



**Danfoss *Eliminator*[®] filter drier
with replaceable solid core
Type DCR**

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Introduction

Danfoss Eliminator® filter driers with replaceable solid core, type DCR, are for use in liquid and/or suction lines in refrigeration, freezing and air-conditioning systems.

Besides being able to meet very demanding requirements, i.e. high working pressure levels when operating with R 410A and CO₂, the new DCR programme offers flexibility with respect to different combination possibilities.

Customers can thus choose between two versions, a normal-pressure version and a high-pressure version, and find the solution that best fits requirements from the parts programme or complete programme.



Features

Two programme solutions to meet market requirements:

- a parts programme with many combination possibilities ensuring tailor-made solutions - each part has its own code number.
- a complete programme with one code number covering a standard assembly consisting of housing, core holder and top cover.

DCR housings:

- DCR housings (incl. core holder) are made entirely of steel and are thus compatible with all refrigerants.
- DCR housings have undergone zinc-phosphate pre-treatment and have a corrosion-resistant powder-paint finish.
- DCR housings are helium leak tested

Top covers for DCR housings:

- Zinc-chromated steel top covers with or without external access connection.

Inserts for DCR housings - solid cores

48 - DM - 100% molecular sieve solid core suitable for HFC refrigerants:

- Provides high moisture adsorption at low and high condensing temperatures.
- Effective protection against impurities.

48 - DC - 80% molecular sieve and 20% activated alumina solid core suitable for CFC & HCFC refrigerants and compatible with HFC refrigerants:

- Adsorbs moisture and acid in the system throughout the entire temperature range.

48 - DA - 30% molecular sieve and 70% activated alumina solid core suitable after compressor burn-out and compatible with CFC / HCFC / HFC refrigerants:

- High acid adsorption and standard water adsorption.

All solid cores have an optimised uniform grain size ensuring effective dirt removal and low pressure drop. The robust solid cores withstand pressure surge and vibration.

Inserts for DCR housings - strainer

48 - F strainer - compatible with all refrigerants:

- Retains dirt particles larger than 15 µm.
- For use direct in DCR housings.
- Utilised in the suction or liquid line.

Approvals

CE marked in accordance with the European Pressure Equipment Directive - 97/23/EC

C_UUS listed 207 and C22.2 no. 140.3

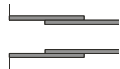
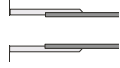
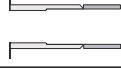
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Technical data

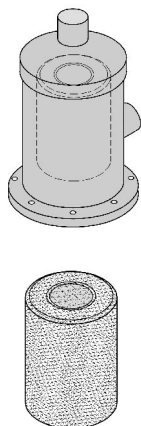
Type	PS / MWP	Refrigerant	Temperature range
DCR 048	35 bar / 500 psig	CFC / HCFC / HFC	-40 → +70°C / -40 → +160°F
DCR 096			
DCR 144			
DCR 192	28 bar / 400 psig		

DCR 048 HP	46 bar / 667 psig	CFC / HCFC / HFC	-40 → +70°C / -40 → +160°F
DCR 096 HP			

Type of connector and recommended soldering material

	Copper ODF solder connector Copper pipe
	Steel ODF solder connector Copper pipe
	Steel butt weld connector Steel pipe

Solder connector	Recommended soldering material
Copper	Sil-fos 15
Steel	Silver-flo 55 + Easy-flow flux

Capacity
48-DM


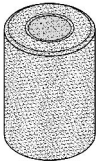
Type	Number of cores	Drying capacity [kg refrigerant] ¹⁾						Liquid capacity [kW] ²⁾			
		R 134a / R 507		R 404A		R 407C / R 410A		R 22	R 134a	R 404A / R 507	R 407C / R 410A
		24°C	52°C	24°C	52°C	24°C	52°C				
DCR 0485 DCR 0487 DCR 0489 DCR 04811 DCR 04813 DCR 04817 DCR 04821	1	82.5	78.5	135.0	74.0	83.0	71.0	88 153 206 259 259 259	79 139 186 227 227 227	57 99 133 162 162 162	88 153 206 259 259 259
DCR 0965 DCR 0967 DCR 0969 DCR 09611 DCR 09613 DCR 09617 DCR 09621	2	165.0	157.0	270.0	148.0	166.0	142.0	89 155 240 326 396 396 396	80 140 217 295 358 358 358	58 100 155 211 256 256 256	89 155 240 326 396 396 396
DCR 1445 DCR 1447 DCR 1449 DCR 14411 DCR 14413 DCR 14417 DCR14421	3	247.5	235.5	405.0	222.0	249.0	213.0	92 160 250 394 394 394 394	83 145 226 356 356 356 356	60 104 162 255 255 255 255	92 160 250 394 394 394 394
DCR 1925 DCR 1927 DCR 1929 DCR 19211 DCR 19213 DCR 19217 DCR 19221	4	330.0	314.0	540.0	296.0	332.0	284.0	112 195 303 411 509 509 509	101 177 274 372 460 460 460	72 126 196 266 329 329 329	112 195 303 411 509 509 509

