 2 PSI
			A	B	C			75°F	125°F	
HP083-S	3/8	18	2.5	5.38	.47	1.22	1 thru 5	102	93	4.4
HP163-S	3/8	28	3.0	6.00	.17	1.76	1 thru 7	153	139	4.7
HP164-S	1/2	28	3.0	6.25	.53	1.76	1 thru 7	153	139	10.7
HP165-S	5/8	28	3.0	6.50	.66	1.84	1 thru 7	153	139	12.7

FILTER DRIERS

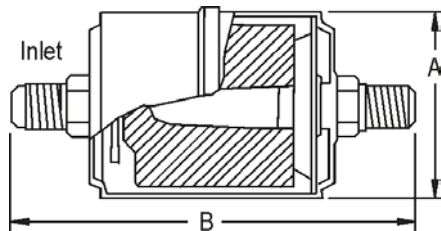
Sealed Type



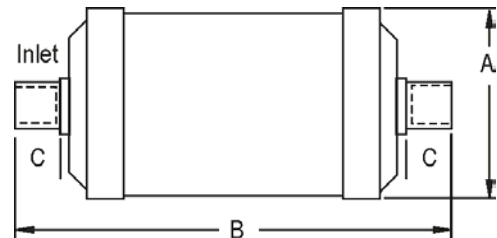
Features:

- **A clean block** from which all organic and volatile contaminants are removed by the firing process
- **Uniformly effective** with permeability and absorbency throughout the molded core. Micronic filtration in depth will remove and retain particles as small as 10 microns
- **High stability** in a unit of good mechanical strength and marked superiority in resistance to acid corrosion, moisture-incurred disintegration and fluid erosion. Insoluble in organic liquids and moisture
- **Removes dangerous acids**
- **Spring cushioning** at inlet end protects block from rough handling
- **Steel shell**
- **Maximum working pressure:** 500 PSI (34.5 Bar)
- **Plated steel flare connections**
- **Copper ODS connections**

SAE Flare Type



Solder Type



Filter-Drier Selection Series "H" Dri-Cor®										Capacity Ratings							
Catalog Number		Size Conn	Core Filter Area Sq.In.	Dimensions In Inches			Wt. Lbs.	Recommended Tonnage		Drops of Water				Flow Capacity @ 2 psi in Tons			
				A	B			C	Refrigerants		R12 (15 PPM)		R22 & R134a (60 PPM)		Refrigerants		
Flare	ODS				Flare	ODS		R12	R22	Liquid Line Temp. °F				R12	R22	R502	
										75°	125°	75°	125°				
H032	H032-S	1/4	11	1.63	4.19	3.50	.44	.43	.75	.75	46	33	31	20	2.3	3.0	2.0
H052	H052-S	1/4	17	2.50	5.00	4.31	.44	.75	1.00	1.00	92	66	62	40	2.3	3.0	2.0
H053	H053-S	3/8	17	2.50	5.31	4.44	.47	.81	1.00	1.00	92	66	62	40	4.0	5.2	3.5
H082	H082-S	1/4	24	2.50	5.31	5.31	.44	1.05	1.00	1.00	156	112	107	68	2.7	3.5	2.4
H083	H083-S	3/8	24	2.50	6.25	5.25	.74	1.06	2.00	2.00	156	112	107	68	5.3	6.8	4.7
H084	H084-S	1/2	24	2.50	6.50	5.75	.53	1.11	2.00	2.00	156	112	107	68	8.2	10.6	7.2
H163	H163-S	3/8	36	3.00	6.75	5.88	.47	1.64	3.00	3.00	282	202	192	122	5.5	7.1	4.8
H164	H164-S	1/2	36	3.00	7.13	6.25	.53	2.35	4.00	4.00	282	202	192	122	8.7	11.2	7.7
—	H165-S	5/8	36	3.00	—	6.50	.66	2.45	5.00	5.00	282	202	192	122	11.0	14.2	9.7
H303	—	3/8	57	3.00	9.69	—	.47	3.45	4.00	5.00	490	352	335	212	5.8	7.5	5.1
H304	H304-S	1/2	57	3.00	10.00	9.25	.53	3.45	7.50	7.50	490	352	335	212	11.8	15.2	10.4
H305	H305-S	5/8	57	3.00	10.25	9.50	.66	3.45	10.00	10.00	490	352	335	212	15.3	19.7	13.5
—	H307-S	7/8	57	3.00	—	9.88	.78	3.32	10.00	15.00	490	352	335	212	24.9	32.1	21.9
H414	—	1/2	71	3.50	9.94	—	.53	5.40	10.00	10.00	710	506	482	305	12.1	15.6	10.6
H415	H415-S	5/8	71	3.50	10.31	9.38	.66	5.58	10.00	15.00	710	506	482	305	16.0	20.6	14.1

