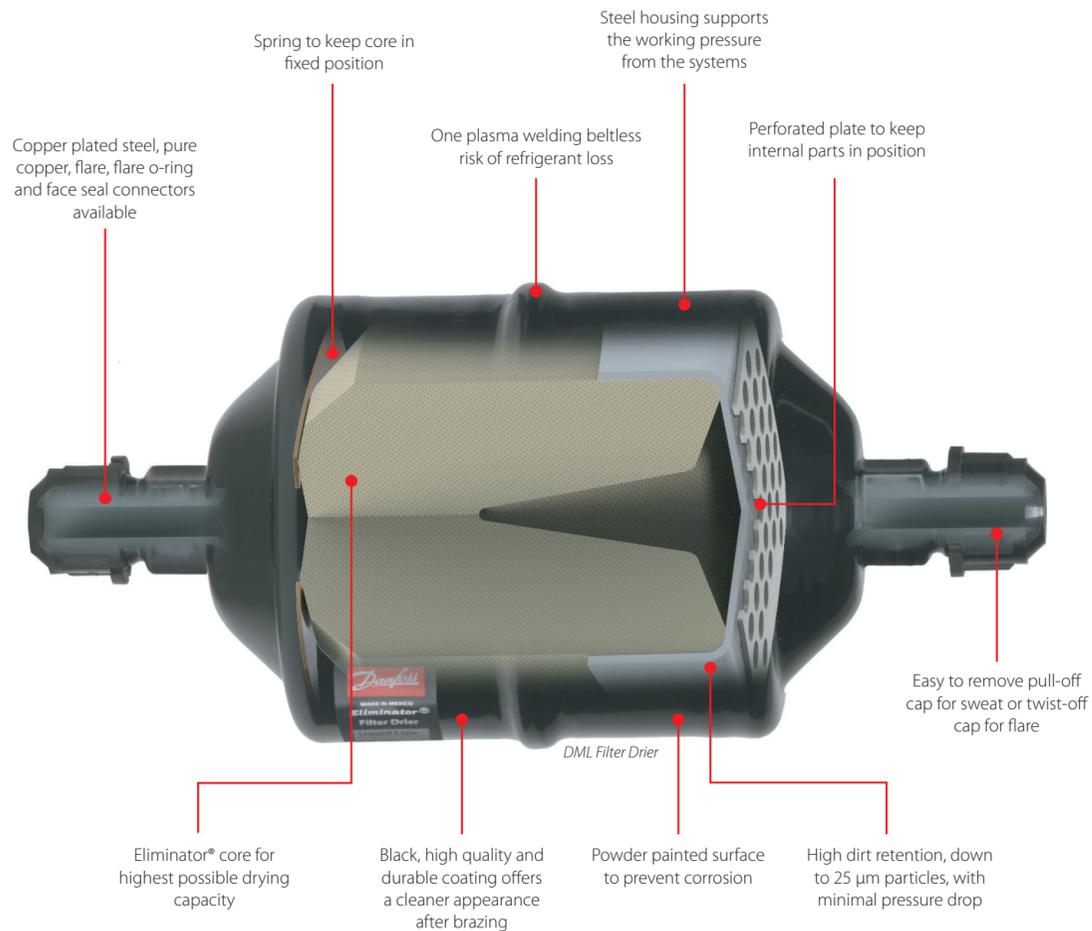


Danfoss Climate Solutions

## Protect your HVAC/R system with the most reliable Filter drier in the market

Wide range of Danfoss filter driers



### Main Features

- High **drying capacity** prevents the risk of acid formation in the refrigeration system
- Maximum **working pressure** up to 46 bar
- High **dirt retention**, down to particles of 25 microns, with minimal pressure drop
- Designed to work more than 250,000 **cycles**
- Wide **size range** from 1.5 to 75 cu. in.
- **100% Helium Leak** tested driers
- **Solid core** – high adsorption, low attrition
- Designed to withstand more than 500 hrs. in **salt spray chamber** (special coating for marine applications available upon request)
- UL, CE, EN, RoHS, GOST and Chinese Manufacture License of Special Equipment **certifications**
- Black **paint** gives a better look after brazing installation
- No residual **moisture** when delivered

## A world leader in climate and energy technology

The Danfoss Group operates globally with the primary aims of making modern living possible for our stakeholders and being a leader in refrigeration, heating, power electronics, and mobile hydraulics.

We employ 42,000 people and produce approximately 250,000 components each day at our 76 factories in 25 countries.

We promise leadership in our businesses through reliability, excellence, and innovation – driving true customer satisfaction and solutions within climate and energy.

### Extensive experience in all key HVAC/R segments

Danfoss plays a leading role in research, development and production in a wide spectrum of industries, and has been a key player in the HVAC/R field for more than 90 years. Our Refrigeration & Air Conditioning Division designs, produces and markets a comprehensive range of automated solutions and compressors for a wide variety of HVAC/R segments, including

- Heat Pumps
- Commercial Air Conditioning
- Residential Air Conditioning
- Commercial Refrigeration
- Household, Light Commercial and Mobile Refrigeration
- Wholesalers & Installers
- Industrial Refrigeration
- Food Retail



Learn more at [www.danfoss.com](http://www.danfoss.com)

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Danfoss filter driers are developed specifically for the challenges encountered in Air Conditioning and Refrigeration Systems. Regardless of the application, Danfoss filter driers will provide long-lasting and reliable protection for your system.

