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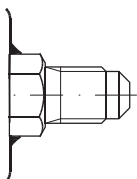
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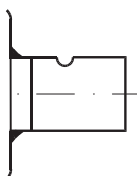
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Eliminator® Liquid line filter driers, Type DCL and DML



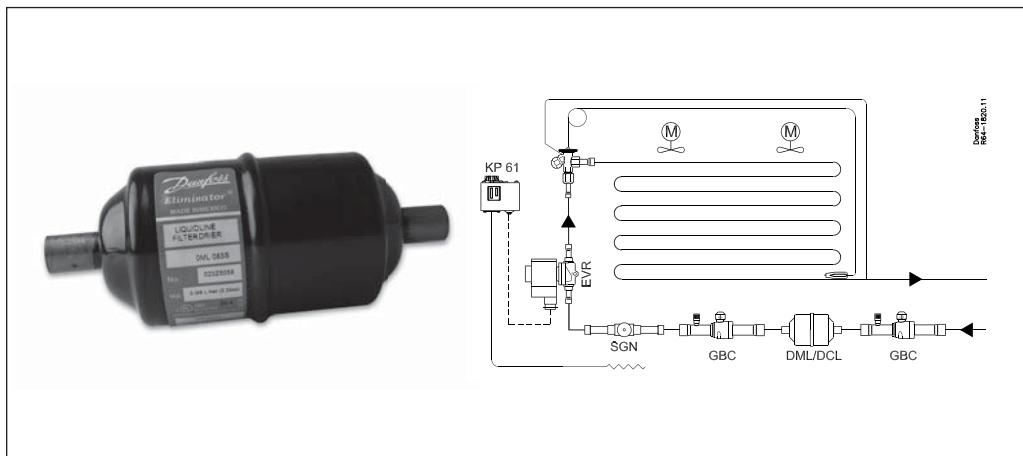
Flare connection



Solder connection (copper)

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Introduction


Eliminator® liquid line filter driers protect refrigeration and air-conditioning systems from moisture, acids, and solid particles. With these contaminants eliminated, systems are safer from harmful chemical reactions and from abrasive impurities.

There are two types of **Eliminator®** cores. Type DML driers have a core composition of 100% Molecular Sieve, while type DCL contain 80% Molecular Sieve with 20% activated alumina.

All **Eliminator®** driers have a solid core with binding material held to an absolute minimum. Core selection is primarily based on the refrigerant oil used in the system.

Eliminator® type DML, with a solid core of 100% Molecular Sieve, is optimized for use with HFC refrigerants and polyolester (POE) or polyalkyl glycol (PAG) oils. Type DML driers are designed for applications requiring high water adsorption, and can be used with any manufacturer's compressor. Because type DML driers contain no activated alumina, oil additives will not be depleted.

Eliminator® type DCL, with a solid core of 80% Molecular Sieve and 20% activated alumina, is the drier of choice for systems with HCFC and CFC refrigerants and mineral or alkyl benzene oils. Type DCL driers are particularly suited for systems that operate at high condensing temperatures and require high drying capacity.

Features
The Core
Type DML

- 100% 3Å Molecular Sieve core.
- High drying capacity minimizing the risk of acid formation (hydrolysis).
- Optimized for HFC refrigerants (R134a, R404A, R410A, etc.) with POE or PAG oils. Compatible with R22.
- Will not deplete oil additives.

Type DCL

- 80% 3Å Molecular Sieve with 20% activated alumina.
- Perfect core blend for systems that operate at high condensing temperatures and require high drying capacity.
- Optimized for CFC and HCFC refrigerants (R22, R502, etc.) with mineral or alkyl benzene oils. Compatible with HFC's and refrigerant blends.

The Shell

- UL approved for MWP up to 46 bar (667 psig)
- Available with solder (copper) and flare connections.
- Compact 3 cubic inches drier ideal for refrigeration and air conditioning units.
- Corrosion resistant powder-painted finish. Can be used in all environments including marine applications.
- Allows installation with any orientation provided the arrow is in the flow direction.
- Available in sizes from 3 to 75 cubic inches.

The Filter

- 25 µm (0.001 in.) filter provides high retention with minimal pressure drop.
- Thermally stable up to 120°C (250°F)

Approvals

UL US UL file no. SA 6398
PED 97/23/EC - a3p3

Technical data

Surface and volume

Filter	Solid core surface [in ²]	Solid core volume [in ³]	Filter drier volume (shell volume) [fl. oz.]	Filter drier volume (net. volume) [fl. oz.]
DML/DCL 03	13	3	2.7	1.28
DML/DCL 05	15	4	4.0	1.72
DML/DCL 08	20	6	5.7	2.18
DML/DCL 16	34	14	12.0	4.11
DML/DCL 30	59	30	24.3	7.58
DML/DCL 41	79	42	32.7	9.66
DML/DCL 60	117	60	45.3	11.89
DML/DCL 75	158	83	61.3	15.23

Acid capacity

Filter	Acid capacity [oz.]
DCL 03	0.02
DCL 05	0.03
DCL 08	0.05
DCL 16	0.11
DCL 30	0.23
DCL 41	0.31
DCL 60	0.45
DCL 75	0.63

Temperature range

- 40 to 70°C (-40 to 160°F)

