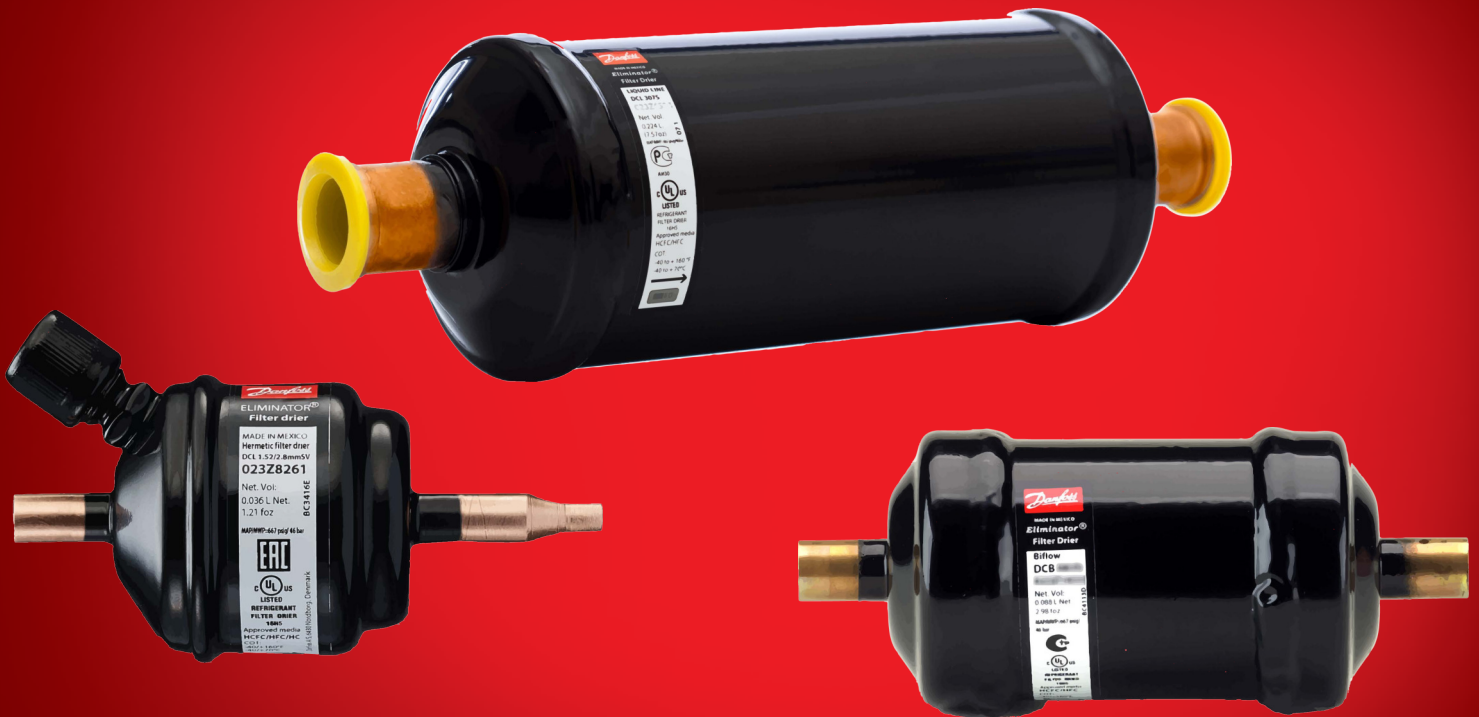


Danfoss Solid Core Filter Driers



**Easy
service and
superior system
protection**

Danfoss filter driers function as a superior drop-in replacement for most driers sold in the aftermarket or installed on equipment by manufacturers. All Danfoss filter driers are constructed with a solid core design to maximize moisture removal while minimizing pressure drop. These driers use a mixture of molecular sieve and activated alumina to adsorb system moisture, capture acid and prevent solid contaminants from entering the system. The Danfoss 1.5 cubic inch hermetic filter drier is an excellent choice to replace loose bead copper spun driers for use in cap tube systems.

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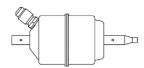
Danfoss