48-DC

Type	Number of cores	Drying capacity [kg refrigerant] ¹⁾								Liquid capacity [kW] ²⁾		
		R 22		R 134a / R 507		R 404A		R 407C / R 410A		R 134a	R 404A / R 507	R 407C / R 410A
		24°C	52°C	24°C	52°C	24°C	52°C	24°C	52°C			
DCR 0485 DCR 0487 DCR 0489 DCR 04811 DCR 04813 DCR 04817 DCR 04821	1	67.0	62.0	71.0	67.5	115.0	62.0	70.5	60.0	79 139 186 227 227 227	57 99 133 162 162 162	88 153 206 259 259 259
DCR 0965 DCR 0967 DCR 0969 DCR 09611 DCR 09613 DCR 09617 DCR 09621	2	134.0	124.0	142.0	135.0	230.0	124.0	141.0	120.0	80 140 217 295 358 358 358	58 100 155 211 256 256 256	89 155 240 326 396 396 396
DCR 1445 DCR 1447 DCR 1449 DCR 14411 DCR 14413 DCR 14417 DCR14421	3	201.0	186.0	213.0	202.5	345.0	186.0	211.5	180.0	83 145 226 356 356 356 356	60 104 162 255 255 255 255	92 160 250 394 394 394 394
DCR 1925 DCR 1927 DCR 1929 DCR 19211 DCR 19213 DCR 19217 DCR 19221	4	268.0	248.0	284.0	270.0	460.0	248.0	282.0	240.0	101 177 274 372 460 460 460	72 126 196 266 329 329 329	112 195 303 411 509 509 509

- 1) Drying capacity is based on the following moisture contents before and after drying:
R 22: From 1050 ppm W to 60 ppm W in accordance with ARI 710-86.
R 134a: From 1050 ppm W to 75 ppm W. If refrigerant is to be dried to 50 ppm W, reduce the stated capacities by 15%.
R 404A, R 407C & R 507: From 1020 ppm W to 30 ppm W.
R 410A: From 1050 ppm W to 60 ppm W
- 2) Liquid capacity given in accordance with ARI 710-2002 evaporating temperature $t_e = -15^\circ\text{C}$, condensing temperature $t_c = +30^\circ\text{C}$ and pressure drop across filter drier $\Delta p = 0.07$ bar.

Capacity (Continued)

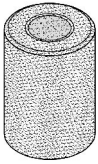


48-DA

Type	Number of cores	Drying capacity [g of water] ³⁾												Acid capacity ⁴⁾ [g]
		Evaporating temperature t _e [°C]												
		-40	-20	4.4	-30	-20	4.4	-40	-20	4.4	-40	-20	4.4	
		R 22			R 134a / R 507			R 404A			R 407C / R 410A			
DCR 048	1	28	19	12	45	38	27	47	30	19	42	35	25	26.6
DCR 096	2	56	37	24	90	77	54	94	60	37	84	70	50	53.3
DCR 144	3	84	56	36	135	115	81	142	90	56	126	105	75	79.9
DCR 192	4	112	74	48	180	153	108	189	120	75	168	140	100	106.5

³⁾ Drying capacity is expressed during drying in:
 R 22: EPD = 10 ppm W, corresponding to a dew point temperature = -50°C
 R 134a: EPD = 50 ppm W, corresponding to a dew point temperature = -37°C
 R 404A: EPD = 10 ppm W, corresponding to a dew point temperature = -40°C
 R 407C: EPD = 10 ppm W, corresponding to a dew point temperature = -40°C
⁴⁾ Adsorption capacity of oleic acid at 0.05 TAN (Total Acid Number)

Recommended plant capacity in suction line - burn-out

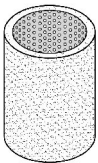


48-DA

Type	Recommended plant capacity [kW]												
	Evaporating temperature t _e [°C]												
	-40	-20	4.4	-30	-20	4.4	-40	-20	4.4	-40	-20	4.4	
	R 22			R 134a / R 507			R 404A			R 407C / R 410A			
DCR 0485	3.1	8.9	21.0	3.0	5.4	13.0	2.4	7.1	17.5	3.1	8.9	21.0	
DCR 0487	5.8	16.1	37.8	5.6	9.9	23.4	4.5	12.9	31.2	5.8	16.1	37.8	
DCR 0489	7.8	21.6	50.7	7.5	13.3	31.5	6.0	17.2	41.8	7.8	21.6	50.7	
DCR 04811	10.0	27.3	63.3	9.6	16.8	39.5	7.7	21.8	51.9	10.0	27.3	63.3	
DCR 04813	10.0	27.3	63.3	9.6	16.8	39.5	7.7	21.8	51.9	10.0	27.3	63.3	
DCR 04817	10.0	27.3	63.3	9.6	16.8	39.5	7.7	21.8	51.9	10.0	27.3	63.3	
DCR 04821	10.0	27.3	63.3	9.6	16.8	39.5	7.7	21.8	51.9	10.0	27.3	63.3	
DCR 0965	3.3	9.1	21.4	3.2	5.7	13.4	2.5	7.4	18.0	3.3	9.2	21.6	
DCR 0967	5.8	16.2	38.1	5.6	9.9	23.6	4.5	12.9	31.4	5.8	16.2	38.1	
DCR 0969	8.7	24.6	58.3	8.4	15.0	35.9	6.8	19.7	48.1	8.7	24.6	58.3	
DCR 09611	11.9	33.4	79.3	11.4	20.4	48.9	9.3	26.8	65.4	11.9	33.4	79.3	
DCR 09613	14.1	39.9	95.2	13.6	24.3	58.5	11.0	32.0	78.7	14.1	39.9	95.2	
DCR 09617	14.1	39.9	95.2	13.6	24.3	58.5	11.0	32.0	78.7	14.1	39.9	95.2	
DCR 09621	14.1	39.9	95.2	13.6	24.3	58.5	11.0	32.0	78.7	14.1	39.9	95.2	
DCR 1445	3.5	10.0	22.8	3.4	6.0	14.0	2.7	7.7	18.9	3.5	10.0	22.8	
DCR 1447	6.6	18.9	42.9	6.3	11.2	26.4	5.1	14.5	35.6	6.6	18.9	42.9	
DCR 1449	8.8	25.1	57.2	8.4	15.0	35.2	6.8	19.4	47.5	8.8	25.1	57.2	
DCR 14411	13.2	38.1	92.2	12.7	23.0	56.2	10.3	30.7	76.6	13.2	38.1	92.2	
DCR 14413	13.2	38.1	92.2	12.7	23.0	56.2	10.3	30.7	76.6	13.2	38.1	92.2	
DCR 14417	13.2	38.1	92.2	12.7	23.0	56.2	10.3	30.7	76.6	13.2	38.1	92.2	
DCR 14421	13.2	38.1	92.2	12.7	23.0	56.2	10.3	30.7	76.6	13.2	38.1	92.2	
DCR 1925	4.2	11.5	27.3	4.0	7.1	16.8	3.2	9.2	22.7	4.2	11.5	27.3	
DCR 1927	7.9	21.6	51.4	7.6	13.4	31.6	6.1	17.4	42.7	7.9	21.6	51.4	
DCR 1929	10.6	28.9	68.9	10.2	18.0	42.1	8.2	23.3	57.2	10.6	28.9	68.9	
DCR 19211	14.8	41.8	99.4	14.3	25.5	61.2	11.6	33.6	82.2	14.8	41.8	99.4	
DCR 19213	18.0	51.1	122.1	17.4	31.1	75.0	14.1	41.1	101.0	18.0	51.1	122.1	
DCR 19217	18.0	51.1	122.1	17.4	31.1	75.0	14.1	41.1	101.0	18.0	51.1	122.1	
DCR 19221	18.0	51.1	122.1	17.4	31.1	75.0	14.1	41.1	101.0	18.0	51.1	122.1	