Technical data and capacities

DML

R134a, R507, R404A, R22, R407C, R410A

Drying and liquid capacity - Type DML

Type	Drying capacity [lbs refrigerant] ¹⁾						Liquid capacity [TR] ²⁾			Max. Working Pressure PS [psig]
	R134a		R404A R507		R22, R407C R410A		R134a	R404A R507	R22 R407C R410A	
	75°F	125°F	75°F	125°F	75°F	125°F				
DML032/032s	12.1	11.0	16.5	9.9	9.9	8.8	2.0	1.4	2.0	667
DML 032.5s	12.1	11.0	16.5	9.9	9.9	8.8	2.6	2.0	2.6	667
DML033/033s	12.1	11.0	16.5	9.9	9.9	8.8	4.9	3.7	5.4	667
DML034s	12.1	11.0	16.5	9.9	9.9	8.8	6.9	4.9	7.4	667
DML052/052s	18.7	17.6	28.7	16.5	17.6	15.4	2.0	1.4	2.3	667
DML 052.5s	18.7	17.6	28.7	16.5	17.6	15.4	2.6	2.0	2.6	667
DML053/053s	18.7	17.6	28.7	16.5	17.6	15.4	5.1	4.0	5.4	667
DML054s	18.7	17.6	28.7	16.5	17.6	15.4	7.1	5.1	7.7	667
DML055s	18.7	17.6	28.7	16.5	17.6	15.4	9.7	7.1	10.6	667
DML082/082s	27.6	26.5	44.1	25.3	27.6	24.3	2.0	1.4	2.3	667
DML 082.5s	27.6	26.5	44.1	25.3	27.6	24.3	2.6	2.3	3.1	667
DML083/083s	27.6	26.5	44.1	25.3	27.6	24.3	5.4	4.0	6.0	667
DML084/084s	27.6	26.5	44.1	25.3	27.6	24.3	7.4	5.7	8.3	667
DML085/085s	27.6	26.5	44.1	25.3	27.6	24.3	12.0	8.8	13.1	667
DML162/162s	59.5	56.2	95.9	52.9	59.5	50.7	2.0	1.4	2.3	667
DML 162.5s	59.5	56.2	95.9	52.9	59.5	50.7	2.6	2.3	3.1	667
DML163/163s	59.5	56.2	95.9	52.9	59.5	50.7	6.3	4.6	6.9	667
DML164/164s	59.5	56.2	95.9	52.9	59.5	50.7	8.6	6.3	9.4	667
DML165/165s	59.5	56.2	95.9	52.9	59.5	50.7	12.3	8.6	13.4	667
DML166/166s	59.5	56.2	95.9	52.9	59.5	50.7	12.6	8.8	13.7	507
DML167s	59.5	56.2	95.9	52.9	59.5	50.7	12.6	8.8	13.7	507
DML303/303s	125.7	119.0	203.9	112.4	125.7	106.9	6.0	4.3	6.6	667
DML304/304s	125.7	119.0	203.9	112.4	125.7	106.9	8.8	6.3	9.7	667
DML305/305s	125.7	119.0	203.9	112.4	125.7	106.9	12.6	9.4	14.0	667
DML306/306s	125.7	119.0	203.9	112.4	125.7	106.9	17.7	12.9	19.4	507
DML307s	125.7	119.0	203.9	112.4	125.7	106.9	17.7	12.9	19.4	507
DML309s	125.7	119.0	203.9	112.4	125.7	106.9	17.7	12.9	19.4	435
DML413	176.4	165.3	286.6	154.3	176.4	163.1	7.1	5.1	7.7	667
DML414/414s	176.4	165.3	286.6	154.3	176.4	163.1	9.1	6.6	10.0	667
DML415/415s	176.4	165.3	286.6	154.3	176.4	163.1	15.1	10.6	16.6	667
DML417s	176.4	165.3	286.6	154.3	176.4	163.1	26.0	18.6	28.6	507
DML419s	176.4	165.3	286.6	154.3	176.4	163.1	26.0	18.6	28.6	435
DML604s	249.1	235.9	407.9	222.7	251.3	213.8	7.7	5.7	8.8	667
DML607s	249.1	235.9	407.9	222.7	251.3	213.8	21.4	15.4	23.4	507
DML609s	249.1	235.9	407.9	222.7	251.3	213.8	24.9	18.3	27.1	435
DML757s	352.7	330.7	573.2	308.6	352.7	326.3	23.4	17.1	25.7	507
DML759s	352.7	330.7	573.2	308.6	352.7	326.3	26.9	19.4	29.1	435

¹⁾ 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.

²⁾ Given in accordance with ARI 710-86 for
 t_c = -15°C (5°F),
 t_c = 30°C (85°F) and
 Δp = 0.07 bar (1 psig).

Technical data and capacities

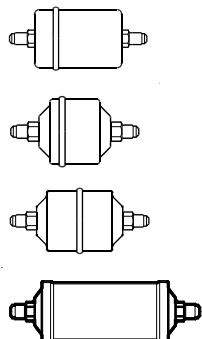
DCL

R134a, R507, R404A, R407C, R410A

Drying and liquid capacity - Type DCL

- 1) 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.
R12:
 From 565 ppm W to 15 ppm W in accordance with ARI 710-86.
R502:
 From 1020 ppm W to 30 ppm W in accordance with ARI 710-86.
- 2) Given in accordance with ARI 710-86 for
 $t_e = -15^{\circ}\text{C}$ (5°F),
 $t_c = 30^{\circ}\text{C}$ (85°F) and
 $\Delta p = 0.07$ bar (1 psig).