Technical data and ordering

DCL/DCB Liquid Line/Bi-flow Filter Driers

| Danfoss Type | Connection (in.) | Max. working pressure (psig) | Drying capacity (lbs. of refrigerant) ² | | | | | | | | Liquid capacity (tons) ² | | | | Danfoss Code No. |
|-----------------|------------------|------------------------------|--|--------|--------|--------|--------|--------|--------|--------|-------------------------------------|--------|-------|--------|-----------------------|
| | | | R-134a | | R-404A | | R-22 | | R-410A | | R-134a | R-404A | R-22 | R-410A | |
| | | | 75°F | 125°F | 75°F | 125°F | 75°F | 125°F | 75°F | 125°F | | | | | |
| DCL 1.52/2.8mms | ¼ solder | 667 | 5.10 | 4.60 | 5.30 | 5.10 | 5.10 | 4.60 | 4.60 | 4.20 | 0.80 | 0.50 | 0.90 | 0.80 | 023Z8255 |
| DCL 032s | ¼ solder | 667 | 8.50 | 8.00 | 9.10 | 8.70 | 8.60 | 8.00 | 7.80 | 7.20 | 1.90 | 1.42 | 2.12 | 2.11 | 023Z5013 ¹ |
| DCL 032 | ¼ flare | 667 | 8.50 | 8.00 | 9.10 | 8.70 | 8.60 | 8.00 | 7.80 | 7.20 | 1.90 | 1.42 | 2.12 | 2.11 | 023Z5000 ¹ |
| DCL 052s | ¼ solder | 667 | 13.60 | 12.80 | 14.60 | 13.80 | 13.80 | 12.70 | 12.40 | 11.40 | 2.18 | 1.60 | 2.40 | 2.37 | 023Z5018 |
| DCL 052 | ¼ flare | 667 | 13.60 | 12.80 | 14.60 | 13.80 | 13.80 | 12.70 | 12.40 | 11.40 | 2.18 | 1.60 | 2.40 | 2.37 | 023Z5002 |
| DCL 053s | ¾ solder | 667 | 13.60 | 12.80 | 14.60 | 13.80 | 13.80 | 12.70 | 12.40 | 11.40 | 3.66 | 2.79 | 4.10 | 4.15 | 023Z5019 |
| DCL 053 | ¾ flare | 667 | 13.60 | 12.80 | 14.60 | 13.80 | 13.80 | 12.70 | 12.40 | 11.40 | 3.66 | 2.79 | 4.10 | 4.15 | 023Z5003 |
| DCL 082s | ¼ solder | 667 | 21.70 | 20.50 | 23.30 | 22.10 | 22.00 | 20.30 | 19.80 | 18.20 | 2.18 | 1.55 | 2.37 | 2.28 | 023Z5022 |
| DCL 082 | ¼ flare | 667 | 21.70 | 20.50 | 23.30 | 22.10 | 22.00 | 20.30 | 19.80 | 18.20 | 2.18 | 1.55 | 2.37 | 2.28 | 023Z5004 |
| DCL 083s | ¾ solder | 667 | 21.70 | 20.50 | 23.30 | 22.10 | 22.00 | 20.30 | 19.80 | 18.20 | 4.03 | 3.12 | 4.56 | 4.65 | 023Z5023 |
| DCL 084s | ½ solder | 667 | 21.70 | 20.50 | 23.30 | 22.10 | 22.00 | 20.30 | 19.80 | 18.20 | 8.14 | 6.07 | 9.03 | 8.99 | 023Z5026 |
| DCL 084 | ½ flare | 667 | 21.70 | 20.50 | 23.30 | 22.10 | 22.00 | 20.30 | 19.80 | 18.20 | 8.14 | 6.07 | 9.03 | 8.99 | 023Z5006 |
| DCL 162 | ¼ flare | 667 | 47.70 | 45.10 | 51.30 | 48.60 | 48.30 | 44.70 | 43.50 | 40.10 | 2.18 | 1.54 | 2.36 | 2.28 | 023Z5007 |
| DCL 163s | ¾ solder | 667 | 47.70 | 45.10 | 51.30 | 48.60 | 48.30 | 44.70 | 43.50 | 40.10 | 4.64 | 3.18 | 4.95 | 4.67 | 023Z5029 |
| DCL 163 | ¾ flare | 667 | 47.70 | 45.10 | 51.30 | 48.60 | 48.30 | 44.70 | 43.50 | 40.10 | 4.64 | 3.18 | 4.95 | 4.67 | 023Z5008 |
| DCL 164s | ½ solder | 667 | 47.70 | 45.10 | 51.30 | 48.60 | 48.30 | 44.70 | 43.50 | 40.10 | 9.15 | 6.69 | 10.07 | 9.90 | 023Z5032 |
| DCL 165s | ¾ solder | 667 | 47.70 | 45.10 | 51.30 | 48.60 | 48.30 | 44.70 | 43.50 | 40.10 | 12.69 | 10.41 | 14.74 | 15.59 | 023Z5033 |
| DCL 165 | ¾ flare | 667 | 47.70 | 45.10 | 51.30 | 48.60 | 48.30 | 44.70 | 43.50 | 40.10 | 12.69 | 10.41 | 14.74 | 15.59 | 023Z5010 |
| DCL 303s | ¾ solder | 667 | 100.50 | 95.00 | 108.00 | 102.40 | 101.80 | 94.10 | 91.60 | 84.40 | 4.46 | 3.00 | 4.72 | 4.40 | 023Z0030 |
| DCL 303 | ¾ flare | 667 | 100.50 | 95.00 | 108.00 | 102.40 | 101.80 | 94.10 | 91.60 | 84.40 | 4.46 | 3.00 | 4.72 | 4.40 | 023Z0012 |
| DCL 304s | ½ solder | 667 | 100.50 | 95.00 | 108.00 | 102.40 | 101.80 | 94.10 | 91.60 | 84.40 | 9.24 | 7.11 | 10.41 | 10.58 | 023Z0031 |
| DCL 304 | ½ flare | 667 | 100.50 | 95.00 | 108.00 | 102.40 | 101.80 | 94.10 | 91.60 | 84.40 | 9.24 | 7.11 | 10.41 | 10.58 | 023Z0013 |
| DCL 305s | ¾ solder | 667 | 100.50 | 95.00 | 108.00 | 102.40 | 101.80 | 94.10 | 91.60 | 84.40 | 13.00 | 10.51 | 14.99 | 15.72 | 023Z0032 |
| DCL 305 | ¾ flare | 667 | 100.50 | 95.00 | 108.00 | 102.40 | 101.80 | 94.10 | 91.60 | 84.40 | 13.00 | 10.51 | 14.99 | 15.72 | 023Z0014 |
| DCL 307s | ¾ solder | 667 | 100.50 | 95.00 | 108.00 | 102.40 | 101.80 | 94.10 | 91.60 | 84.40 | 18.27 | 15.34 | 21.44 | 23.05 | 023Z0034 |
| DCL 415s | ¾ solder | 667 | 139.50 | 131.90 | 150.00 | 142.20 | 141.30 | 130.70 | 127.30 | 117.30 | 15.78 | 11.9 | 17.61 | 17.66 | 023Z0105 |
| DCL 417s | ¾ solder | 500 | 139.50 | 131.90 | 150.00 | 142.20 | 141.30 | 130.70 | 127.30 | 117.30 | 18.98 | 16.01 | 22.32 | 24.08 | 023Z0106 |
| DCL 607s | ¾ solder | 667 | 200.90 | 189.90 | 216.00 | 204.80 | 203.50 | 188.20 | 183.30 | 168.90 | 19.93 | 19.94 | 25.16 | 30.71 | 023Z0036 |
| DCB 083s | ¾ solder | 667 | 15.60 | 14.70 | 16.70 | 15.80 | 15.60 | 14.50 | 14.10 | 13.00 | 2.10 | 1.50 | 2.30 | 2.30 | 023Z1433 |
| DCB 163s | ¾ solder | 667 | 29.30 | 27.70 | 31.50 | 29.90 | 29.70 | 27.50 | 26.80 | 24.60 | 5.10 | 3.70 | 5.70 | 5.70 | 023Z1437 |
| DCB 164s | ½ solder | 667 | 29.30 | 27.70 | 31.50 | 29.90 | 29.70 | 27.50 | 26.80 | 24.60 | 8.00 | 5.70 | 9.10 | 9.10 | 023Z1436 |
| DCB 165s | ¾ solder | 667 | 29.30 | 27.70 | 31.50 | 29.90 | 29.70 | 27.50 | 26.80 | 24.60 | 10.60 | 8.30 | 11.40 | 11.40 | 023Z1435 |

