



DRIERS & SIGHT GLASSES



C
SECTION

Copper Spun Driers

Suitable for HFC, CFC and HCFC.

CODE	MODEL	SIZE	CONNECTIONS
C440	MSCD-5-3	5 Gram	3/16" x 0.092"
C441	MSCD-15-3	15 Gram	3/16" x 0.092"
C442	MSCD-15-4	15 Gram	1/4" x 0.092"
C443	MSCD-20	20 Gram	1/4" x 0.092"
C444	MSCD-30	30 Gram	1/4" x 0.092"
C448	MCCD-20S	20 Gram	1/4" x 1/4"
C456	MMS-200	20 Gram	1/4" x 1/4"
C454	ATC300-XT95	30 Gram	1/4" x 1/4"



(0.092" Capillary is 2.34mm)

Copper Spun Drier with 1/4" Male Flare Charging Stub

1.5 ton (5kW) Capacity
235mm Long x 25mm Diameter

CODE	MODEL	CONNECTIONS
C455	DXA-5	1/4 x 1/4



Kap Kit

One piece Drier and Capillary enabling quick and easy replacement

CODE	MODEL	APPLICATION
C450	KK1L-25	LBP 0.08 to 0.15 kW
C452	KK2L-25	LBP 0.18 to 0.37 kW
C451	KK1H-25	HBP 0.08 to 0.15 kW
C453	KK2H-25	HBP 0.18 to 0.37 kW



Two Way Heat Pump Driers

The Catch-All Heat Pump Driers internal construction allows reversible refrigerant flow while providing effective filtration and contaminant retention. External check valves are not required.

CODE	MODEL	FLARE CONNECTION
C120	HPC-103F	3/8
C121	HPC-104F	1/2

CODE	MODEL	SOLDER CONNECTION
C126	HPC-103S	3/8
C127	HPC-104S	1/2



Sporlan Driers

Catch-All Filter Driers remove moisture, fine particles and acid.



CODE	MODEL	FLARE CONNECTION
C460	C 032	1/4
C461	C 052	1/4
C462	C 082	1/4
C464	C 033	3/8
C465	C 053	3/8
C466	C 083	3/8
C467	C 163	3/8
C468	C 303	3/8
C471	C 084	1/2
C472	C 164	1/2
C473	C 304	1/2
C476	C 165	5/8
C477	C 305	5/8

CODE	MODEL	SOLDER CONNECTION
C480	C 032S	1/4
C481	C 052S	1/4
C482	C 082S	1/4
C484	C 033S	3/8
C485	C 053S	3/8
C486	C 083S	3/8
C487	C 163S	3/8
C490	C 084S	1/2
C491	C 164S	1/2
C496	C 165S	5/8



Burnout Driers

Eliminator Burnout driers type DAS are used in the suction line to clean up refrigeration and air conditioning systems after a compressor motor burn out.

The solid core is composed of 70% activated alumina and 30% molecular sieves. The DAS drier absorbs both moisture and harmful acids thereby protecting the new compressor against premature failure.



CODE	MODEL	FLARE CONNECTION
C050	DAS 083 VV	3/8
C051	DAS 084 VV	1/2
C052	DAS 164 VV	1/2
C053	DAS 165 VV	5/8

CODE	MODEL	SOLDER CONNECTION
C055	DAS 083sVV	3/8
C056	DAS 084sVV	1/2
C060	DAS 165sVV	5/8
C063	DAS 305sVV	5/8
C064	DAS 306sVV	3/4
C065	DAS 307sVV	7/8
C070	DAS 419sVV	1-1/8



Danfoss Driers

Danfoss DCL driers are suitable for use with HFC's, HCFC's and CFC's.

The drier has a solid core containing 80% 3A molecular sieves and 20% activated alumina for acid absorption and is therefore suited for service work.



Flare Connections - DCL

CODE	MODEL	FLARE CONNECTION
C301	DCL 032	1/4
C302	DCL 052	1/4
C303	DCL 082	1/4
C304	DCL 162	1/4
C306	DCL 053	3/8
C307	DCL 083	3/8
C308	DCL 163	3/8
C309	DCL 303	3/8
C311	DCL 084	1/2
C312	DCL 164	1/2
C313	DCL 304	1/2
C315	DCL 165	5/8
C316	DCL 305	5/8
C318	DCL 306	3/4

