



Drying, filtering and cleaning cores

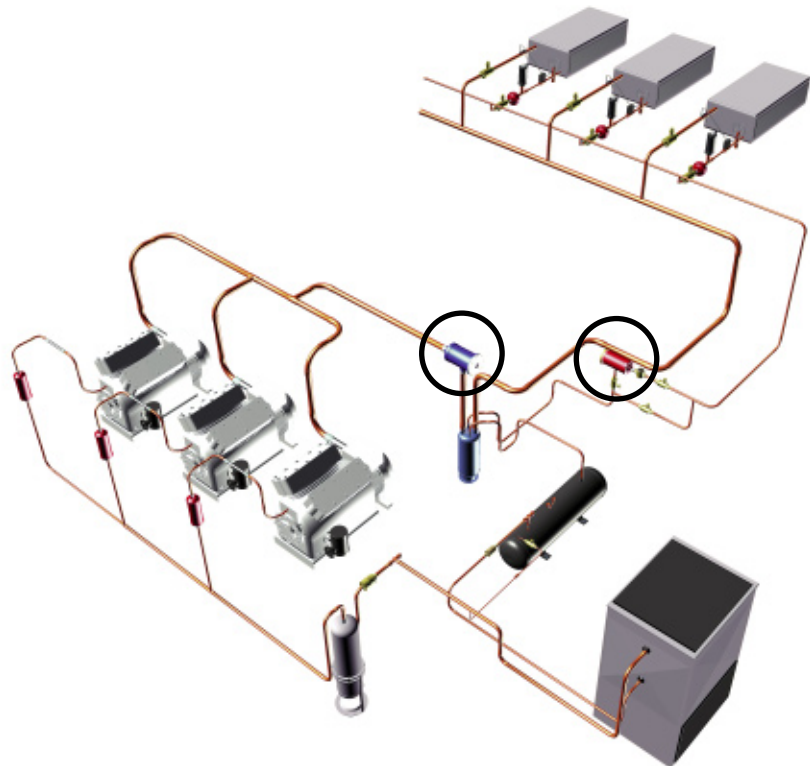
→ CCY / PLATINIUM 48

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■ Applications



- Interchangeable filtering, drying and cleaning elements for refrigerating and air conditioning installation standard filter shells (BDCY, BCY, BBCY, ACY and BACY).



■ Functional features

- Products are compatible with HFCs, HCFCs, CFCs, as well as with their associated oils and additives. Products are designed for use of non-hazardous refrigerants from group 2 of PED 97/23/EC.
- The CCY HP, PLATINIUM and N cores can be used with all the filter shells that can be found on the market.
- The CCY HP, PLATINIUM and N cores are supplied with a complete set of flange gaskets corresponding to most of the filter shells that can be found on the market.

■ CARLY advantages

- The CCY HP, PLATINIUM and N cores are oven-dried before packaging in order to be perfectly dried.
- The CCY I and F cores are efficient whichever the refrigerant flow direction.
- The CCY 48 HP, PLATINIUM 48 and CCY 48 N models are packaged in sealed metallic cans.
- Efficient solutions for refrigerating circuit decontamination thanks to a complete range of cores.



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■ Functional features

CARLY REFERENCES	TO BE USED WITH						USE			MICRON FILTRATION (microns)	COMPOSITION	FEATURES	
	BDCY	BCY	BBCY	ACY	BACY	HCYBF	ON SUCTION LINE	ON LIQUID LINE	ON OIL LINE				
Felt Cores													
CCY 42 F	X						Temporary a few days				10	Felt	For HFC, HCFC et CFC Reinforced filtering
CCY 48 F				X									
CCY 100 F					X								
Stainless Steel Cores													
CCY 42 I	X						Permanent				140	Stainless steel mesh cloth and screen	For HFC, HCFC et CFC Filtering
CCY 48 I				X									
CCY 100 I					X								
High Efficiency Drying Cores													
CCY 42 HP	X						Permanent until saturation				50	Chemical agents	For HFC, HCFC et CFC Reinforced drying acid neutralization
CCY 48 HP		X											
CCY 100 HP			X										
Very High Efficiency Drying Cores													
PLATINIUM 48		X		X			Permanent until saturation				50	Chemical agents	For HFC, HCFC et CFC Optimum drying acid neutralization
Cleaning Cores													
CCY 42 N	X						Temporary a few days				50	Chemical agents	For HFC, HCFC et CFC Burnout decontamination, reinforced drying, reinforced acid neutralization, wax and resin binding
CCY 48 N		X		X									
CCY 100 N			X		X								
Oil cores													
CCY 48 HU						X			Permanent until saturation		16	Filtrating cellulose, glued, pleated	For refrigerating oil filtering

■ Recommendations

* Refer to assembly precautions for replaceable core filter drier shells and recommendations for liquid line: BDCY, BCY, BBCY, for suction replaceable core filter shells: BDCY, ACY, BACY, and for HCYBF replaceable core oil filter shells.

