

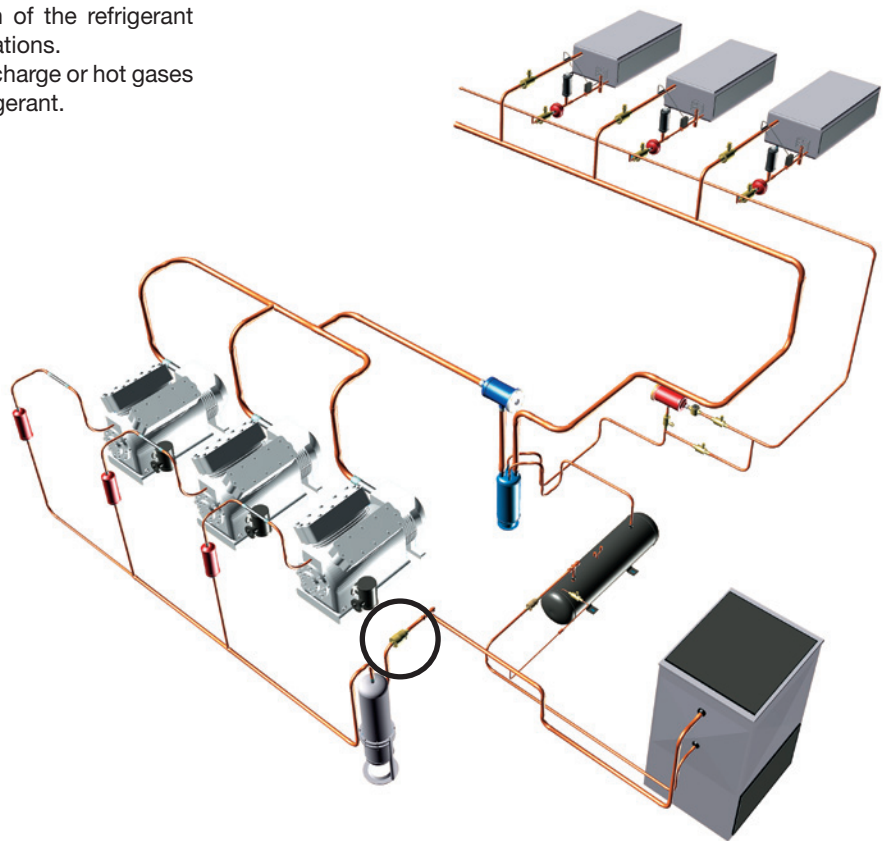
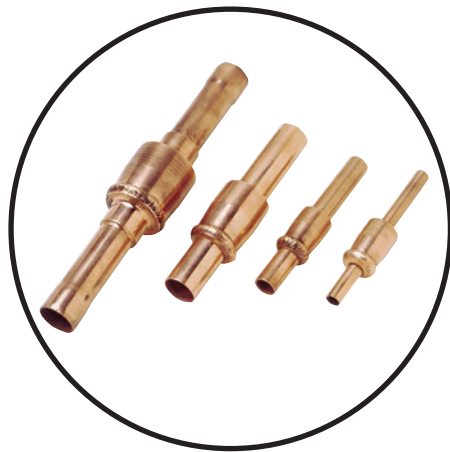


Check valves

→ CRCY

■ Applications

- The check valves ensure a one-way direction of the refrigerant flow, in refrigerating and air conditioning installations.
- They can be mounted on the liquid, suction, discharge or hot gases defrost line, to prevent unwanted return of refrigerant.



■ Functional features

- Products are compatible with CFCs, HCFCs, HFCs, CO₂s, 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. To use CARLY components with fluids of the hydrocarbon group 1 – Propane R290, Butane R600, Isobutane R600a, Propylene R1270 – with HFOs and transcritical CO₂ and for a RANKINE organic cycle application, contact CARLY technical department.
- Product classification in CE categories is performed using the PED 97/23/EC table, corresponding to a nominal diameter-based selection.
- The brass body of the valves ensures perfect resistance to corrosion.
- An arrow indicating the refrigerant flow direction is engraved on the brass body of the valve.
- 11 models with connections to braze (from 1/4" to 7/8" and from 6 to 22 mm).
- The long copper sleeves allow quick and safe brazing of connections.

■ CARLY advantages

- Maximum working pressure 46 bar.
- The check valves can be installed in all positions.
- They are equipped with an internal pulse absorber piston, with PTFE gasket.
- Pressure drops are negligible.
- Perfect air tightness ensured by a TIG brass weld of the body.
- Thanks to their reduced weight, the check valves CRCY requires no specific fixing.
- GOST certified products.

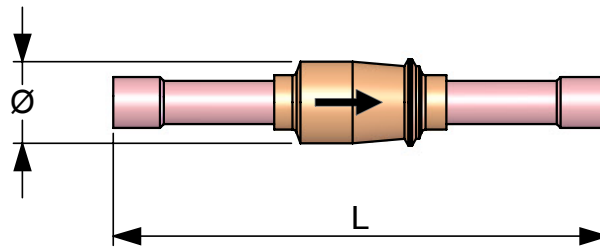


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■ Technical features

CARLY references	Connections To solder ODF inch	CARLY references	Connections To solder ODF mm	Dimensions mm	
				Ø	L
CRCY 2 S	1/4	CRCY 2 MMS	6	18	92
CRCY 3 S	3/8	CRCY 3 MMS	10	18	109
CRCY 4 S	1/2	CRCY 4 MMS	12	27	131
CRCY 5 S/MMS	5/8	CRCY 5 S/MMS	16	27	138
CRCY 6 S	3/4	CRCY 6 MMS	18	36	158
CRCY 7 S/MMS	7/8	CRCY 7 S/MMS	22	36	180



CARLY references	Nominal diameter	CARLY references	Nominal diameter	Maximal working pressure	Working pressure ⁽¹⁾	Maximal working temperature	Minimal working temperature	Working temperature ⁽¹⁾	CE Category ⁽²⁾
	DN inch		DN mm						
CRCY 2 S	1/4	CRCY 2 MMS	6	46	15	120	-40	-30	Art3§3
CRCY 3 S	3/8	CRCY 3 MMS	10	46	15	120	-40	-30	Art3§3
CRCY 4 S	1/2	CRCY 4 MMS	12	46	15	120	-40	-30	Art3§3
CRCY 5 S/MMS	5/8	CRCY 5 S/MMS	16	46	15	120	-40	-30	Art3§3
CRCY 6 S	3/4	CRCY 6 MMS	18	46	15	120	-40	-30	Art3§3
CRCY 7 S/MMS	7/8	CRCY 7 S/MMS	22	46	15	120	-40	-30	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 diameter, according to PED 97/23/EC (refer to chapter 0).



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■ Weights and packaging

CARLY references	Unit weight kg		Packaging number of pieces
	With packaging	Without packaging	
CRCY 2 S & MMS	0,06	0,05	1
CRCY 3 S & MMS	0,09	0,06	1
CRCY 4 S & MMS	0,14	0,13	1
CRCY 5 S/MMS	0,21	0,20	1
CRCY 6 S & MMS	0,26	0,24	1
CRCY 7 S/MMS	0,28	0,25	1