



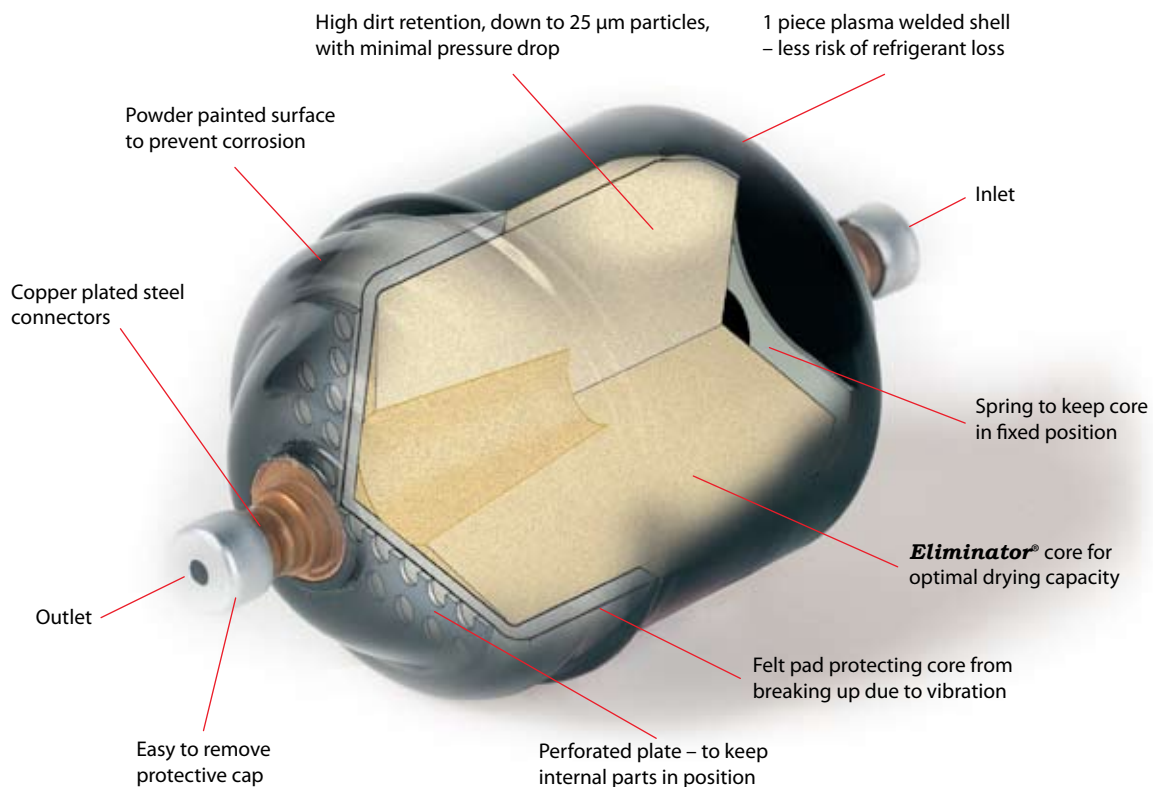
## ***Eliminator***<sup>®</sup> liquid line filter driers Type DML



## DML: Excellent protection of your refrigeration system

The DML liquid line filter driers protect refrigeration and air conditioning systems from moisture, acids and solid particles. The 100% solid molecular sieve core, assures a high drying capacity and avoids acid formation in the system.

### Features

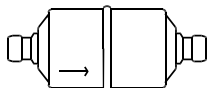


Applications	Advantages	Facts
<ul style="list-style-type: none"> <li>Traditional refrigeration</li> <li>Air conditioning units</li> <li>Transport refrigeration</li> </ul>	<ul style="list-style-type: none"> <li>High drying capacity avoiding the risk of acid formation in the refrigeration system.</li> <li>Driers with flare connections have hard plastic screw type end caps for greater protection and easy removal. Aluminium caps on driers with solder connections.</li> <li>Wide range with sizes from 3 to 75 cubic inches.</li> </ul>	<ul style="list-style-type: none"> <li>100% 3Å molecular sieve core.</li> <li>Optimized for HFC refrigerants (R134a, R404A, R410A, etc.) with POE and PAG oils. Compatible with R22.</li> <li>MWP (PS): up to 42 bar (610 psi).</li> <li>HCFC &amp; HFC refrigerants.</li> <li>Available with flare- or solder connectors (copper-plated steel).</li> <li>Wide range with sizes from 3 to 75 cubic inches.</li> <li>UL and PED approvals – label indicating internal free volume.</li> <li>Can be installed in any position provided "the arrow" is in the direction of flow.</li> </ul>