Type	Drying capacity [lbs refrigerant] ¹⁾						Liquid capacity [TR] ²⁾			Max. Working Pressure PS [psi]
	R134a		R404A R507		R407C R410A		R134a	R404A R507	R407C R410A	
	75°F	125°F	75°F	125°F	75°F	125°F				
DCL032/032s	9.9	8.8	15.4	7.7	8.8	7.7	2.0	1.4	2.0	667
DCL 032.5s	9.9	8.8	15.4	7.7	8.8	7.7	2.6	2.0	2.6	667
DCL033/033s	9.9	8.8	15.4	7.7	8.8	7.7	4.9	3.7	5.4	667
DCL052/052s	13.7	13.2	22.0	12.1	13.2	12.1	2.0	1.4	2.3	667
DCL 052.5s	13.7	13.2	22.0	12.1	13.2	12.1	2.6	2.0	2.6	667
DCL053/053s	13.7	13.2	22.0	12.1	13.2	12.1	5.1	4.0	5.4	667
DCL082/082s	22.0	19.8	35.3	17.6	20.9	19.8	2.0	1.4	2.3	667
DCL 082.5s	22.0	19.8	35.3	17.6	20.9	19.8	2.6	2.3	3.1	667
DCL083/083s	22.0	19.8	35.3	17.6	20.9	19.8	5.4	4.0	6.0	667
DCL084/084s	22.0	19.8	35.3	17.6	20.9	19.8	7.4	5.7	8.3	667
DCL162/162s	52.9	48.5	81.6	44.1	48.5	44.1	2.0	1.4	2.3	667
DCL 162.5s	52.9	48.5	81.6	44.1	48.5	44.1	2.6	2.3	3.1	667
DCL163/163s	52.9	48.5	81.6	44.1	48.5	44.1	5.4	4.6	6.9	667
DCL164/164s	52.9	48.5	81.6	44.1	48.5	44.1	8.6	6.3	9.4	667
DCL165/165s	52.9	48.5	81.6	44.1	48.5	44.1	12.3	8.6	13.4	667
DCL166/166s	52.9	48.5	81.6	44.1	48.5	44.1	12.3	8.6	13.4	507
DCL167s	52.9	48.5	81.6	44.1	48.5	44.1	12.6	8.6	13.4	507
DCL303/303s	103.6	97.0	169.8	90.4	97.0	90.4	6.0	4.3	6.6	667
DCL304/304s	103.6	97.0	169.8	90.4	97.0	90.4	8.8	6.3	9.7	667
DCL305/305s	103.6	97.0	169.8	90.4	97.0	90.4	12.6	9.4	14.0	667
DCL306/306s	103.6	97.0	169.8	90.4	97.0	90.4	17.7	12.9	19.4	507
DCL307s	103.6	97.0	169.8	90.4	97.0	90.4	17.7	12.9	19.4	507
DCL309s	103.6	97.0	169.8	90.4	97.0	90.4	17.7	12.9	19.4	435
DCL413	143.3	134.5	233.7	123.5	134.5	123.5	7.1	5.1	7.7	667
DCL414/414s	143.3	134.5	233.7	123.5	134.5	123.5	9.1	6.6	10.0	667
DCL415/415s	143.3	134.5	233.7	123.5	134.5	123.5	15.1	10.6	16.6	667
DCL417s	143.3	134.5	233.7	123.5	134.5	123.5	25.9	18.6	28.6	507
DCL419s	143.3	134.5	233.7	123.5	134.5	123.5	25.9	18.6	28.6	435
DCL604s	207.2	167.6	330.7	180.8	196.2	180.8	7.7	5.7	8.8	667
DCL607s	207.2	167.6	330.7	180.8	196.2	180.8	21.4	15.4	23.4	507
DCL609s	207.2	167.6	330.7	180.8	196.2	180.8	24.9	18.3	27.1	435
DCL757s	286.6	282.2	467.4	251.3	266.8	246.9	23.4	17.1	25.7	507
DCL759s	286.6	282.2	467.4	251.3	266.8	246.9	26.9	19.4	29.1	435

Ordering

Flare
DCL

Type	Conn.		Multipack	Industrialpack/ for OEM only		
	in.	mm	Code no.	Code no.	Qty.	
DCL 032	1/4	6	023Z5000*	023Z8075	28	
DCL 032	1/4	6	023Z5075			
DCL 033	3/8	10	023Z5001*			
DCL 033	3/8	10	023Z5089			023Z8089
DCL 052	1/4	6	023Z5002	023Z8002	16	
DCL 053	3/8	10	023Z5003	023Z8003		
DCL 082	1/4	6	023Z5004	023Z8004	16	
DCL 083	3/8	10	023Z5005	023Z8005		
DCL 084	1/2	12	023Z5006	023Z8006		
DCL 162	1/4	6	023Z5007	023Z8007	12	
DCL 163	3/8	10	023Z5008	023Z8008		
DCL 164	1/2	12	023Z5009	023Z8009		
DCL 165	5/8	16	023Z5010	023Z8010		
DCL 166	3/4	19	023Z5011			
DCL 303	3/8	10	023Z0012	023Z3013	8	
DCL 304	1/2	12	023Z0013			
DCL 305	5/8	16	023Z0014			023Z3014
DCL 306	3/4	19	023Z0156			023Z3156
DCL 413	3/8	10	023Z0101			
DCL 414	1/2	12	023Z0102			
DCL 415	5/8	16	023Z0103			