* Remove cores from their sealed can at the very last moment before putting them in the shells.

* It is imperative to use CCY A adapters with

chemical cores (CCY N, CCY HP and PLATINIUM 48) in the suction filter shells. Do not forget to remove them before installing CCY F and CCY I cores.

* Important: CCY cores should be regularly replaced, more specifically CCY HP and PLATINIUM 48 cores that should mandatorily be replaced at each intervention requiring the opening of the refrigerating circuit.

* It is important to regularly monitor

the refrigerant's moisture content and condition using sight glasses with CARLY VCYL and VCYLS moisture indicator (refer to chapter 7).

* For use of various CCY core types in the pollution control and circuit cleaning process after compressor burnout, closely follow the recommendations given on page 5.2.

* General assembly precautions: refer to chapter 115.



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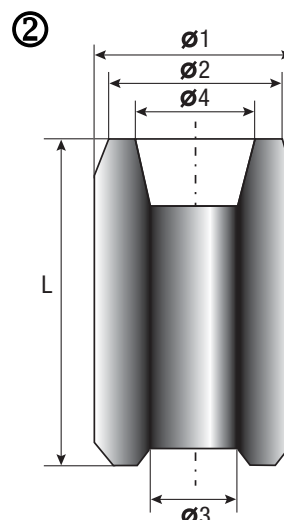
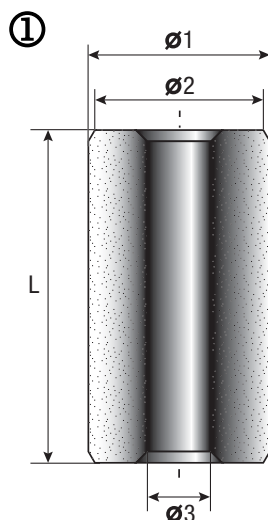
■ Selection table of drying and cleaning cores

CARLY References	Filtering surface (cm ²)	Volume of desiccation products (cm ³)	Dehydratable refrigerant capacity (kg of refrigerant) ⁽¹⁾					
			R22 R407C		R134a R410A		R404A R507	
			24°C	52°C	24°C	52°C	24°C	52°C
CCY 42 HP	374	645	47	40	53	43	50	41
CCY 48 HP	420	704	55	48	64	51	60	49
CCY 100 HP	630	1495	110	95	126	101	120	97
PLATINIUM 48	420	704	72	62	83	66	78	64
CCY 42 N	374	645	47	40	53	43	50	41
CCY 48 N	420	704	55	48	64	51	60	49
CCY 100 N	630	1495	110	95	126	101	120	97

⁽¹⁾ Dehydratable refrigerant capacities according to Standard ARI 710-86.

■ Technical features of drying and cleaning cores

CARLY References	Drawing Nb	Dimensions (mm)					Net weight (kg)
		Ø1	Ø2	Ø3	Ø4	L	
CCY 42 HP	1	80,5	74,5	29,5	/	148,0	0,68
CCY 48 HP	2	94,0	82,0	45,0	60,0	139,5	0,79
CCY 100 HP	1	121,0	108,0	53,0	/	164,0	1,52
PLATINIUM 48	2	94,0	82,0	45,0	60,0	139,5	0,79
CCY 42 N	1	80,5	74,5	29,5	/	148,0	0,53
CCY 48 N	2	94,0	82,0	45,0	60,0	139,5	0,70
CCY 100 N	1	121,0	108,0	53,0	/	164,0	1,36