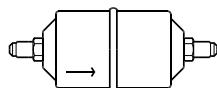
# Technical data and ordering

## Filter drier

Type	Connection		Solid core		Drying capacity [kg refrigerant] <sup>1)</sup>						Liquid capacity in kW <sup>2)</sup>			Solder		Flare
			Surface [cm <sup>3</sup> ]	Volume [cm <sup>3</sup> ]	R134a		R404A R507		R22 R407C R410A		R134a	R404A R507	R22 R407C R410A	Code no. <sup>3)</sup>	Code no. <sup>3)</sup>	Code no. <sup>3)</sup>
	24°C	52°C			24°C	52°C	24°C	52°C	in.	mm						
<b>DML 032</b>	1/4	6	65	41	5.5	5	7.5	4.5	4.5	4	7	5	7	<b>023Z4552<sup>4)</sup></b>	<b>023Z4551<sup>4)</sup></b>	<b>023Z5035<sup>4)</sup></b>
<b>DML 033</b>	3/8	10												<b>023Z4555</b>	<b>023Z4554</b>	023Z5036 <sup>4)</sup>
<b>DML 052</b>	1/4	6	75	65	8.5	8	13	7.5	8	7	7	5	8	<b>023Z4559</b>	<b>023Z4558</b>	<b>023Z5037</b>
<b>DML 053</b>	3/8	10												<b>023Z4562</b>	<b>023Z4561</b>	<b>023Z5038</b>
<b>DML 082</b>	1/4	6	110	100	12.5	12	20	11.5	12.5	11	7	5	8	<b>023Z4567</b>	<b>023Z4566</b>	<b>023Z5039</b>
<b>DML 083</b>	3/8	10												<b>023Z4570</b>	<b>023Z4569</b>	<b>023Z5040</b>
<b>DML 084</b>	1/2	12												<b>023Z4572</b>	<b>023Z4571</b>	<b>023Z5041</b>
<b>DML 085</b>	5/8	16												023Z4573	023Z4573	023Z5073
<b>DML 162</b>	1/4	6												175	225	27
<b>DML 163</b>	3/8	10	<b>023Z4578</b>	<b>023Z4577</b>	<b>023Z5043</b>											
<b>DML 164</b>	1/2	12	<b>023Z4580</b>	<b>023Z4579</b>	<b>023Z5044</b>											
<b>DML 165</b>	5/8	16	<b>023Z4581</b>	<b>023Z4581</b>	<b>023Z5045</b>											
<b>DML 166</b>	3/4	19	023Z4582	023Z4582	<b>023Z5046</b>											
<b>DML 303</b>	3/8	10	330	480	57	54	92.5	51	57	48.5	21	15	23			
<b>DML 304</b>	1/2	12												<b>023Z4587</b>	<b>023Z4586</b>	<b>023Z0050</b>
<b>DML 305</b>	5/8	16												<b>023Z4588</b>	<b>023Z4588</b>	<b>023Z0051</b>
<b>DML 306</b>	3/4	19												<b>023Z4589</b>	<b>023Z4589</b>	023Z0193
<b>DML 307</b>	7/8	22												023Z4590	<b>023Z4590</b>	
<b>DML 414</b>	1/2	12												400	650	80
<b>DML 415</b>	5/8	16	023Z4595	023Z4595	023Z0110											
<b>DML 417</b>	7/8	22	023Z4696	023Z4596												
<b>DML 606</b>	3/4	19	023Z4601	023Z4601												
<b>DML 607</b>	7/8	22	660	960	113	107	185	101	114	97	75	54	82	023Z4602	023Z4602	
<b>DML 609</b>	1 1/8	28												023Z4603	023Z4603	
<b>DML 757</b>	7/8	22												800	1300	160
<b>DML 759</b>	1 1/8	28	023Z4607	023Z4606												



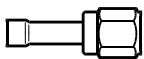
Solder version



Flare version

- <sup>1)</sup> Drying capacity is based on following moisture content test standards before and after drying:  
*R134a*: From 1050 ppm W to 75 ppm W. If drying to 50 ppm W is required, reduce stated capacities by 15%.  
*R404A, R507*: From 1020 ppm W to 30 ppm W.  
*R407C*: From 1020 ppm W to 30 ppm W.  
*R410A*: From 1050 ppm W to 60 ppm W.  
*R22*: From 1050 ppm W to 60 ppm W in accordance with ARI 710-86.
- <sup>2)</sup> Given in accordance with ARI 710-86 for  $t_c = -15^\circ\text{C}$  (5°F),  $t_c = 30^\circ\text{C}$  (85°F) and  $\Delta p = 0.07$  bar (1 psig).
- <sup>3)</sup> Code numbers in bold are normally on stock and a shorter delivery time can therefore be expected.
- <sup>4)</sup> Wire mesh in filter drier outlet.