Solder Connections - DCL

CODE	MODEL	SOLDER CONNECTION
C320	DCL 032S	1/4
C321	DCL 052S	1/4
C319	DCL 033S	3/8
C325	DCL 053S	3/8
C326	DCL 083S	3/8
C327	DCL 163S	3/8
C340	DCL 303S	3/8
C330	DCL 084S	1/2
C331	DCL 164S	1/2
C332	DCL 304S	1/2
C334	DCL 165S	5/8
C335	DCL 305S	5/8
C336	DCL 306S	3/4
C337	DCL 307S	7/8
C338	DCL 607S	7/8



Danfoss Drier Cores

- 48-DC** Solid core consisting of 3A molecular sieves compatible with R22, R134a, R404A and R507. Also compatible with most blends. Activated aluminium oxide for acid absorption.
- 48-DM** Solid core with 100% 3A molecular sieves compatible with R134a, R404A and R407C.
- 48-DA** Solid core with high acid absorption and standard water absorption. Compatible with R22, R134a, R404A and R507.
- 48-F** Strainer for use in suction or liquid lines. Compatible with all fluorinated refrigerants.



CODE	MODEL	TYPE
C630	48-DC	Solid Core Moisture & Acid Absorption
C631	48-DM	100% Molecular Sieve High Moisture Absorption
C632	48-DA	Burn Out Acid Absorption
C633	48-F	Strainer

See Next Page for Danfoss Drier Shells

Sporlan Drier Cores



- RC-4864-HH** Use for wax removal on low temp systems & clean up after motor burn out
- RCW-48** Designed for use with POE oils on systems heavily contaminated with water
- RC-10098** This is a standard core suitable for liquid & Suction line applications
- RPE-48-BD** This element should be used in RSF shell installed in suction line to obtain the lowest possible pressure drop after cores were used for system clean up
- RCW-42** This core should be used on systems that have a ruptured water cooled condenser, exposed to atmosphere, or for some reason have a high amount of moisture in the system.



CODE	MODEL	TYPE
C662	RC-4864-HH	Activated Charcoal Core
C664	RCW-48	High Water
C666	RC-10098	Standard
C668	RPE-48-BD	Filter Element
C670	RCW-42	High Water Capacity Core

Valcon & Virginia Drier Cores

- H-48** High Capacity Core used in systems where high moisture content is suspected
- T-48** Standard Core use for general clean up in most liquid and suction line applications it removes moisture and acids
- VS100H** The VS100H high moisture capacity core can be used in both the suction and liquid line.

CODE	MAKE	MODEL	TYPE
C640	Valcon	H-48	High Moisture Capacity
C642	Valcon	T-48	Standard Core
C646	Virginia	VS100H	High Moisture Capacity



Drier Shells

DCR filter drier, exchangeable core, housing and cores.

DCR ELIMINATOR® filter driers protect refrigeration, freezing and air conditioning systems from moisture, acids and solid particles. DCR filter drier is a parts program consisting of a DCR housing, a top cover and exchangeable core inserts type 48-DM, 48-DC, 48-DA and 48-F. DCR filter driers are for use in liquid and suction lines in refrigeration plants with fluorinated refrigerants and CO₂. Available with steel and copper connections. Core types: 48-DC for HCFC and CFC systems. 48-DM for HFC systems. 48-DA for acid adsorption after burnout. 48-F strainer for retaining dirt.



Drier shells are supplied **WITHOUT** Cores. Please order separately.

5/8" Connections

CODE	MODEL	NO OF CORES
C600	DCR 0485	1 x 48 Core

7/8" Connections

CODE	MODEL	NO OF CORES
C602	DCR 0487	1 x 48 Core
C603	DCR 0967	2 x 48 Core

1-1/8" Connections

CODE	MODEL	NO OF CORES
C605	DCR 0489	1 x 48 Core
C606	DCR 0969	2 x 48 Core

1-3/8" Connections

CODE	MODEL	NO OF CORES
C609	DCR 04811	1 x 48 Core
C610	DCR 09611	2 x 48 Core
C611	DCR 14411	3 x 48 Core

1-5/8" Connections

CODE	MODEL	NO OF CORES
C615	DCR 04813	1 x 48 Core
C616	DCR 09613	2 x 48 Core
C618	DCR 19213	4 x 48 Core

2-1/8" Connections

CODE	MODEL	NO OF CORES
C621	DCR 04817	1 x 48 Core
C622	DCR 09617	2 x 48 Core
C623	DCR 14417	3 x 48 Core
C624	DCR 19217	4 x 48 Core




Drier Shells

Drier Shell Capacities: These capacities are based on normal refrigeration systems, for systems with long pipe runs or systems in adverse conditions, use a larger drier.

Recommended Liquid Line Capacity in kW given in accordance with ARI 710-86 evaporating temperature = -15°C condensing temperature = $+30^{\circ}\text{C}$ and pressure drop across the filter drier = 0.07 bar.