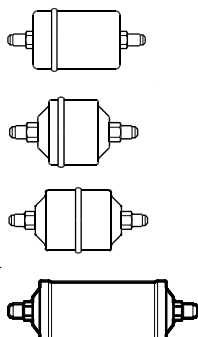
* Wire mesh in filter drier outlet

Solder (copper)
DCL

Type	Conn.	Multipack	Industrialpack for OEM only		Conn.	Multipack	Industrialpack for OEM only		
	in.	Code no.	Code no.	Qty.	mm	Code no.	Code no.	Qty.	
DCL 032s	1/4	023Z5013*	023Z8013*	28	6	023Z5012*	023Z8012*	28	
DCL 032.5s	5/16	023Z5014	023Z8014*		8	023Z5014	023Z8014*		
DCL 033s	3/8	023Z5015			10	023Z5016			
DCL 052s	1/4	023Z5018	023Z8018	16	6	023Z5017	023Z8017	16	
DCL 052.5s	5/16	023Z5114			8	023Z5114			
DCL 053s	3/8	023Z5019	023Z8019		10	023Z5020	023Z8020		
DCL 082s	1/4	023Z5022	023Z8022	16	6	023Z5021		16	
DCL 082.5s	5/16	023Z5116			8	023Z5116			
DCL 083s	3/8	023Z5023	023Z8023		10	023Z5024			
DCL 084s	1/2	023Z5026	023Z8026		12	023Z5025			023Z8025
DCL 162s	1/4	023Z5028		12	6	023Z5027		12	
DCL 162.5s	5/16	023Z5118			8	023Z5118			
DCL 163s	3/8	023Z5029			10	023Z5030			023Z8030
DCL 164s	1/2	023Z5032			12	023Z5031			
DCL 165s	5/8	023Z5033			16	023Z5033			023Z8033
DCL 166s	3/4	023Z5070	19	023Z5070					
DCL 167s	7/8	023Z5034	22	023Z5034					
DCL 303s	3/8	023Z0030	023Z3030	8	10	023Z0196		8	
DCL 304s	1/2	023Z0031			12	023Z0198			023Z3198
DCL 305s	5/8	023Z0032	023Z3032		16	023Z0032			023Z3032
DCL 306s	3/4	023Z0033			18	023Z0216			
DCL 307s	7/8	023Z0034	023Z3034		22	023Z0034			023Z3034
DCL 309s	1 1/8	023Z0035			28	023Z0200			
DCL 414s	1/2	023Z0104			12	023Z0227			
DCL 415s	5/8	023Z0105		16	023Z0105				
DCL 417s	7/8	023Z0106		22	023Z0106				
DCL 419s	1 1/8	023Z0107		28	023Z0202				
DCL 604s	1/2	023Z0241		12	023Z0221				
DCL 607s	7/8	023Z0036		22	023Z0036				
DCL 609s	1 1/8	023Z0037		28	023Z0204				
DCL 757s	7/8	023Z0115		22	023Z0115				
DCL 759s	1 1/8	023Z0116		28	023Z0206				

* Wire mesh in filter drier outlet

Ordering (cont.)



Flare

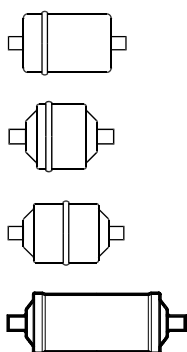
DML

Type	Conn.		Multipack	Industrialpack for OEM only		Qty.
	in.	mm	Code no.	Code no.		
DML 032	1/4	6	023Z5035*	023Z8035*	28	
DML 033	3/8	10	023Z5036*	023Z8036*		
DML 033	3/8	10	023Z5090	023Z8090		
DML 052	1/4	6	023Z5037	023Z8037	16	
DML 053	3/8	10	023Z5038	023Z8038		
DML 082	1/4	6	023Z5039	023Z8039	16	
DML 083	3/8	10	023Z5040	023Z8040		
DML 084	1/2	12	023Z5041	023Z8041		
DML 085	5/8	16	023Z5073	023Z8073		
DML 162	1/4	6	023Z5042	023Z8042	12	
DML 163	3/8	10	023Z5043	023Z8043		
DML 164	1/2	12	023Z5044	023Z8044		
DML 165	5/8	16	023Z5045	023Z8045		
DML 166	3/4	19	023Z5046	023Z8046		
DML 303	3/8	10	023Z0049	023Z3049		8
DML 304	1/2	12	023Z0050	023Z3050		
DML 305	5/8	16	023Z0051	023Z3051		
DML 306	3/4	19	023Z0193	023Z3193		
DML 413	3/8	10	023Z0108	023Z3108	6	
DML 414	1/2	12	023Z0109	023Z3109		
DML 415	5/8	16	023Z0110	023Z3110		

* Wire mesh in filter drier outlet

Solder (copper)

DML



Type	Conn.	Multipack	Industrialpack for OEM only		Conn.	Multipack	Industrialpack for OEM only	
	in.	Code no.	Code no.	Qty.	mm	Code no.	Code no.	Qty.
DML 032s	1/4	023Z5048*	023Z8048*	28	6	023Z5047*	023Z8047*	28
DML 032.5s	5/16	023Z5049	023Z8049		8	023Z5049	023Z8049	
DML 033s	3/8	023Z5050	023Z8050*		10	023Z5051	023Z8051*	
DML 034s	1/2	023Z5121		12	023Z5123			
DML 052s	1/4	023Z5053	023Z8054	16	6	023Z5052	023Z8052	16
DML 052.5s	5/16	023Z5115			8	023Z5115		
DML 053s	3/8	023Z5054			10	023Z5055	023Z8055	
DML 054s	1/2	023Z5101			12	023Z5099		
DML 055s	5/8	023Z5100			16	023Z5100		
DML 082s	1/4	023Z5057			6	023Z5056		
DML 082.5s	5/16	023Z5117	8	023Z5117				
DML 083s	3/8	023Z5058	023Z8061	16	10	023Z5059		
DML 084s	1/2	023Z5061			12	023Z5060		
DML 085s	5/8	023Z5072			16	023Z5072		
DML 162s	1/4	023Z5063			023Z8133	6	023Z5062	
DML 162.5s	5/16	023Z5119		8	023Z5119			
DML 163s	3/8	023Z5064	023Z8134	12	10	023Z5065	12	
DML 164s	1/2	023Z5067	023Z8067		12	023Z5066		
DML 165s	5/8	023Z5068	023Z8068		16	023Z5068		023Z8068
DML 166s	3/4	023Z5071	023Z8071		19	023Z5071		023Z8071
DML 167s	7/8	023Z5069			22	023Z5069		
DML 303s	3/8	023Z0067			10	023Z0197		
DML 304s	1/2	023Z0068		12	023Z0199			
DML 305s	5/8	023Z0069	023Z3069	8	16	023Z0069	023Z3069	
DML 306s	3/4	023Z0070			19	023Z0070		
DML 307s	7/8	023Z0071	023Z3071		22	023Z0071	023Z3071	
DML 309s	1 1/8	023Z0072			28	023Z0201		
DML 414s	1/2	023Z0111		6	12	023Z0228		
DML 415s	5/8	023Z0112			16	023Z0112		
DML 417s	7/8	023Z0113	023Z3113		22	023Z0113	023Z3113	
DML 419s	1 1/8	023Z0114	023Z3114		28	023Z0203		
DML 604s	1/2	023Z0224		4	12	023Z0229		
DML 607s	7/8	023Z0073			22	023Z0073		
DML 609s	1 1/8	023Z0074			28	023Z0205		
DML 757s	7/8	023Z0117	023Z3117		22	023Z0117	023Z3117	
DML 759s	1 1/8	023Z0118	023Z3118	28	023Z0207			