Choose the **optimal** filter drier

		LIQUID LINE		BI-FLOW		COMBINATION RECEIVER AND FILTER DRIER		SUCTION LINE	LIQUID AND SUCTION LINE	LIQUID AND SUCTION LINE				LIQUID AND SUCTION LINE				
		TYPE	DML	DCL	DMB	DCB	DMC	DCC	DAS	DCR	DM	DC	DA	F	DMSC for CO <sub>2</sub>	DMT for CO <sub>2</sub>	DCR for CO <sub>2</sub>	
Features			<ul style="list-style-type: none"> <li>High drying capacity</li> <li>Prevents acid formation in the system</li> <li>Eliminates harmful chemical reactions and abrasive impurities</li> </ul>		<ul style="list-style-type: none"> <li>Built-in check valve</li> <li>All dirt particles are retained irrespective of flow direction</li> </ul>		Combined Filter drier and receiver		Used in the suction line to clean up refrigeration and A/C systems after a compressor motor burn-out	<ul style="list-style-type: none"> <li>Features exchangeable cores</li> <li>Protects refrigeration and A/C systems from moisture, acids and solid particles</li> <li>The DCR housing is sold individually (without core)</li> </ul>	Most suited for applications requiring high moisture capacity	Most suited for applications requiring high moisture and acid adsorption capacity	For high acid and standard moisture capacity for clean-up after burnout	Designed for high dirt retention in liquid or suction line	Suited for sub-critical CO <sub>2</sub> -applications	Suited for transcritical and sub-critical CO <sub>2</sub> -applications	Suited for transcritical and sub-critical CO <sub>2</sub> -applications	
Applications		A/C Systems																
		Food Retail																
		Transport Refrigeration																
		Chillers/Reversible Heat Pumps																
Technical specifications	Housing	Hermetic		Hermetic		Hermetic		Hermetic	Semihermetic	-				Hermetic	Hermetic	Semihermetic		
	Core composition								See core details				-			See the core details		
	Available sizes	1.5 • 03 • 05 • 08 • 16 • 30 • 38 • 41 • 60 • 75		05 • 08 • 16 • 30		04 • 07 • 20 • 40		08 • 16 • 30 • 41 • 60 • 75	48 • 96 • 144 • 192	#cores or inserts: 1 core = 48 • 2 cores = 96 • 3 cores = 144 • 4 cores = 192				03 • 05 • 08	8 • 13	48 • 96		
	Refrigerant	HC <sup>1)</sup>	•	•	•	•	•	•	-	•	•	•	•	-	-	-	-	
HFC		•	•	•	•	•	•	•	•	•	•	•	•	-	-	-	-	
HFO		•	•	•	•	•	•	•	•	•	•	•	•	-	-	-	-	
HCFC		•	•	•	•	•	•	•	•	•	•	•	•	-	-	-	-	
CO <sub>2</sub>		Subcritical	-	Subcritical	-	Subcritical	-	Subcritical	Subcritical	•	-	•	•	•	•	•	•	
	Corrosion resistance	500 hrs <sup>2)</sup>		500 hrs		500 hrs		500 hrs	500 hrs	-				Up to 500 hrs	Up to 500 hrs	Up to 200 hrs		
	Maximum working pressure (PS/MWP)	46 bar (667 psig)		46 bar (667 psig)		42 bar (610 psig)		35 bar (500 psig)	46 bar (667 psig)	-				52 bar (754 psig)	140 bar (2030 psig)	90 bar (1305 psig)		
	Media temperature	-40 - 70°C / -40 - 160°F		-40 - 70°C / -40 - 160°F		-40 - 70°C / -40 - 160°F		-40 - 70°C / -40 - 160°F	-40 - 70°C / -40 - 160°F	-40 - 70°C / -40 - 160°F				-40 - 80°C / -40 - 176°F	-40 - 80°C / -40 - 176°F	-55 - 100°C / -67 - 212°F		
Connections	Connection material and sizes	Pure copper	¼ - 1½ in. (2.8 - 28mm)		¼ - 5/8 in. (6 - 12mm)		¼ - 5/16 in. (6 - 8mm)		3/8 - 1½ in.	5/8 - 2 5/8 in. (16-64mm)		-				¼ - ½ in. (6 - 12 mm)	-	-
		Cu-plated	¼ - 1½ in. (6 - 28mm)		¼ - 1½ in. (6 - 12mm)		¼ - ½ in. (6 - 12mm)		-	-		-				-	¼ - ½ in. (6 - 12 mm)	-
		Steel <sup>3)</sup>	¼ - ¾ in. (6 - 19mm)		¼ - 5/8 in. (6 - 16mm)		-		3/8 - 5/8 in. (10 - 16mm)	5/8 - 2 5/8 in. (16-64mm)		-				-	¼ - ½ in. (6 - 12 mm)	7/8 in, 1 - 3/8 in, 1 - 5/8 in and 2 - 1/8 in (20mm, 32mm, 40mm, 50mm)
	Connection types	Solder	•	•	•	•	•	•	•	•	-				•	•	•	
		Flare	•	•	•	•	-	-	•	-	-				•	•	-	
		Flare o-ring	•	•	-	-	-	-	-	-	-				-	-	-	
Face seal	•	•	-	-	-	-	-	-	-				-	-	-			
Weld	-	-	-	-	-	-	-	-	-				-	-	•			



Manufacturing locations India and Mexico  
<sup>1)</sup> HC refrigerants compatibility: only solder versions (cu-plated/pure copper) and connection sizes below 25mm are approved for flammable refrigerants now  
<sup>2)</sup> Special coating for marine applications available (2,000 hours)  
<sup>3)</sup> Flare steel connectors. Only DCR filter drier is presented with solder/welding steel connectors

**ICON LEGEND** Core composition: 100% Molecular sieve 80% Molecular sieve 20% Activated alumina 70% Activated alumina 30% Molecular sieve