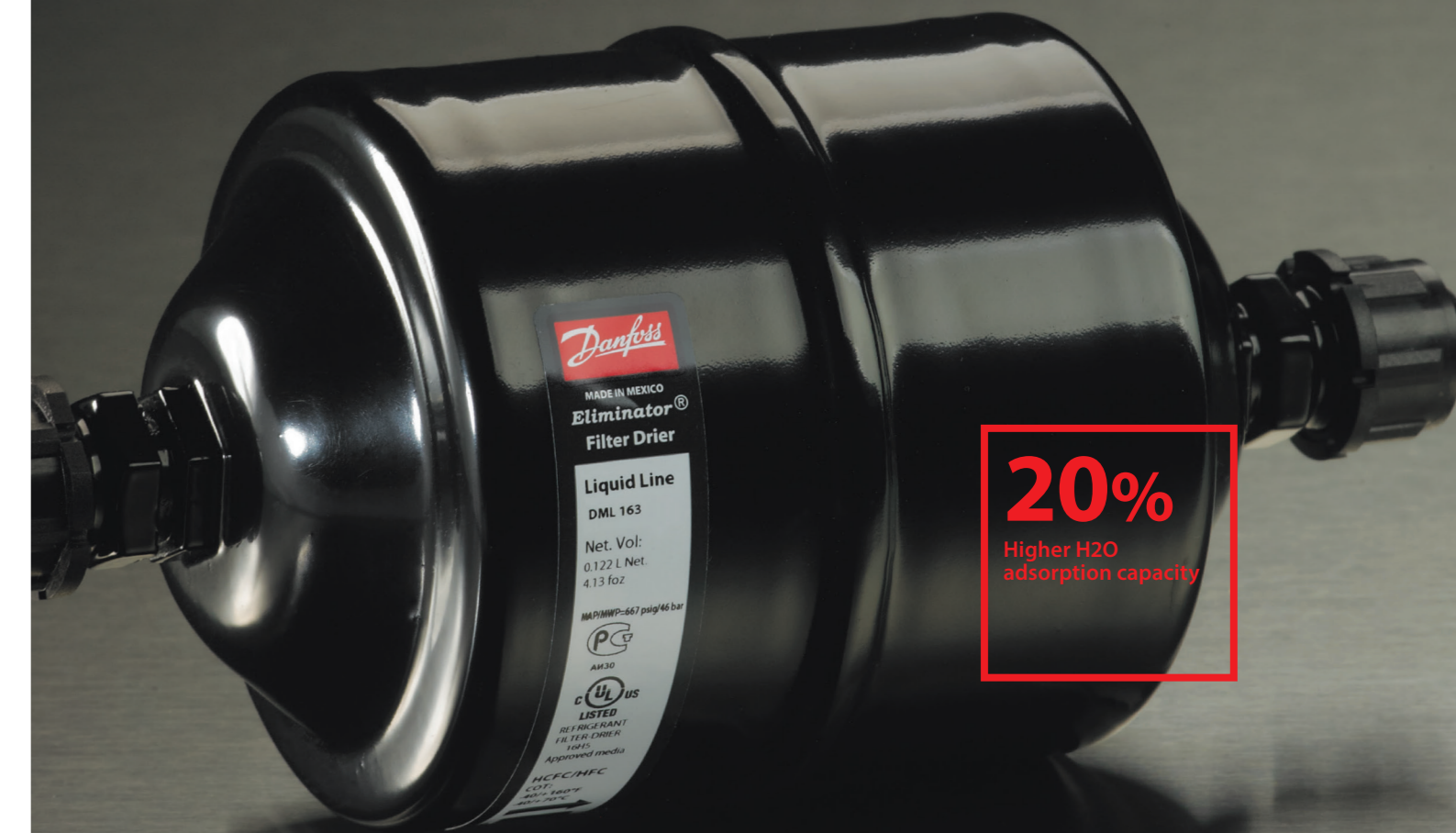


Danfoss Climate Solutions

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

Wide range of Danfoss filter driers



**20%**  
Higher H<sub>2</sub>O  
adsorption capacity

## 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

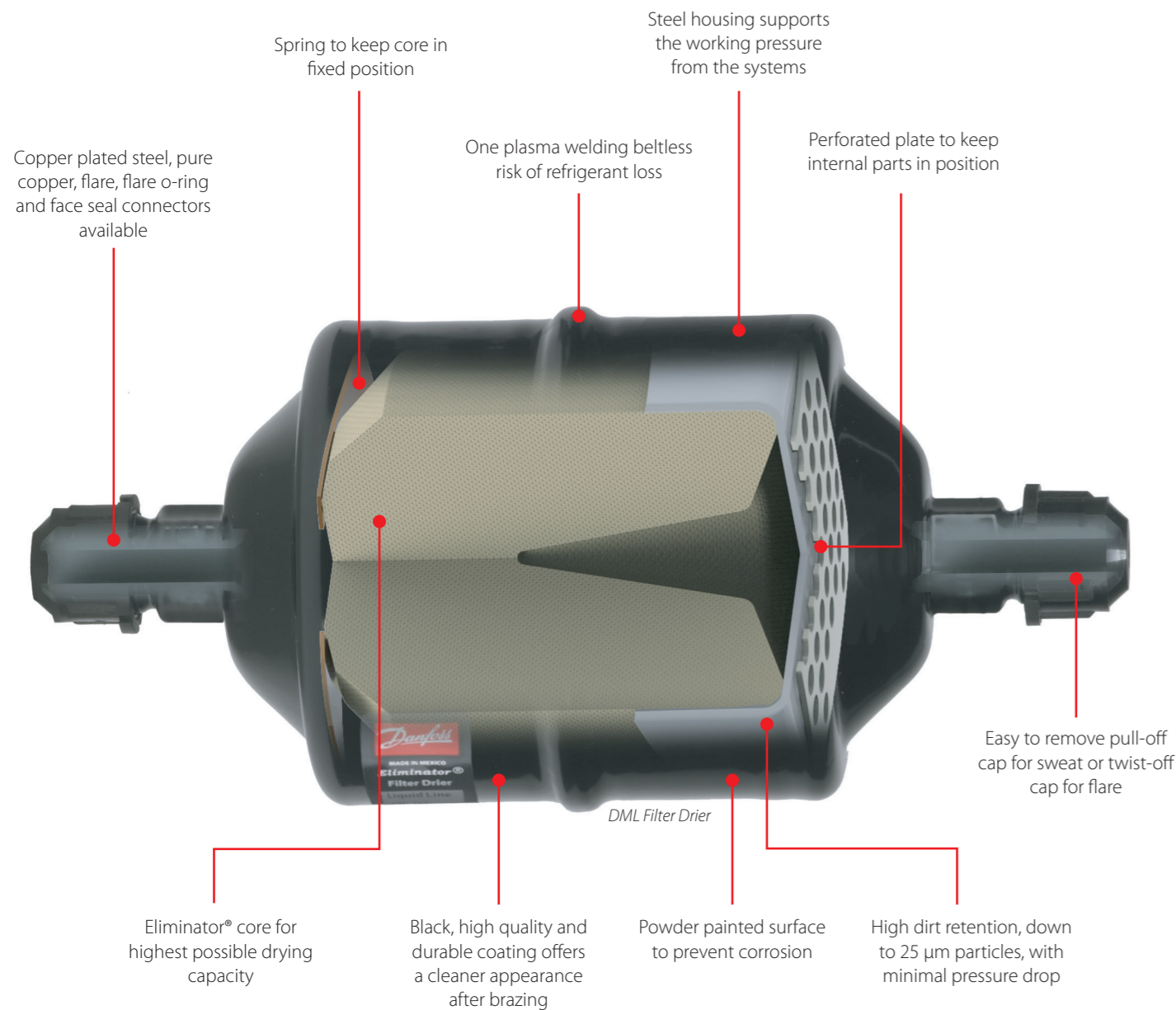
Danfoss plays a leading role in research, development and production in a wide spectrum of industries, and has been a key player in the HVAC/R field for more than 90 years. Our Refrigeration & Air Conditioning Division designs, produces and markets a comprehensive range of automated solutions and compressors 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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- Copper plated steel, pure copper, flare, flare o-ring and face seal connectors available
- Spring to keep core in fixed position
- One plasma welding beltless risk of refrigerant loss
- Steel housing supports the working pressure from the systems
- Perforated plate to keep internal parts in position
- Easy to remove pull-off cap for sweat or twist-off cap for flare