### Flare / solder adapter



Type	Connection flare x solder in.	Code no. <sup>3)</sup> for 1 pc	Code no. <sup>3)</sup> for 2 pcs.	Type	Connection flare x solder mm	Code no. <sup>3)</sup> for 1 pc	Code no. <sup>3)</sup> for 2 pcs.
<b>FSA 22</b>	1/4 x 1/4	023U8012	<b>023U8002</b>	<b>FSA 26m</b>	1/4 x 6	<b>023U8011</b>	<b>023U8001</b>
<b>FSA 32</b>	3/8 x 1/4	023U8022	-	<b>FSA 36m</b>	3/8 x 6	<b>023U8021</b>	-
<b>FSA 33</b>	3/8 x 3/8	023U8014	<b>023U8004</b>	<b>FSA 310m</b>	3/8 x 10	<b>023U8013</b>	<b>023U8003</b>
<b>FSA 44</b>	1/2 x 1/2	023U8016	<b>023U8006</b>	<b>FSA 412m</b>	1/2 x 12	<b>023U8015</b>	<b>023U8005</b>
<b>FSA 516m</b>	5/8 x 5/8	023U8017	<b>023U8007</b>	<b>FSA 516m</b>	5/8 x 16	<b>023U8017</b>	<b>023U8007</b>
<b>FSA 66</b>	3/4 x 3/4	023U8020	<b>023U8010</b>	<b>FSA 618m</b>	3/4 x 18	<b>023U8019</b>	<b>023U8009</b>

### Accessories



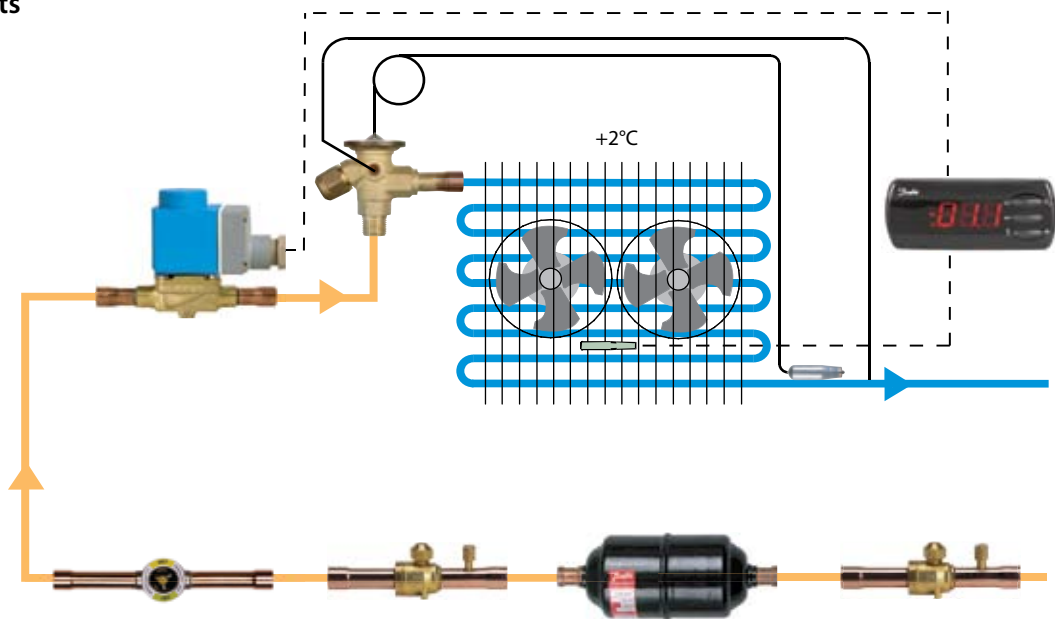
Copper seal	Size	Qty.	Code no. <sup>3)</sup>	Copper seal	Size	Qty.	Code no. <sup>3)</sup>
<b>B2 - 4 spec.</b>	1/4 in./6 mm	300	011L4025	<b>B2 -10</b>	5/8 in./16 mm	100	011L4019
<b>B2 - 6</b>	3/8 in./10 mm	300	011L4017	<b>B2 -12</b>	3/4 in./18 mm	50	011L4020
<b>B2 - 8</b>	1/2 in./12 mm	200	011L4018				

## Quality in everything we do

DML filter driers are part of the Danfoss filter drier program which covers a wide range of components used in refrigeration systems. Our production utilises state-of-the-art technology and every product is thoroughly tested in accordance with the most demanding standards.

If the component you are looking for is not mentioned in this leaflet or if you have special requirements, Danfoss partner wholesalers or our local Danfoss team can offer you help and guidance and will do their utmost to fulfill your needs.

### Related products



### The Danfoss filter drier program

Standard filter driers	Combi filter driers	Bi-flow filter driers	Burn-out filter driers	Filter driers with replaceable solid core