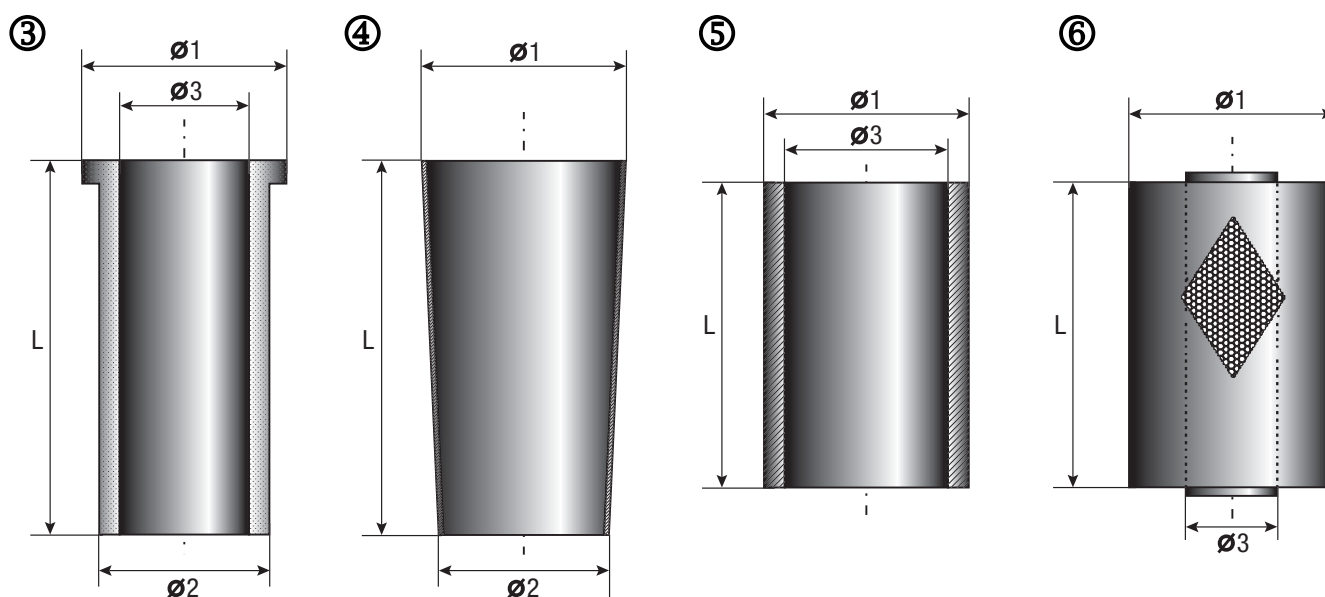
Drying, filtering and cleaning cores

→ CCY F / CCY I / CCY HU

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■ Selection table and technical features of filtering cores

CARLY References	Drawing Nb	Surface de filtration (cm ²)	Dimensions (mm)				Net weight (kg)
			Ø1	Ø2	Ø3	L	
CCY 42 F	3	374	81	62	42,0	155,0	0,06
CCY 48 F	5	420	93	/	75,0	140,0	0,09
CCY 100 F	5	630	122	/	105,0	166,0	0,13
CCY 42 I	4	374	81	62	/	155,0	0,10
CCY 48 I	5	420	93	/	75,0	140,0	0,12
CCY 100 I	5	630	122	/	105,0	166,0	0,18
CCY 48 HU	6	5790	101	/	27,5	152,6	0,30



■ Spare parts

CARLY References	Description	Types	Quantity
CY 15553000	Gasket for mode 48 core ends	CCY 48 HP - CCY 48 N - PLATINIUM 48	1
CY 15553100	Gasket for mode 100 core ends	CCY 100 HP - CCY 100 N	1
CY 1555211	End plate gasket	BDCY	1
CY 1555601	End plate gasket	ACY - BCY	1
CY 1555701	End plate gasket	BACY - BBCY	1



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■ Weights and packaging

CARLY references	Unit weight (kg)		Packaging unit	
	With packaging	Without packaging	standard	OEM'S
CCY 42 HP	0,77	0,68	20	/
CCY 48 HP	0,90	0,79	15	/
CCY 100 HP	1,75	1,52	6	/
PLATINIUM 48	0,90	0,79	15	/
CCY 42 N	0,62	0,53	20	/
CCY 48 N	0,81	0,70	15	/
CCY 100 N	1,58	1,36	6	/

CARLY references	Unit weight (kg)		Packaging unit	
	With packaging	Without packaging	standard	OEM'S
CCY 42 F	0,15	0,06	6	/
CCY 48 F	0,18	0,09	15	/
CCY 100 F	0,14	0,13	6	/
CCY 42 I	0,19	0,10	6	/
CCY 48 I	0,21	0,12	15	/
CCY 100 I	0,27	0,18	6	/
CCY 48 HU	0,41	0,30	15	/