

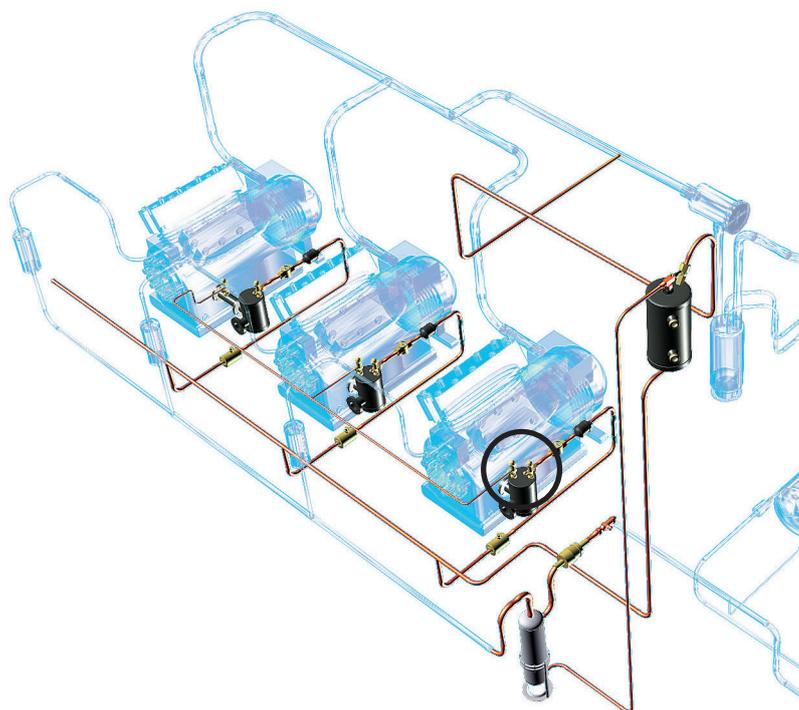


## Isolation valves for oil level regulators

### → HCYVI

#### ■ Applications

- Isolation of LEVOIL oil level regulators of refrigerating and air conditioning installations, in order to facilitate the oil line maintenance operations.



#### ■ Functional features

- Products are compatible with HFCs, HCFCs, HFO, CO<sub>2</sub> as well as with their associated oils and additives. Products are designed for use of non-hazardous refrigerants from group 2 of PED 2014/68/EU. To use CARLY components with fluids of the hydrocarbon group 1 - contact CARLY technical department.
- Product classification in CE categories is performed using the PED 2014/68/EU table, corresponding to a nominal diameter-based selection.
- 8 mm square section inspection rod to be handled with appropriate tool.
- Neoprene® internal O-rings.
- Delivered with a copper gasket for the revolving side of the nut.

#### ■ CARLY advantages

- Maximum working pressure.
- Those isolation valves may be mounted on low and high pressure (up to 46 bar) oil return systems.
- Connection to the 360° adjustable oil level regulator thanks to a revolving nut.
- The body and internal needle valve in brass, combined with a robust stainless steel dudgeon guarantee a perfect resistance to corrosion.
- Fully waterproof screwed cap protects against any accidental operation of the adjustment rod.
- Possibility to have vertical and horizontal valves (H in 3/8" version with compact size in height).



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### ■ Warning

Before selecting or installing any component, please refer to the chapter 0 - **WARNING**.

### ■ General assembly precautions

The installation of a component in a refrigeration system by a skilled professional, requires some precautions:

- Some are specific to each component, and in this case, they are specified in the

**RECOMMENDATIONS SPECIFIC** part defined hereafter ;

- Other are general to all CARLY components, they are presented in the chapter 115 – **GENERAL ASSEMBLY PRECAUTIONS**.

- The recommendations relating to the CARLY components for the subcritical CO<sub>2</sub> applications are also developed in chapter 115 – **GENERAL ASSEMBLY PRECAUTIONS**.