Data given in accordance with ARI-Standard 710-2002 for t_e = 4.4°C and t_c = 32.2°C.

Strainer mounted in suction line



48-F

Refrigerant	R 22			R 134a / R 507			R 404A			R 407C / R 410A		
Evaporating temperature [°C]	-40	-20	4.4	-30	-20	4.4	-40	-20	4.4	-40	-20	4.4
Pressure drop [Δp bar]	0.04	0.10	0.21	0.04	0.07	0.14	0.04	0.10	0.21	0.04	0.10	0.21
Recommended system capacity [kW]	15	47	113	15	28	69	12	38	93	15	47	113

Strainer mounted in liquid line

Refrigerant	R 22	R 134a / R 507	R 404A	R 407C / R 410A
Recommended system capacity [kW]	390	350	260	390

Liquid capacity is given in accordance with ARI 710-2002 at:
 Evaporating temperature t_e = -15°C
 Condensing temperature t_c = +30°C
 Pressure drop across filter drier Δp = 0.07 bar

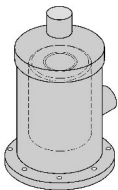
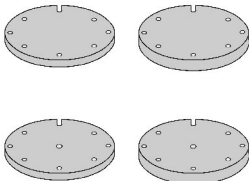
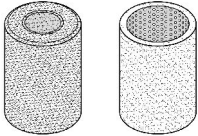
The data given apply to DCR 04811 with 48-F core.

When ordering new DCR filter driers from Danfoss there are two possibilities:

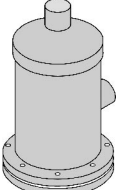
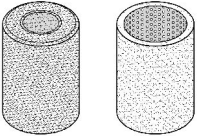
- A parts programme where DCR housing, top cover and solid core(s) are ordered individually. A tailor-made 3-step solution.
- A complete DCR programme covering a standard assembly of housing and top cover in one code number. In addition, solid cores can be ordered. A 2-step solution.

Below is an illustration of the methodology behind the new DCR programmes:

How to order from the parts programme

Step 1 - Select DCR housing* <i>(Size, connector type, PS/MWP)</i>	
	<ul style="list-style-type: none"> ● 1-core version - DCR 048 ● 2-core version - DCR 096 ● 3-core version - DCR 144 ● 4-core version - DCR 192 ● Connector type and size ● Normal or high pressure**
Step 2 - Select DCR top cover	
	<ul style="list-style-type: none"> ● With or without access connection ● Normal or high pressure**
Step 3 - Select insert	
	<ul style="list-style-type: none"> ● DM solid core ● DC solid core ● DA solid core ● 48F strainer

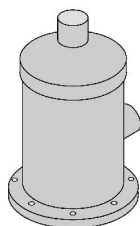
How to order from the complete programme

Step 1 - Select DCR housing* with top cover <i>(Size and connector type)</i>	
	<ul style="list-style-type: none"> ● 1-core version - DCR 048 ● 2-core version - DCR 096 ● 3-core version - DCR 144 ● 4-core version - DCR 192 ● Connector type and size ● Normal pressure**
Step 2 - Select insert	
	<ul style="list-style-type: none"> ● DM solid core ● DC solid core ● DA solid core ● 48F strainer

* Please note: The core holder is included when selecting DCR housing (step 1).

** Normal-pressure versions (PS/MWP 35 bar) available from both the parts and the complete programme with copper or steel connectors.
 High-pressure versions (PS/MWP 46 bar) available from the parts programme with steel connectors only.