* Wire mesh in filter drier outlet

Identification

Example for type codes

D C L 05 3 s

Type codes

Filter drier	D	
Solid core	C	80 / 20% composite core
	M	100% Molecular Sieve core
Application	L	Liquid line
Size (volume)	03	3 in ³
	05	5 in ³
	08	8 in ³
	16	16 in ³
	30	30 in ³
	41	41 in ³
	60	60 in ³
Connection (filter connection in 1/8 of an inch increments)	2	1/4 in. / 6mm
	2.5	5/16 in. / 8 mm
	3	3/8 in. / 10 mm
	4	1/2 in. / 12 mm
	5	5/8 in. / 16 mm
	6	3/4 in. / 18 (19) mm
	7	7/8 in. / 22 mm
Connection type	(blank)	Flare connection
	s	Solder connection

Selection

Type selection is made considering the application

- 1) For CFC systems, DCL filter driers are recommended. In these systems, circumstances may require the use of a filter drier with acid adsorbing properties.
- 2) Use of filter driers containing activated alumina are not recommended in systems with oils containing additives.

		DCL	DML
Refrigerant	HFC	Can be used	Recommended
	HCFC	Recommended	Can be used
	CFC	Recommended	Not recommended ¹⁾
Oil	Mineral or AB	Recommended	Can be used
	POE or PAG, pure	Can be used	Recommended
	POE or PAG, with additives	Not recommended ²⁾	Recommended

Selection example

Select the appropriate type (DML or DCL) based on refrigerant and oil type. Then select the drier size based on the adsorption and liquid capacity required.

3/8 inch connection must be chosen. Larger connections can be chosen in accordance with the liquid line dimension.

a. Amount of charge: 55 lbs R134a at t_L = 75°F To dry 55 lbs R134a at 75°F from 1050 to 60 ppm moisture, a DML 16 is necessary.

c. Result
DML 163 or DML 163s can be used.

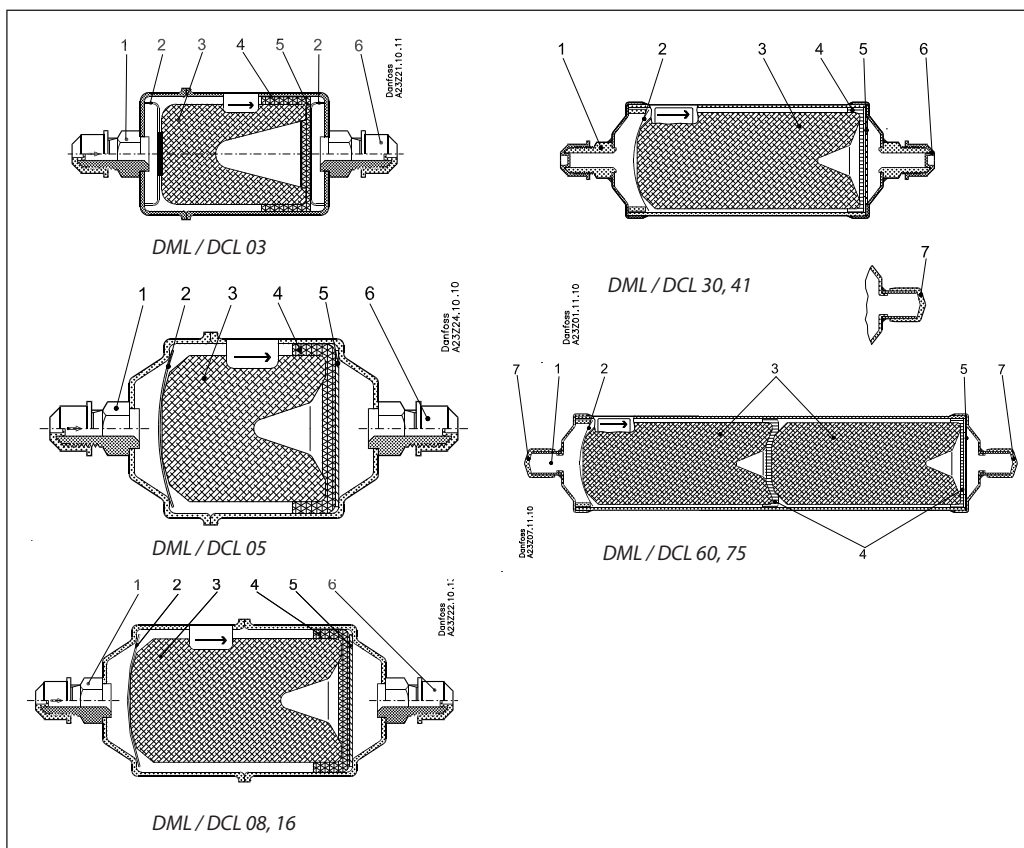
b. Cooling capacity: Q_e = 5.7 TR
To obtain a mass flow corresponding to 5.7 TR cooling capacity with a DML 16 filter drier, a

If the initial moisture content is very small or a planned change of the filter drier is considered, a smaller filter drier size can be chosen.