### ■ Recommendations specific to the isolation valves HCYVI

- The isolation valves are to be mounted on the oil level regulators:

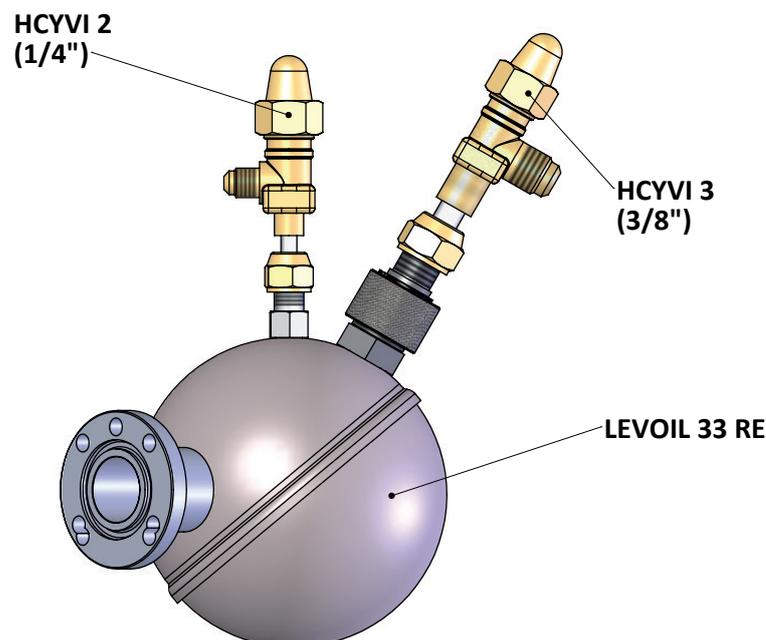
HCYVI 3 : on the 3/8" SAE oil inlet connection

HCYVI 2 : on the 1/4" SAE pressure equalization connection and oil inlet (LEVOIL 22)

- The tightening of the isolation valves must imperatively be made with two open-end spanners, in order to avoid the twisting of the pipes, and the deterioration of their brass body (tightening with pliers proscribed).
- During installation of the isolation valves,

carefully watch the correct positioning of the supplied copper seals.

- After every disassembly of the isolation valves, it is imperative to replace the copper gasket before the re-assembly.





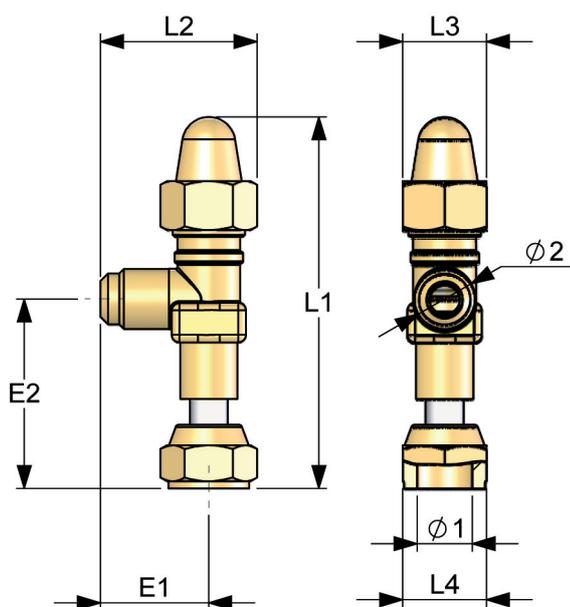
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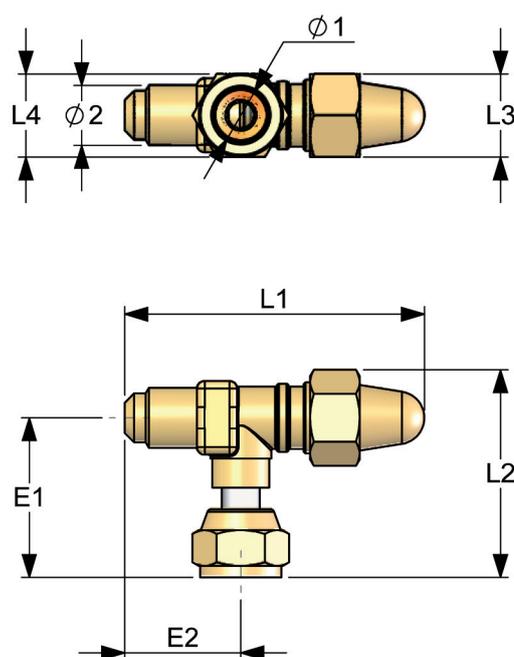
### ■ Technical features