Step 1



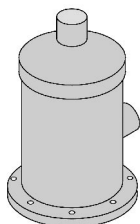
Parts programme

DCR housings with steel connectors (without top cover)

DCR type	Number of cores	Steel connectors			Code number	Max. working pressure (PS/MWP)
		Solder		Butt weld		
		ODF in.	ODF mm	in.		
DCR 0485	1	$\frac{5}{8}$	16	$\frac{1}{2}$	023Z9050	35 bar
DCR 0487		$\frac{7}{8}$	22	$\frac{3}{4}$	023Z9051	
DCR 0489			28	1	023Z9052	
DCR 0489		$1\frac{1}{8}$		1	023Z9053	
DCR 04811		$1\frac{3}{8}$	35	$1\frac{1}{4}$	023Z9054	
DCR 04813		$1\frac{5}{8}$		$1\frac{1}{2}$	023Z9055	
DCR 04813			42	$1\frac{1}{2}$	023Z9056	
DCR 04817		$2\frac{1}{8}$	54	2	023Z9057	
DCR 04821		$2\frac{5}{8}$		$2\frac{1}{2}$	023Z9076	
DCR 0965	2	$\frac{5}{8}$	16	$\frac{1}{2}$	023Z9077	35 bar
DCR 0967		$\frac{7}{8}$	22	$\frac{3}{4}$	023Z9058	
DCR 0969			28	1	023Z9059	
DCR 0969		$1\frac{1}{8}$		1	023Z9060	
DCR 09611		$1\frac{3}{8}$	35	$1\frac{1}{4}$	023Z9061	
DCR 09613		$1\frac{5}{8}$		$1\frac{1}{2}$	023Z9062	
DCR 09613			42	$1\frac{1}{2}$	023Z9063	
DCR 09617		$2\frac{1}{8}$	54	2	023Z9064	
DCR 09621		$2\frac{5}{8}$		$2\frac{1}{2}$	023Z9078	
DCR 1445	3	$\frac{5}{8}$	16	$\frac{1}{2}$	023Z9079	35 bar
DCR 1447		$\frac{7}{8}$	22	$\frac{3}{4}$	023Z9080	
DCR 1449			28	1	023Z9065	
DCR 1449		$1\frac{1}{8}$		1	023Z9066	
DCR 14411		$1\frac{3}{8}$	35	$1\frac{1}{4}$	023Z9067	
DCR 14413		$1\frac{5}{8}$		$1\frac{1}{2}$	023Z9068	
DCR 14413			42	$1\frac{1}{2}$	023Z9069	
DCR 14417		$2\frac{1}{8}$	54	2	023Z9070	
DCR 14421		$2\frac{5}{8}$		$2\frac{1}{2}$	023Z9081	
DCR 1925	4	$\frac{5}{8}$	16	$\frac{1}{2}$	023Z9082	28 bar
DCR 1927		$\frac{7}{8}$	22	$\frac{3}{4}$	023Z9083	
DCR 1929			28	1	023Z9084	
DCR 1929		$1\frac{1}{8}$		1	023Z9085	
DCR 19211		$1\frac{3}{8}$	35	$1\frac{1}{4}$	023Z9071	
DCR 19213		$1\frac{5}{8}$		$1\frac{1}{2}$	023Z9072	
DCR 19213			42	$1\frac{1}{2}$	023Z9073	
DCR 19217		$2\frac{1}{8}$	54	2	023Z9074	
DCR 19221		$2\frac{5}{8}$		$2\frac{1}{2}$	023Z9086	

DCR type	Number of cores	High-pressure steel connectors			Code number	Max. working pressure (PS/MWP)
		Solder		Butt weld		
		ODF in.	ODF mm	in.		
DCR 0487	1	$\frac{7}{8}$	22	$\frac{3}{4}$	023Z9451	46 bar
DCR 0489		$1\frac{1}{8}$		1	023Z9452	
DCR 04811		$1\frac{3}{8}$	35	$1\frac{1}{4}$	023Z9454	
DCR 04813		$1\frac{5}{8}$		$1\frac{1}{2}$	023Z9455	
DCR 04817		$2\frac{1}{8}$	54	2	023Z9457	
DCR 0967	2	$\frac{7}{8}$	22	$\frac{3}{4}$	023Z9458	46 bar
DCR 0969		$1\frac{1}{8}$		1	023Z9459	
DCR 09611		$1\frac{3}{8}$	35	$1\frac{1}{4}$	023Z9461	
DCR 09613		$1\frac{5}{8}$		$1\frac{1}{2}$	023Z9462	
DCR 09617		$2\frac{1}{8}$	54	2	023Z9464	

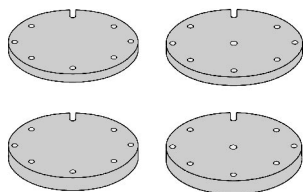
Step 1 (continued)



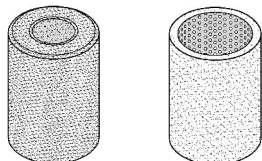
Parts programme

DCR housings with copper connectors (without top cover)