MODEL	CORE TYPE 48DN				CORE TYPE 48 DU		
	R22	R134A	R404A R507	R407C R410	R13A	R404A R507	R407C R410
DCR 0485	88	79	57	88	79	57	88
DCR 0487	153	139	99	153	139	99	153
DCR 0967	155	140	100	155	140	100	155
DCR 0489	206	186	133	206	186	133	296
DCR 0969	240	217	155	240	217	155	240
DCR 04811	259	227	162	259	227	162	259
DCR 09611	326	295	211	326	295	211	326
DCR 14411	394	356	255	394	356	255	394
DCR 04813	259	227	162	259	277	162	259
DCR 09613	396	358	256	396	358	256	396
DCR 19213	509	460	329	509	460	329	509
DCR 04817	259	227	162	259	227	162	259
DCR 09617	396	358	256	396	358	256	396
DCR 14417	394	356	255	394	356	255	394
DCR 19217	509	460	329	509	460	329	509

Suction Line Capacity in kW given in accordance with ARI 730-86 evaporating temperature = $+4.4^{\circ}\text{C}$, condensing temperature = $+32.2^{\circ}\text{C}$ and pressure drop across the filter drier = 0.21 bar

MODEL	R22, R407C, R410A		R134A, R507		R404A		
	-20°C	$+4.4^{\circ}\text{C}$	-20°C	$+4.4^{\circ}\text{C}$	-4.4°C	-20°C	$+4.4^{\circ}\text{C}$
DCR 0485	8.9	21.0	5.4	13.0	2.4	7.1	17.5
DCR 0487	16.1	37.8	9.9	23.4	4.5	12.9	31.2
DCR 0967	16.2	38.1	9.9	23.6	4.5	12.9	31.4
DCR 0489	21.6	50.7	13.3	31.5	6.0	17.2	41.8
DCR 0969	24.6	58.3	15.0	35.9	6.8	19.7	48.1
DCR 04811	27.3	63.3	16.8	39.5	7.7	21.8	51.9
DCR 09611	33.4	79.3	20.4	48.9	9.3	26.8	65.4
DCR 14411	38.1	92.2	23.0	56.2	10.3	30.7	76.6
DCR 04813	27.3	63.3	16.8	39.5	7.7	21.8	51.9
DCR 09613	39.9	95.2	24.3	58.5	11.0	32.0	78.7
DCR 19213	51.1	122.1	31.1	75.0	14.1	41.1	101.0
DCR 04817	27.3	63.3	16.8	39.5	7.7	21.8	51.9
DCR 09617	39.9	95.2	24.3	58.5	11.0	32.0	78.7
DCR 14417	38.1	92.2	23.0	56.2	10.3	30.7	76.6
DCR 19217	51.1	122.1	31.1	75.0	14.1	41.1	101.0

Danfoss Sight Glasses

The Danfoss SGP sight glass offers optimal visibility and is designed to cover higher pressure applications with a maximum working pressure up to 52 bar. This means the SGP is also suitable for R410A, R32 & sub critical R744.

SGP sight glasses are fitted with an indicator, which changes colour to show the moisture content in the refrigerant.

The sight glass will also indicate a lack of sub cooling or a shortage of refrigerant in the system.

Flare Sight Glass (Male to Male)

CODE	MODEL	CONNECTIONS
C370	SGP 6	1/4 Flare
C373	SGP 10	3/8 Flare
C376	SGP 12	1/2 Flare
C379	SGP 16	5/8 Flare
C382	SGP 19	3/4 Flare



Higher pressure for various refrigerants.

Due to our customers' needs for higher pressure, the Danfoss SGP, a new concept based on a reliable design, is engineered to reach up to 52 bar maximum working pressure.

Flare Sight Glass (Male to Female)

CODE	MODEL	CONNECTIONS
C371	SGP 6MF	1/4 m x f
C374	SGP 10MF	3/8 m x f
C377	SGP 12MF	1/2 m x f
C380	SGP 16MF	5/8 m x f
C383	SGP 19MF	3/4 m x f



The Danfoss SGP covers the full range of connection types used throughout the entire system, by offering:

- Flare
- Male x Female Flare
- Solder

Solder Sight Glass (C x C)

CODE	MODEL	CONNECTIONS
C372	SGP 6S	1/4 Solder
C375	SGP 10S	3/8 Solder
C378	SGP 12S	1/2 Solder
C381	SGP 16S	5/8 Solder
C384	SGP 19S	3/4 Solder
C385	SGP 22S	7/8 Solder