¹ Wire mesh in filter drier outlet.



DCL with Schrader valve - Filter Drier

| Danfoss Type | Connection inlet (in.)/ outlet | Max. working pressure (psig) | Drying capacity (lbs. of refrigerant) | | | | | | | | | | Liquid capacity (tons) | | | | | Danfoss Code No. |
|-----------------|-----------------------------------|------------------------------|---------------------------------------|-------|--------|-------|------|-------|--------|-------|--------|-------|------------------------|--------|------|--------|--------|------------------|
| | | | R-134a | | R-404A | | R-22 | | R-407C | | R-410A | | R-134a | R-404C | R-22 | R-407C | R-410A | |
| | | | 75°F | 125°F | 75°F | 125°F | 75°F | 125°F | 75°F | 125°F | 75°F | 125°F | | | | | | |
| DCL 1.52/ CAPsV | ¼/capillary tube | 667 | 5.2 | 4.8 | 5.5 | 5.2 | 5.3 | 4.9 | 5.1 | 4.7 | 4.7 | 4.2 | 1.0 | 0.7 | 1.1 | 1.0 | 1.0 | 023Z8261 |
| DCL 032/ CAPsV | ¼/capillary tube | 667 | 8.4 | 7.7 | 8.8 | 8.3 | 8.5 | 7.8 | 8.2 | 7.6 | 7.6 | 6.8 | 1.2 | 0.8 | 1.3 | 1.2 | 1.2 | 023Z5174 |
| DCL 052/ CAPsV | ¼/capillary tube | 667 | 13.5 | 12.4 | 14.1 | 13.4 | 13.6 | 12.5 | 13.1 | 12.1 | 12.3 | 10.9 | 1.2 | 0.8 | 1.3 | 1.2 | 1.2 | 023Z5181 |

DCR Filter Drier Cores

| Danfoss Type | Material | Danfoss Code No. |
|--|---|------------------|
| DCR core insert, type 48-DM solid core | 100% molecular sieve | 023U1392 |
| DCR core insert, type 48-DC solid core | 80% molecular sieve & 20% activated alumina | 023U4381 |
| DCR core insert, type 48-DA solid core | 30% molecular sieve & 70% activated alumina | 023U5381 |
| DCR core insert, type 48-F strainer | | 023U1921 |

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