DCR type	Number of cores	Copper connectors		Code number	Max. working pressure (PS/MWP)
		Solder			
		ODF in.	ODF mm		
DCR 0485s	1	5/8	16	023Z9250	35 bar
DCR 0487s		7/8	22	023Z9251	
DCR 0489s			28	023Z9252	
DCR 0489s		1 1/8		023Z9253	
DCR 04811s		1 3/8	35	023Z9254	
DCR 04813s		1 5/8		023Z9255	
DCR 04813s			42	023Z9256	
DCR 04817s		2 1/8	54	023Z9257	
DCR 04821s		2 5/8		023Z9276	
DCR 0965s	2	5/8	16	023Z9277	35 bar
DCR 0967s		7/8	22	023Z9258	
DCR 0969s			28	023Z9259	
DCR 0969s		1 1/8		023Z9260	
DCR 09611s		1 3/8	35	023Z9261	
DCR 09613s		1 5/8		023Z9262	
DCR 09613s			42	023Z9263	
DCR 09617s		2 1/8	54	023Z9264	
DCR 09621s		2 5/8		023Z9278	
DCR 1445s	3	5/8	16	023Z9279	35 bar
DCR 1447s		7/8	22	023Z9280	
DCR 1449s			28	023Z9265	
DCR 1449s		1 1/8		023Z9281	
DCR 14411s		1 3/8	35	023Z9267	
DCR 14413s		1 5/8		023Z9282	
DCR 14413s			42	023Z9269	
DCR 14417s		2 1/8	54	023Z9270	
DCR 14421s		2 5/8		023Z9283	
DCR 1925s	4	5/8	16	023Z9284	28 bar
DCR 1927s		7/8	22	023Z9285	
DCR 1929s			28	023Z9286	
DCR 1929s		1 1/8		023Z9287	
DCR 19211s		1 3/8	35	023Z9288	
DCR 19213s		1 5/8		023Z9272	
DCR 19213s			42	023Z9273	
DCR 19217s		2 1/8	54	023Z9274	
DCR 19221s		2 5/8		023Z9289	

Step 2

DCR top covers

Material	Code no.	Access connection
Zinc-chromated steel with 1 access connection	023Z9906	1/4 in. NPT
Zinc-chromated steel without access connection	023Z9907	
Zinc-chromated steel with 1 access connection - high pressure	023Z9918	1/4 in. NPT
Zinc-chromated steel without access connection - high pressure	023Z9917	

Step 3

DCR inserts

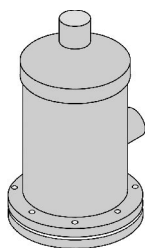
Type	Material	Code no.		
		9 pcs.		1 piece with gasket
		with gasket	without gasket	
48-DM solid core	100% molecular sieve	023U1392	023U1393	023U1391
48-DC solid core	80% molecular sieve & 20% Al ₃ O ₂	023U4381	023U4382	023U4380
48-DA solid core	30% molecular sieve & 70% Al ₃ O ₂	023U5381	023U5382	023U5380
48-F strainer		023U1921		

Core surface

DM 048, DC 048 and DA 048	=	435 cm ²
DM 096, DC 096 and DA 096	=	870 cm ²
DM 144, DC 144 and DA 144	=	1305 cm ²
DM 192, DC 192 and DA 192	=	1740 cm ²
48-F	=	405 cm ²

Core volume

DM 048, DC 048 and DA 048	=	760 cm ³
DM 096, DC 096 and DA 096	=	1520 cm ³
DM 144, DC 144 and DA 144	=	2280 cm ³
DM 192, DC 192 and DA 192	=	3040 cm ³