CARLY references	Connections To screw SAE		Drawing Nb	Dimensions mm					
	Ø1 inch	Ø2 inch		L1	L2	L3 upper faces	L4 upper faces	E1	E2
HCYVI 2	1/4	1/4	1	94	38	20	17	25	41
HCYVI 3	3/8	3/8	1	104	42	20	21	29	51
HCYVI 3H	3/8	3/8	2	83	57	20	21	43	31

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CARLY references	Nominal Diameter	Maximal working pressure	Working pressure <sup>(1)</sup>	Maximal working temperature	Minimal working temperature	Working temperature <sup>(1)</sup>	CE Category <sup>(2)</sup>
	DN inch	PS bar	PS BT bar	TS maxi °C	TS mini °C	TS BT °C	
HCYVI 2	1/4	46	/	120	-20	/	Art4§3
HCYVI 3	3/8	46	/	120	-20	/	Art4§3
HCYVI 3H	3/8	46	/	120	-20	/	Art4§3

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

<sup>(2)</sup> Classification by diameter, according to PED 2014/68/EU (refer to chapter 0).



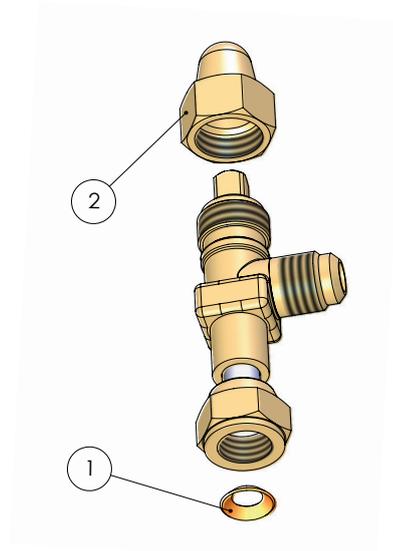
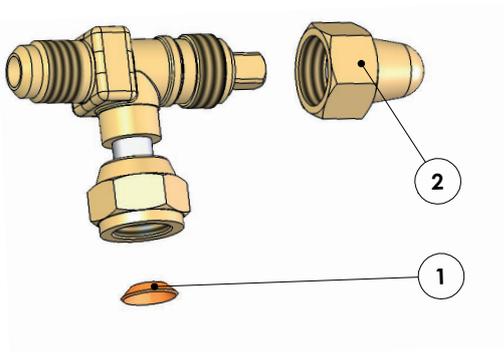
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### ■ Spare parts

CARLY references		Part N°	Description	Quantity
Isolation valves for oil level regulators	Spare parts			
HCYVI 2 / HCYVI 2H	CY 15590010	1	Set of 25 taper copper gaskets for 1/4" SAE connection	1
HCYVI 3 / HCYVI 3H	CY 15590020	1	Set of 25 taper copper gaskets for 3/8" SAE connection	1



### ■ Weights and packaging

CARLY references	Unit weight kg		Packaging number of pieces
	With packaging	Without packaging	
HCYVI 2	0,11	0,11	1
HCYVI 3	0,20	0,20	1
HCYVI 3H	0,16	0,16	1