Type	Drying capacity [lbs refrigerant] ¹⁾						Liquid capacity [tons] ²⁾			Max. Working Pressure PS [psig]
	R134a		R404A R507		R22, R407C R410A		R134a	R404A R507	R22 R407C R410A	
	75°F	125°F	75°F	125°F	75°F	125°F				
DML 032/032s	12.1	11.0	16.5	9.9	9.9	8.8	2.0	1.4	2.0	667
DML 032.5s	12.1	11.0	16.5	9.9	9.9	8.8	2.6	2.0	2.6	667
DML 032.5s	12.1	11.0	16.5	9.9	9.9	8.8	4.9	2.0	2.6	667

DML 162/162s	59.5	56.2	95.9	52.9	59.5	50.7	2.6	1.4	2.3	667
DML 162.5s	59.5	56.2	95.9	52.9	59.5	50.7	2.6	2.3	3.1	667
DML 163/163s	59.5	56.2	95.9	52.9	59.5	50.7	6.3	4.6	6.9	667
DML 164/164s	59.5	56.2	95.9	52.9	59.5	50.7	8.6	6.3	9.4	667
DML 165/165s	59.5	56.2	95.9	52.9	59.5	50.7	12.3	8.6	13.4	667
DML 166/166s	59.5	56.2	95.9	52.9	59.5	50.7	12.6	8.6	13.4	507
DML 166.5s	59.5	56.2	95.9	52.9	59.5	50.7	12.6	8.6	13.4	507

Design and function



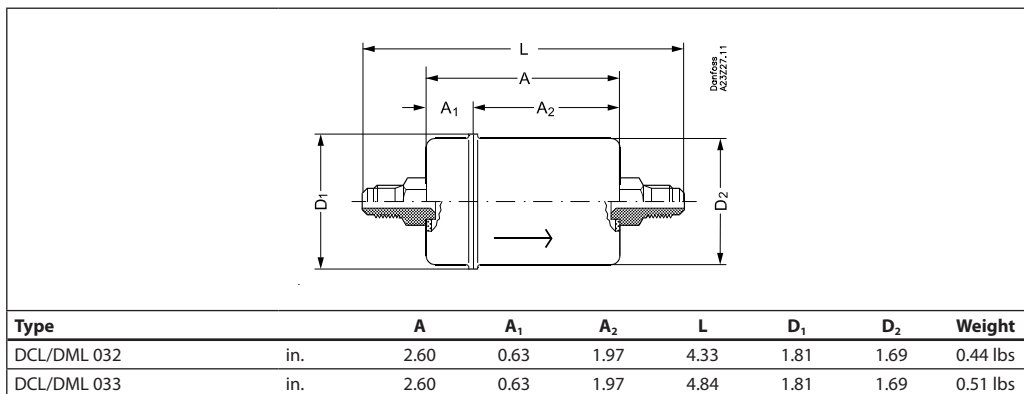
- 1. Inlet
- 2. Spring
- 3. Solid core
- 4. Polyester mat
- 5. Perforated plate
- 6. Seal cap, flare connection
- 7. Seal cap, solder connection

The relatively large diameter of the filter drier means that the liquid flow velocity is suitably low and the pressure drop minimal.

Powder formation is eliminated because the solid core grains are bonded and cannot move against each other.

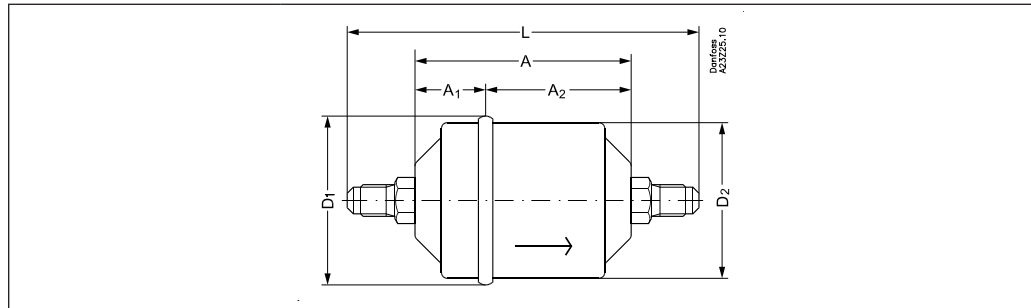
Dimensions and weights

Flare connections

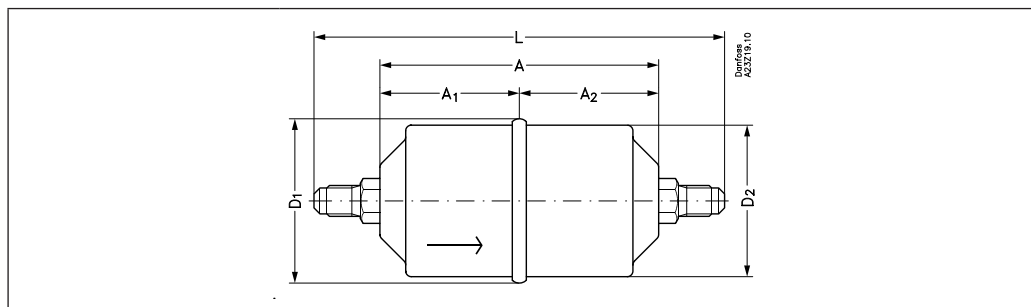


Dimensions and weights
(cont.)