FILTER DRIERS

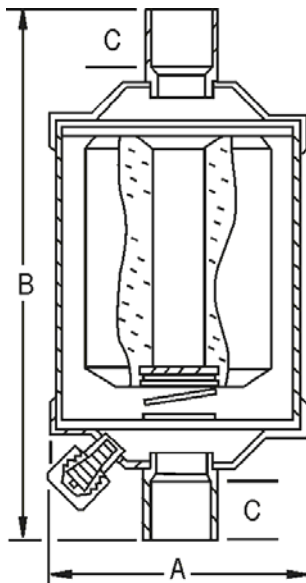
Suction Line



Features:

- Steel shell and copper connections
- Molded activated charcoal core design
- Low pressure drop
- Spring cushioned block
- Max. working pressure: 350 PSI (24.1 Bar)
- Max. temperature rating: +225°F (+107°C)
- 10-micron particle retention
- 1/4" Flare access valve connection port for accurate pressure drop readings

The suction line filter-drier offers all of the advantages of a suction line filter plus the ability, through a blend of desiccants, to remove acids and moisture from the refrigerant vapor in the suction line along with foreign matter. Large filter area and traverse flow passageway for the refrigerant vapor permits installation in the suction line with minimum loss of refrigeration capacity due to pressure drop.



Refrigerant R12				
Evap. Temp °F	-20°	0°	20°	40°
Pressure Drop PSI	1.0	1.5	2.0	3.0
Catalog Number	Tons Refrigerant			
HS164-S	0.4	0.75	1.0	1.5
HS165-S	0.5	1.0	1.5	2.0
HS166-S	0.75	1.5	2.0	3.0
HS167-S	0.9	1.8	2.3	3.6
HS307-S	1.0	2.0	2.5	4.0
HS419-S	1.5	2.3	3.5	5.0

Refrigerant R22 & R134A				
HS164-S	0.5	1.0	1.5	2.0
HS165-S	1.0	1.5	2.0	3.0
HS166-S	1.5	2.5	3.5	5.0
HS167-S	1.8	2.7	4.1	5.9
HS307-S	2.0	3.0	4.5	6.5
HS419-S	2.5	4.0	6.0	8.0

Catalog Number	Size O.D.S.	Core Filters Area Sq. In.	Desiccant Cu. Volume	Dimensions in Inches			Wt. Lbs.
				A	B	C	
HS164-S	1/2	33	16	3.0	6.38	.53	2.16
HS165-S	5/8	33	16	3.0	6.63	.66	2.35
HS166-S	3/4	33	16	3.0	6.63	.72	2.38
HS167-S	7/8	33	16	3.0	7.00	.78	2.50
HS307-S	7/8	53	30	3.0	9.88	.78	3.48
HS419-S	1 1/8	64	41	3.5	10.13	.91	4.66

FILTER DRIER CORES

Replaceable Type



**DRI-COR®
FILTER-DRIER CORE**



**FIL-COR®
FILTER CORE**



STRAINER CORE

DRI-COR® Replacement Cores

This molded core is a composite of carefully selected desiccant materials, artfully bonded to provide very high mechanical strength, outstanding filtering capability, high moisture absorption and acid removal.

The **DRI-COR block** is fully activated and put into a hermetically sealed container to preserve freshness.

DRI-COR Filter-Drier Cores with activated alumina and molecular sieves desiccant provide micronic filtration. Two types available—Standard or Hi-Capacity Cores that are interchangeable with same flow capacity. Hi-Capacity cores have extra drying capacity. Cores are interchangeable (also with those in competitive rod type assemblies).

FIL-COR® Filter Core provides micronic filtration when drying is not required. The FIL-CORs are interchangeable with DRI-CORs. Strainer Cores 100-mesh welded seam stainless steel screen are reinforced with inner perforated tubular-steel shell.

Catalog Number	Construction Type	Drier Shell Dia. In.	Volume Cubic Inches	A.R.I. Cap. Ratings Drop Water				Core	
				R12 (15 PPM)		R22 (60 PPM)			
				Liquid Line Temperature °F				Length In.	Wt. Lbs.
				75°	125°	75°	125°		
848-C	Standard DRI_COR®	4.75	48	670	480	460	288	5.50	2.0
824-CM	High Capacity	3.00	24	423	303	288	183	5.81	1.4
848-CM	DRY-COR®	4.75	48	845	605	576	365	5.50	2.5
810-CM	Hi-Cap. Drying	6.00	100	1760	1260	1200	760	6.50	5.3
848-F	FIL-COR®	4.75	64 Sq. In. Filter Area	Use when Drying is not Required				5.50	.51
810-F	Filter Core	6.00	98 Sq. In. Filter Area					6.50	.71
848-ST	Strainer	4.75	65 Sq. In. Filter Area					5.50	.44

For R134A: Use R22 data. Drier Cores are available packed 12 to a carton. Type 810-CM are packed 4 to a carton.