Complete programme

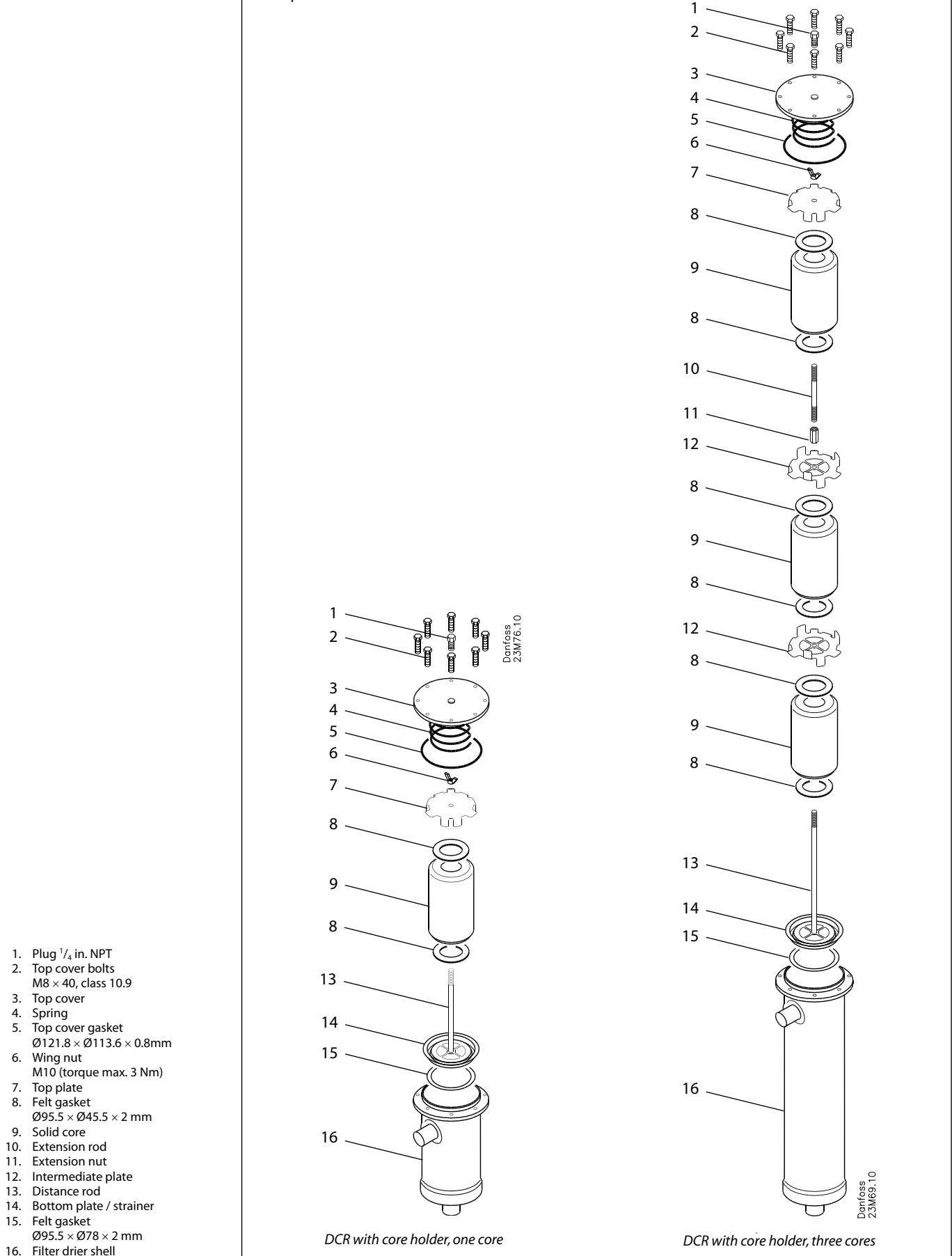
DCR housings + top cover - 023Z9906

DCR type	Number of cores	Steel connectors			Code number	Max. working pressure (PS/MWP)
		Solder		Butt weld		
		ODF in.	ODF mm	in.		
DCR 0485	1	5/8	16	1/2	023U7050	35 bar
DCR 0487		7/8	22	3/4	023U7051	
DCR 0489			28	1	023U7052	
DCR 0489		1 1/8		1	023U7053	
DCR 04811		1 3/8	35	1 1/4	023U7054	
DCR 04813		1 5/8		1 1/2	023U7055	
DCR 04813			42	1 1/2	023U7056	
DCR 04817		2 1/8	54	2	023U7057	
DCR 04821		2 5/8		2 1/2	023U7076	
DCR 0967	2	7/8	22	3/4	023U7058	35 bar
DCR 0969			28	1	023U7059	
DCR 0969		1 1/8		1	023U7060	
DCR 09611		1 3/8	35	1 1/4	023U7061	
DCR 09613		1 5/8		1 1/2	023U7062	
DCR 09613			42	1 1/2	023U7063	
DCR 09617	2 1/8	54	2	023U7064	35 bar	
DCR 1449	3		28	1		023U7065
DCR 1449		1 1/8		1		023U7066
DCR 14411		1 3/8	35	1 1/4		023U7067
DCR 14413		1 5/8		1 1/2		023U7068
DCR 14413			42	1 1/2		023U7069
DCR 14417		2 1/8	54	2	023U7070	28 bar
DCR 19211	4	1 3/8	35	1 1/4	023U7071	
DCR 19213		1 5/8		1 1/2	023U7072	
DCR 19213			42	1 1/2	023U7073	
DCR 19217		2 1/8	54	2	023U7074	

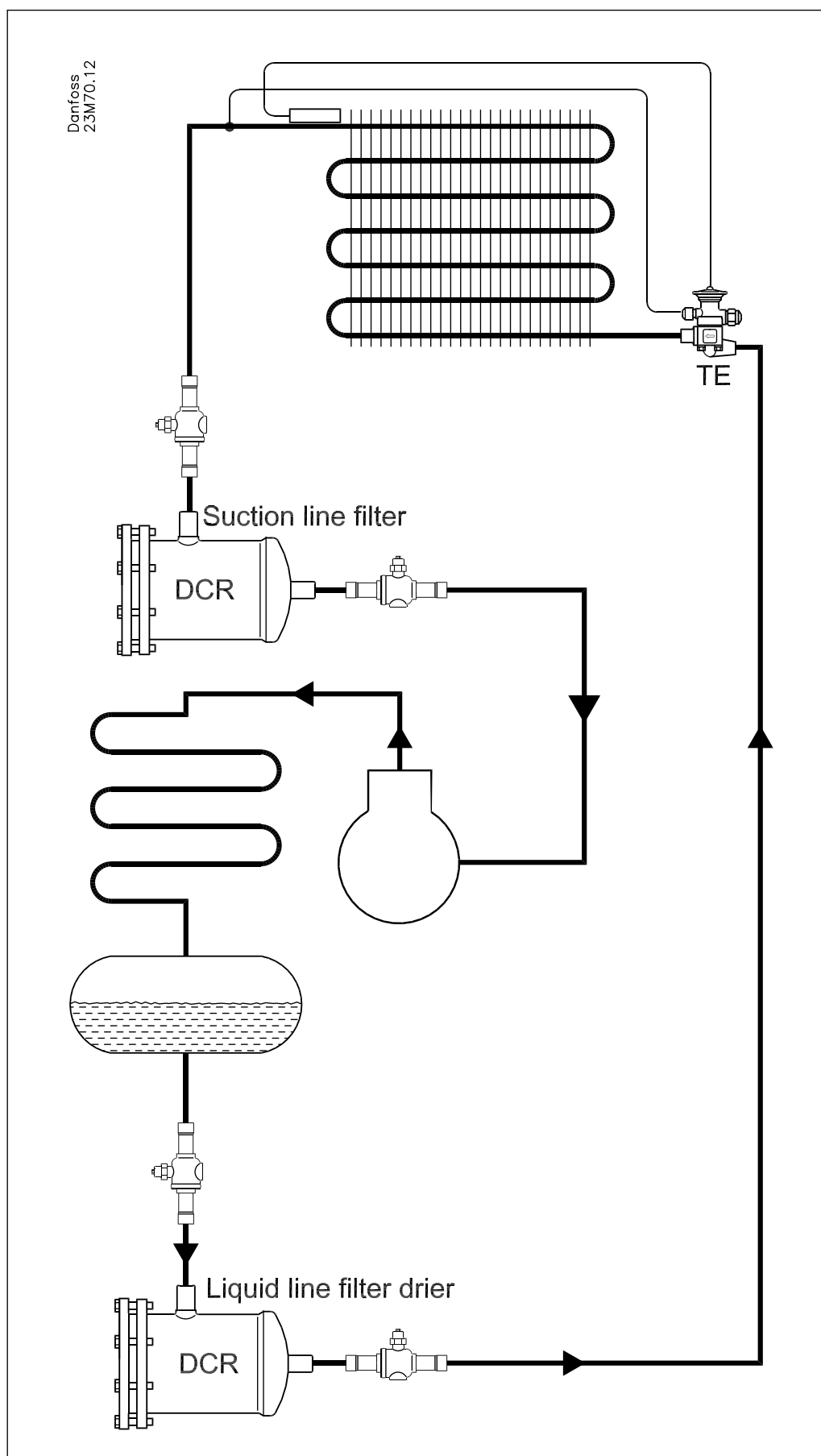
DCR type	Number of cores	Copper connectors		Code number	Max. working pressure (PS/MWP)
		Solder			
		ODF in.	ODF mm		
DCR 0485s	1	5/8	16	023U7250	35 bar
DCR 0487s		7/8	22	023U7251	
DCR 0489s			28	023U7252	
DCR 0489s		1 1/8		023U7253	
DCR 04811s		1 3/8	35	023U7254	
DCR 04813s		1 5/8		023U7255	
DCR 04813s			42	023U7256	
DCR 04817s		2 1/8	54	023U7257	
DCR 04821s		2 5/8		023U7276	
DCR 0967s	2	7/8	22	023U7258	35 bar
DCR 0969s			28	023U7259	
DCR 0969s		1 1/8		023U7260	
DCR 09611s		1 3/8	35	023U7261	
DCR 09613s		1 5/8		023U7262	
DCR 09613s			42	023U7263	
DCR 09617s	2 1/8	54	023U7264	35 bar	
DCR 1449s	3		28		023U7265
DCR 14411s		1 3/8	35		023U7267
DCR 14413s			42		023U7269
DCR 14417s		2 1/8	54		023U7270
DCR 19213s		4	1 5/8		
DCR 19213s				42	023U7273
DCR 19217s	2 1/8		54	023U7274	