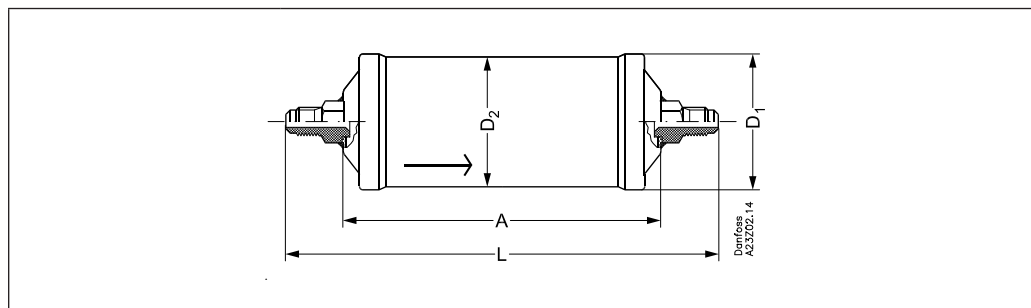
Flare connections



Type		A	A ₁	A ₂	L	D ₁	D ₂	Weight
DCL/DML 052	in.	2.95	0.96	1.99	4.69	2.28	2.13	0.86 lbs
DCL/DML 053	in.	2.95	0.96	1.99	5.20	2.28	2.13	0.92 lbs



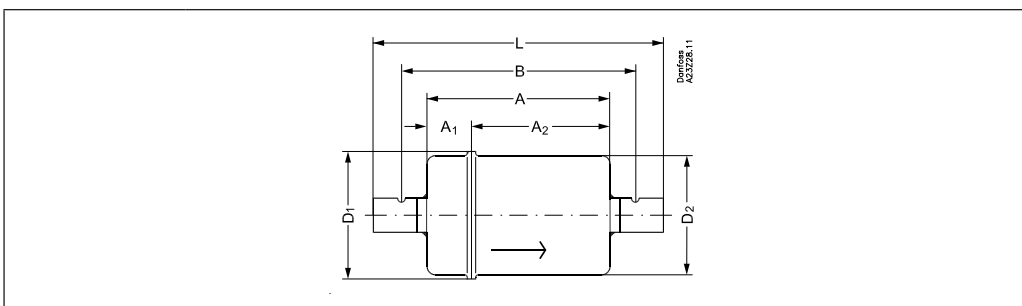
Type		A	A ₁	A ₂	L	D ₁	D ₂	Weight
DCL/DML 082	in.	3.98	1.99	1.99	5.71	2.28	2.13	0.88 lbs
DCL/DML 083	in.	3.98	1.99	1.99	6.22	2.28	2.13	0.97 lbs
DCL/DML 084	in.	3.98	1.99	1.99	6.54	2.28	2.13	1.06 lbs
DML 085	in.	3.98	1.99	1.99	6.89	2.28	2.13	1.14 lbs
DCL/DML 162	in.	4.33	2.17	2.17	6.06	3.15	2.99	1.74 lbs
DCL/DML 163	in.	4.33	2.17	2.17	6.57	3.15	2.99	1.80 lbs
DCL/DML 164	in.	4.33	2.17	2.17	6.89	3.15	2.99	1.91 lbs
DCL/DML 165	in.	4.33	2.17	2.17	7.24	3.15	2.99	2.00 lbs
DCL/DML 166	in.	4.33	2.17	2.17	7.17	3.15	2.99	2.18 lbs



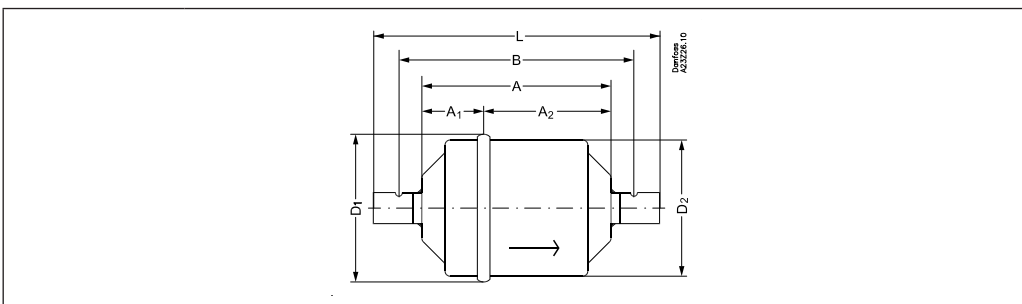
Type		A	A ₁	A ₂	L	D ₁	D ₂	Weight
DCL/DML 303	in.	7.32	-	-	9.57	3.15	2.99	2.93 lbs
DCL/DML 304	in.	7.32	-	-	9.88	3.15	2.99	3.04 lbs
DCL/DML 305	in.	7.32	-	-	10.24	3.15	2.99	3.12 lbs
DCL/DML 306	in.	7.32	-	-	10.16	3.15	2.99	3.28 lbs
DCL/DML 413	in.	7.36	-	-	9.61	3.66	3.50	4.09 lbs
DCL/DML 414	in.	7.36	-	-	9.92	3.66	3.50	4.20 lbs
DCL/DML 415	in.	7.36	-	-	10.28	3.66	3.50	4.29 lbs

Dimensions and weights
(cont.)

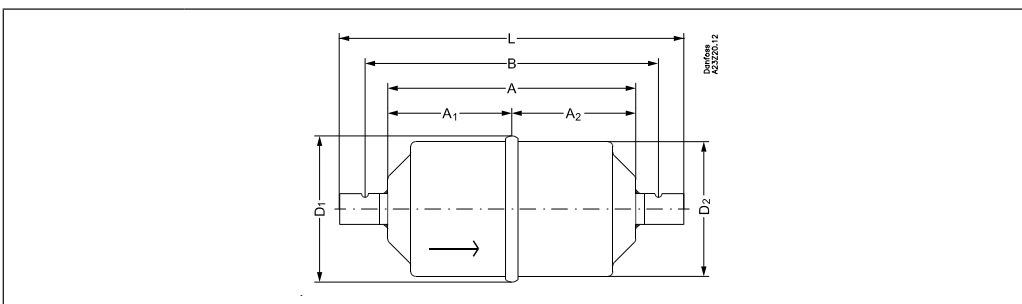
Solder connections



Type		A	A ₁	A ₂	B	L	D ₁	D ₂	Weight
DCL/DML 032s	in.	2.60	0.63	1.97	3.23	3.86	1.81	1.69	0.39 lbs
DCL/DML 032.5s	in.	2.60	0.63	1.97	3.31	4.02	1.81	1.69	0.42 lbs
DCL/DML 033s	in.	2.60	0.63	1.97	3.35	4.09	1.81	1.69	0.42 lbs
DCL/DML 034s	in.	2.60	0.63	1.97	3.43	4.25	1.81	1.69	0.44 lbs