- Eliminator® core for highest possible drying capacity
- Black, high quality and durable coating offers a cleaner appearance after brazing
- Powder painted surface to prevent corrosion
- High dirt retention, down to 25 µm particles, with minimal pressure drop

### 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

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		
										 Replaceable DCR Core / Insert						
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																
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
Connection material and sizes		Pure copper	1/4 - 1 1/8 in. (2.8 - 28mm)	1/4 - 5/8 in. (6 - 12mm)	1/4 - 5/8 in. (6 - 12mm)	1/4 - 5/16 in. (6 - 8mm)	3/8 - 1 1/8 in.	5/8 - 2 5/8 in. (16-64mm)						1/4 - 1/2 in. (6 - 12 mm)		
	Cu-plated		1/4 - 1 1/8 in. (6 - 28mm)	1/4 - 1 1/8 in. (6 - 12mm)	1/4 - 1 1/8 in. (6 - 12mm)	1/4 - 1/2 in. (6 - 12mm)									1/4 - 1/2 in. (6 - 12 mm)	
	Steel <sup>3)</sup>		1/4 - 3/4 in. (6 - 19mm)	1/4 - 5/8 in. (6 - 16mm)			3/8 - 5/8 in. (10 - 16mm)	5/8 - 2 5/8 in. (16-64mm)							1/4 - 1/2 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