



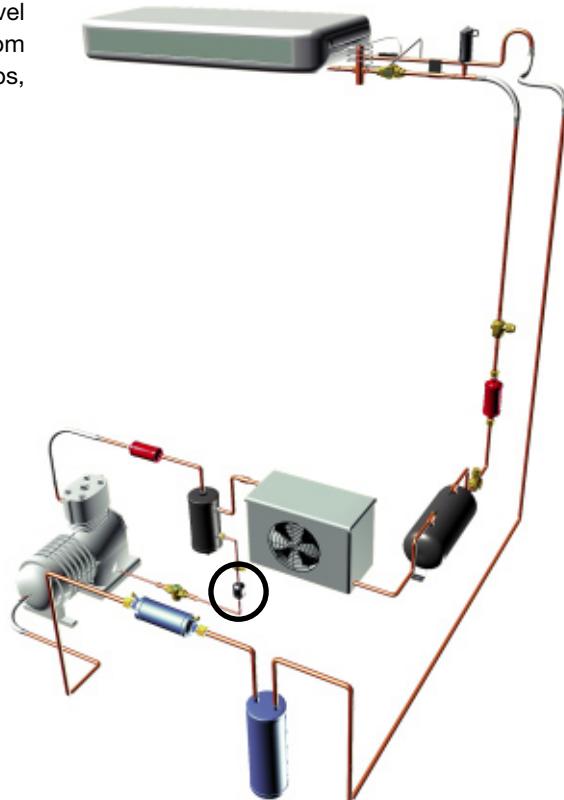
Oil filters

→ HCYF

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■ Applications

- Oil filtering on the oil return line to the compressor sumps of refrigerating and air conditioning installations.
- These filters are required for the good operation of oil level regulators and to protect them as well as the compressors, from any contaminants that could damage them (metallic chips, filings, oxides, sludge, etc ...).



■ 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..
- Product classification in CE categories is performed using the PED 97/23/EC table, corresponding to a volume-based selection.
- Filtrating core made of stainless steel mesh cloth.
- Filtering efficient at 150 microns.

■ CARLY advantages

- Very large filtering surface areas.
- Presence of a permanent magnet located at the intake of the filter, ensuring the immediate “trapping” of all steel particles.
- Very large range of filters: 6 different models.
- Connections to solder are made of copper-plated steel and allow the use of filler metals with a low silver content; their resistance to pressure is much higher than that of full copper connections.
- GOST certified products.



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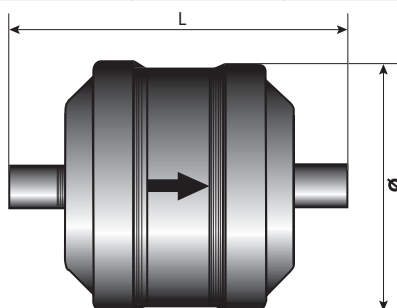
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■ Recommendations

- * The oil filters are to be mounted on the oil return line, between the oil separator and the oil level regulator, as close as possible to the latter.
- * The direction of oil flow indicated by an arrow on the filter tag should be respected.
- * The level of filter blocking should be regularly checked, making sure that the oil return is correct at compressor sumps.
- * It is highly recommended to install a HCYVP sight glass upstream of the oil filter (refer to chapter 47), in order to visually check the presence and condition of the oil.
- * HCYF oil filter only ensures mechanical filtering of solid contaminants; to ensure an optimal protection of the oil level regulators and of the compressors operating with highly hydrophilous POE oils, it is imperative to use an HYDROIL filter drier for POE oils: refer to chapter 46.
- * General assembly precautions: refer to chapter 115.

■ Technical features

CARLY references	Connections		CARLY references	Connections	Filtering surface (cm ²)	Dimensions (mm)		Net weight (kg)
	To screw SAE inch	To solder ODF inch				To solder ODF mm	Ø	
HCYF 52	1/4				70	54	121,0	0,25
HCYF 53	3/8				70	54	127,0	0,25
HCYF 53 S		3/8	HCYF 53 MMS	10	70	54	111,5	0,25
HCYF 83	3/8				121	93	140,0	0,75
HCYF 84	1/2				121	93	144,0	0,80



CARLY references		Volume	Maximal working pressure	Working pressure (1)	Maximal working temperature	Minimal working temperature	Working temperature (1)	CE Category (2)
		V (L)	PS (bar)	PS BT (bar)	TS maxi (°C)	TS mini (°C)	TS BT (°C)	
HCYF 52		0,1	42	10	100	-40	-20	Art3§3
HCYF 53		0,1	42	10	100	-40	-20	Art3§3
HCYF 53 S	HCYF 53 MMS	0,1	42	10	100	-40	-20	Art3§3
HCYF 83		0,5	42	10	100	-40	-20	Art3§3
HCYF 84		0,5	42	10	100	-40	-20	Art3§3

(1) The working pressure is limited to the PS BT value when working temperature is lower than or equal to TS BT value.

(2) Classification by volume, according to PED 97/23/EC (refer to chapter 0 page 7).



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■ Weights and packaging

CARLY references	Unit weight (kg)		Packaging unit	
	With packaging	Without packaging	standard	OEM'S
HCYF 52	0,28	0,25	24	/
HCYF 53	0,28	0,25	24	/
HCYF 53 S & MMS	0,28	0,25	24	/
HCYF 83	0,78	0,75	6	/
HCYF 84	0,83	0,80	6	/