

ENGINEERING
TOMORROW

Danfoss

Danfoss ELIMINATOR® 1.5 in³ filter drier

Keep the **smallest** refrigeration applications **dry, clean** and **safe**

Designed for Glass Door Merchandisers and other light commercial applications.

Works with
pressures up to

46 bar
(667 psig)



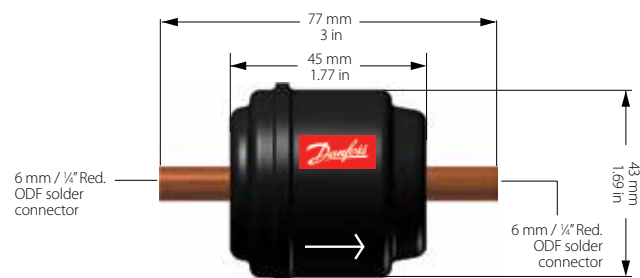
Robust, compact and reliable

Filter driers keep refrigeration systems dry and clean to protect against corrosion and other contamination that may impede system performance or result in breakdown of the refrigeration unit. An effective filter drier also ensures that oil and refrigerant do not decompose thus extending system performance and life.

Danfoss ELIMINATOR® 1.5 in³ filter drier has been optimized for glass door merchandisers and other light commercial applications. It is specially designed to minimize the amount of refrigeration system charge and assists designers in meeting the strict 150g system limits when using flammable refrigerants such as R290 (propane). The ELIMINATOR® filter drier has a solid core that yields a fast adsorption rate and no loose dessicant which can add unwanted particles to the refrigerant. It is also designed for superior flow capacity as well as low pressure drop and these combined benefits minimize operation and maintenance costs.



Connector Options



DML 1.52x2/2s (inlet dual connector)

Technical Data

Type	DML 1.52x2/2s	DCL 1.52XL/2.8mm s
Weight	0.12 Kg / 0.26 lbs	0.12 Kg / 0.26 lbs
Refrigerant	HCFC; HFC; HC; HFO	
Paint	Powder coating gloss 90, RAL 9005 (Black)	
Max. Working Pressure/PB	46 bar / 667 psig (fatigue test)	
Solid Core:		
Volume	24 cm ³ / 1.49 in ³	
Surface Area	46 cm ² / 7.20 in ²	
Net Volume	0.036 l / 1.21 f oz US	
Shell Volume	0.050 l / 1.70 f oz US	
Media Temperature	-40 °C → +70 °C / -40 °F → 160 °F	
Core Composition	100% Molecular Sieve	80% Molecular Sieve 20% Activated alumina
Water adsorption capacity (kg of ref. / drops H ₂ O):		
R134a	t _i =24°C: 2.9 kg / 58 H ₂ O t _i =52°C: 2.7 kg / 55 H ₂ O	t _i =24°C: 2.3 kg / 45 H ₂ O t _i =52°C: 2.1 kg / 43 H ₂ O
R404A	t _i =24°C: 3.1 kg / 61 H ₂ O t _i =52°C: 3.0 kg / 57 H ₂ O	t _i =24°C: 2.4 kg / 47 H ₂ O t _i =52°C: 2.3 kg / 45 H ₂ O
R32	t _i =24°C: 2.7 kg / 51 H ₂ O t _i =52°C: 2.5 kg / 46 H ₂ O	t _i =24°C: 2.1 kg / 40 H ₂ O t _i =52°C: 1.9 kg / 36 H ₂ O
R290	t _i =24°C: 3.5 kg / 54 H ₂ O t _i =52°C: 2.8 kg / 44 H ₂ O	t _i =24°C: 2.8 kg / 42 H ₂ O t _i =52°C: 2.2 kg / 34 H ₂ O
R600a	t _i =24°C: 3.2 kg / 61 H ₂ O t _i =52°C: 2.6 kg / 49 H ₂ O	t _i =24°C: 2.5 kg / 48 H ₂ O t _i =52°C: 2.0 kg / 38 H ₂ O
Flow capacity at Δp = 0.07 bar / 1psi:		
R134a	1.7 Ton / 5.97 kW	1.7 Ton / 5.97 kW
R404A	1.2 Ton / 4.21 kW	0.8 Ton / 2.81 kW
R32	2.5 Ton / 8.78 kW	1.2 Ton / 4.21 kW
R290	2.0 Ton / 7.02 kW	1.0 Ton / 3.51 kW
R600a	2.1 Ton / 7.37 kW	1.0 Ton / 3.51 kW

Available filter drier options

Code	Type	Inlet Port	Connector Size		Qty per box	Packing Format
			Inlet	Outlet		
023Z8252	DCL 1.52s XL / 2.8mm s	Single	1/4 XL	2.8 mm	36	I-Pack
023Z8253	DML 1.52s	Single	1/4	1/4	36	I-Pack
023Z8254	DML 1.52s	Single	1/4	1/4	32	M-Pack
023Z8255	DCL 1.52 / 2.8mm s	Single	1/4	2.8 mm	32	M-Pack
023Z8258	DML 1.52s XL	Single	1/4 XL	1/4 XL	36	I-Pack
023Z8260	DCL 1.52s	Single	1/4	1/4	36	I-Pack