Design

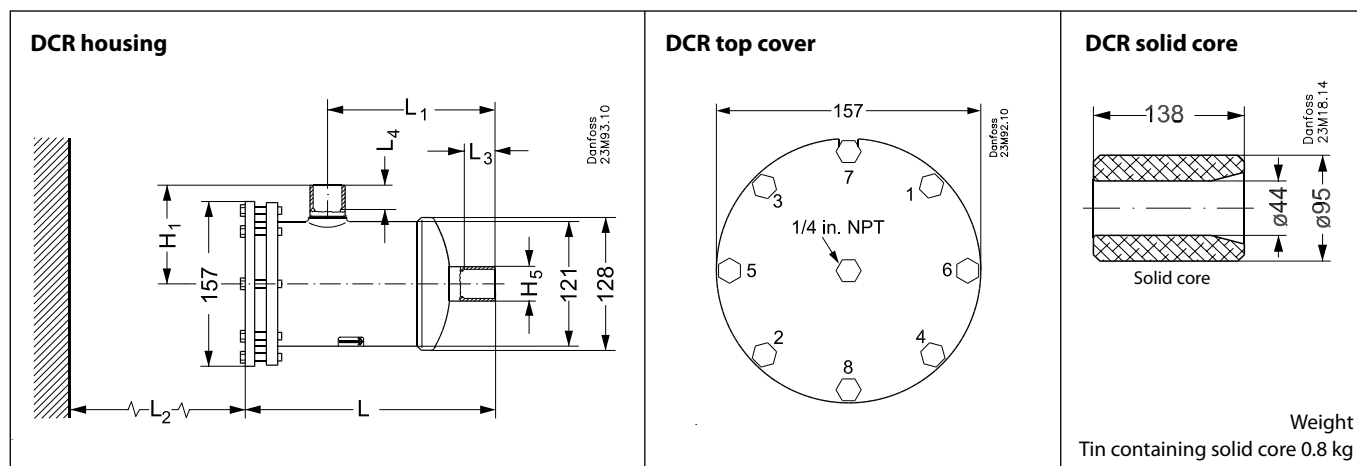
Example:



Application



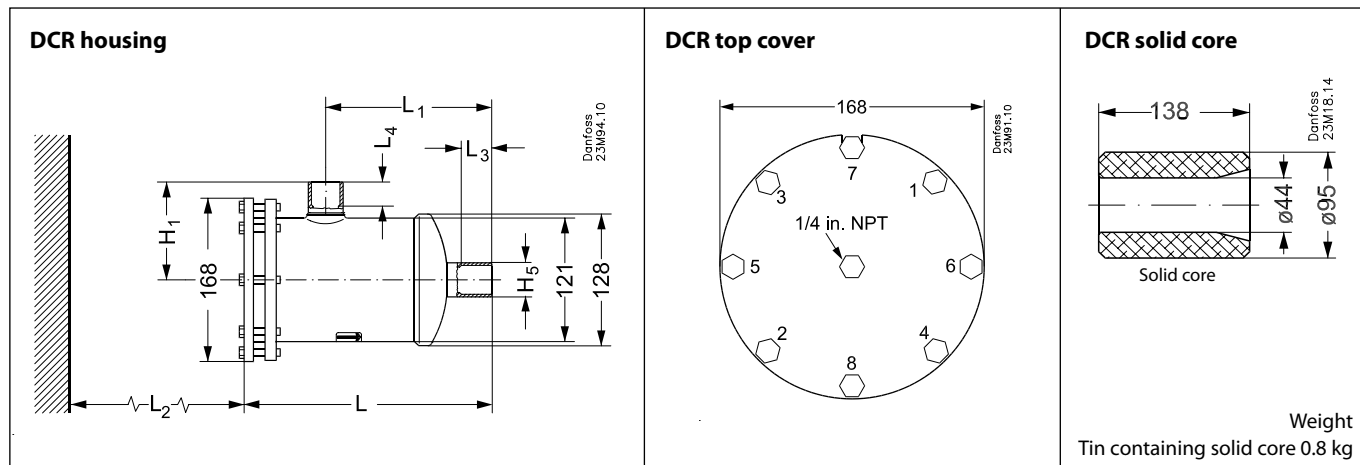
Dimensions and weights for normal-pressure version



Type	Number of cores	DCR with steel connectors							DCR with copper connectors							Weight* kg
		L	L ₁	L ₂	L ₃	L ₄	H ₁	H ₅	L	L ₁	L ₂	L ₃	L ₄	H ₁	H ₅	
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
DCR 0485(s)	1	248	165	170	12	12	96	21	265	182	170	12	12	113	19	5.2
DCR 0487(s)		242	159		17	17	90	27	265	181		17	17	113	25	
DCR 0489(s)		246	162		22	22	94	34	267	184		20	20	116	32	
DCR 0489(s)		246	162		22	22	94	34	267	184		20	20	116	32	
DCR 04811(s)		248	165		25	25	97	42	270	186		25	25	119	39	
DCR 04813(s)		253	170		29	29	103	48	271	188		29	29	121	46	
DCR 04813(s)		253	170		29	29	103	48	271	188		29	29	121	46	
DCR 04817(s)		259	176		33	33	111	60	273	190		34	34	125	58	
DCR 04821(s)	257	174	38	38	116	73	270	187	34	34	129	71				
DCR 0965(s)	2	387	304	310	12	12	96	21	404	321	310	12	12	113	19	6.6
DCR 0967(s)		381	298		17	17	90	27	404	320		17	17	113	25	
DCR 0969(s)		385	301		22	22	94	34	406	323		20	20	116	32	
DCR 0969(s)		385	301		22	22	94	34	406	323		20	20	116	32	
DCR 09611(s)		387	304		25	25	97	42	409	325		25	25	119	39	
DCR 09613(s)		392	309		29	29	103	48	410	327		29	29	121	46	
DCR 09613(s)		392	309		29	29	103	48	410	327		29	29	121	46	
DCR 09617(s)		398	315		33	33	111	60	412	329		34	34	125	58	
DCR 09621(s)	396	313	38	38	116	73	409	326	34	34	129	71				
DCR 1445(s)	3	529	446	310	12	12	96	21	546	463	310	12	12	113	19	7.8
DCR 1447(s)		523	440		17	17	90	27	546	462		17	17	113	25	
DCR 1449(s)		527	443		22	22	94	34	548	465		20	20	116	32	
DCR 1449(s)		527	443		22	22	94	34	548	465		20	20	116	32	
DCR 14411(s)		529	446		25	25	97	42	551	467		25	25	119	39	
DCR 14413(s)		534	451		29	29	103	48	552	469		29	29	121	46	
DCR 14413(s)		534	451		29	29	103	48	552	469		29	29	121	46	
DCR 14417(s)		540	457		33	33	111	60	554	471		34	34	125	58	
DCR 14421(s)	538	455	38	38	116	73	551	468	34	34	129	71				
DCR 1925(s)	4	669	586	310	12	12	96	21	686	603	310	12	12	113	19	9.1
DCR 1927(s)		663	580		17	17	90	27	686	602		17	17	113	25	
DCR 1929(s)		667	583		22	22	94	34	688	605		20	20	116	32	
DCR 1929(s)		667	583		22	22	94	34	688	605		20	20	116	32	
DCR 19211(s)		669	586		25	25	97	42	691	607		25	25	119	39	
DCR 19213(s)		674	591		29	29	103	48	692	609		29	29	121	46	
DCR 19213(s)		674	591		29	29	103	48	692	609		29	29	121	46	
DCR 19217(s)		680	597		33	33	111	60	694	611		34	34	125	58	
DCR 19221(s)	678	595	38	38	116	73	691	608	34	34	129	71				

* Weights stated without core. All values approximate.

Dimensions and weights for high-pressure version



Type	Number of cores	High-pressure DCR with steel connectors							Weight*
		L	L ₁	L ₂	L ₃	L ₄	H ₁	H ₅	
		mm	mm	mm	mm	mm	mm	mm	kg
DCR 0487(s)	1	248	159	170	17	17	90	25	6.8
DCR 0489(s)		251	162		22	22	94	32	
DCR 04811		254	165		25	25	97	39	
DCR 04813		259	170		29	29	103	46	
DCR 04817		265	176		33	33	111	58	
DCR 0967	2	387	298	310	17	17	90	25	8.2
DCR 0969		390	301		22	22	94	32	
DCR 09611		393	304		25	25	97	39	
DCR 09613		398	309		29	29	103	46	
DCR 09617		404	315		33	33	111	58	

* Weights stated without core. All values approximate.