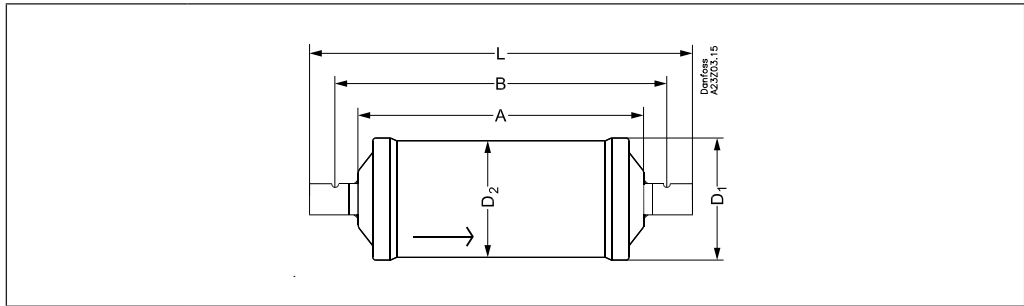
Type		A	A ₁	A ₂	B	L	D ₁	D ₂	Weight
DCL/DML 052s	in.	2.95	0.96	1.99	3.58	4.21	2.28	2.13	0.81 lbs
DCL/DML 052.5s	in.	2.95	0.96	1.99	3.66	4.37	2.28	2.13	0.84 lbs
DCL/DML 053s	in.	2.95	0.96	1.99	3.70	4.45	2.28	2.13	0.84 lbs
DML 054s	in.	2.95	0.96	1.99	3.78	4.61	2.28	2.13	0.86 lbs
DML 055s	in.	2.95	0.96	1.99	3.90	4.84	2.28	2.13	0.88 lbs



Type		A	A ₁	A ₂	B	L	D ₁	D ₂	Weight
DCL/DML 082s	in.	3.98	1.99	1.99	4.61	5.24	2.28	2.13	0.84 lbs
DCL/DML 082.5s	in.	3.98	1.99	1.99	4.69	5.39	2.28	2.13	0.86 lbs
DCL/DML 083s	in.	3.98	1.99	1.99	4.72	5.47	2.28	2.13	0.86 lbs
DCL/DML 084s	in.	3.98	1.99	1.99	4.80	5.63	2.28	2.13	0.88 lbs
DML 085s	in.	3.98	1.99	1.99	4.92	5.87	2.28	2.13	0.90 lbs
DCL/DML 162s	in.	4.33	2.17	2.17	4.96	5.59	3.15	2.99	1.69 lbs
DCL/DML 162.5s	in.	4.33	2.17	2.17	5.04	5.75	3.15	2.99	1.72 lbs
DCL/DML 163s	in.	4.33	2.17	2.17	5.08	5.83	3.15	2.99	1.72 lbs
DCL/DML 164s	in.	4.33	2.17	2.17	5.16	5.98	3.15	2.99	1.74 lbs
DCL/DML 165s	in.	4.33	2.17	2.17	5.28	6.22	3.15	2.99	1.76 lbs
DCL/DML 166s	in.	4.33	2.17	2.17	5.51	6.69	3.15	2.99	1.80 lbs
DCL/DML 167s	in.	4.33	2.17	2.17	5.35	6.77	3.15	2.99	1.85 lbs

Dimensions and weights
(cont.)

Solder connections



Type		A	A ₁	A ₂	B	L	D ₁	D ₂	Weight
DCL/DML 303s	in.	7.32	-	-	8.07	8.82	3.15	2.99	2.84 lbs
DCL/DML 304s	in.	7.32	-	-	8.15	8.98	3.15	2.99	2.86 lbs
DCL/DML 305s	in.	7.32	-	-	8.27	9.21	3.15	2.99	2.88 lbs
DCL/DML 306s	in.	7.32	-	-	8.50	9.69	3.15	2.99	2.93 lbs
DCL/DML 307s	in.	7.32	-	-	8.35	9.76	3.15	2.99	2.97 lbs
DCL/DML 309s	in.	7.32	-	-	8.15	9.80	3.15	2.99	2.99 lbs
DCL/DML 414s	in.	7.36	-	-	8.19	9.02	3.66	3.50	4.47 lbs
DCL/DML 415s	in.	7.36	-	-	8.31	9.25	3.66	3.50	4.49 lbs
DCL/DML 417s	in.	7.36	-	-	8.39	9.80	3.66	3.50	4.58 lbs
DCL/DML 419s	in.	7.36	-	-	8.19	9.84	3.66	3.50	4.60 lbs
DCL/DML 604s	in.	13.27	-	-	14.09	14.92	3.15	2.99	5.15 lbs
DCL/DML 607s	in.	13.27	-	-	14.29	14.71	3.15	2.99	5.26 lbs
DCL/DML 609s	in.	13.27	-	-	14.09	14.75	3.15	2.99	5.28 lbs
DCL/DML 757s	in.	13.31	-	-	14.33	15.75	3.66	3.50	7.44 lbs
DCL/DML 759s	in.	13.31	-	-	14.13	15.79	3.66	3.50	7.46 lbs

Conversions

$$\text{Drops of water} = \frac{(\text{lbs of refrigerant} \times (\text{Initial PPM of water} - \text{Final PPM of water}))}{110}$$

See ARI standard 710-86 for recommended initial and final PPM values for different refrigerants.

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