Pol. Ind. Gelidense III – Naves 20-21B
08790 Gelida – Barcelona – España
**Tel**. +34 93 779 35 21
export@grupoheca.es
www.hecapo.com

# DATA SHEET

## CHECK VALVE

DESCRIPTION

Set of charging valves which are used in refrigeration and air conditioning systems as a service valve for charging or recharging of HCFC and HFC refrigerant gases such as: R22T, R134a, R404A, R407C, R410A, R32, etc. They use for the discharge of circuits, pressure taps, sweeping for dehydration prior to start-up, etc., all without emptying the circuit.

.

Ref. 4621400004

Ref. 4621400006

Ref. 4621400007

COMPONENTS

They are made by 3 elements:

1. Valve body
2. Check valve
3. Lockable stopper

(All items are supplied assembled)

MANUFACTURING PROCESS

They are made using a H 56 brass turning process and subsequent assembly.

MODELS:

- **Reference 4621400004:** Set of check valve to weld to 1/4 copper tube, manufactured with a greater length and reduced diameter at the back to facilitate the welding of this to the copper tube, reducing the possible heating of the inner valve. It also has a ¼ SAE thread closure cap and NBR gasket.

- **Reference 4621400006:** Check valve M-M 1/4 SAE with sealing cap and gasket.
- **Reference 4621400007:** Check valve M '1/4 SAE – M 1/8 GAS, with sealing cap and gasket.

Pol. Ind. Gelidense III – Naves 20-21B
08790 Gelida – Barcelona – España
**Tel**. +34 93 779 35 21
export@grupoheca.es
www.hecapo.com

INSIDE MECHANISM "OBUS"

The inner mechanism of a check valve is made up of an external threaded vacuum cylindrical metal tube and typically bronze with nickel. In the center of the outer end there is a metal pin that points along the axis of the valve stem; the end of the pin is approximately at the end of the valve body. The tightness is achieved with two parts of synthetic material resistant to refrigerant gases, one in the central part of the mechanism to ensure external tightness and the other at the end of the central shaft, to ensure internal tightness.

VALVE PLUG "OBUS"

The external closing plug is important in a check valve because if it is not installed, dirt and water can enter inside the valve, potentially block it or contaminate the sealing surfaces and cause a leak.
The seal of the stopper is important (usually a seal made of elastic synthetic material), and that in addition to helping to maintain the tightness of the system in case of a slight leakage from the check valve, it acts as a shock absorber, so that the stopper does not unscrew due to vibrations and end up leaving its housing with the aforementioned disadvantages.
In addition, the cap of reference 4621400004 is provided with a slot that serves as a tool to unscrew the valve. It is necessary to remove the cap and rotate it 180 degrees to fit the slot in the flat parts of the valve and rotate counterclockwise.

TEMPERATURE RANGE

Min./max.: -30°C / +120°C

WORKING PRESSURE

Between 0-30 Bar

MAXIMUM PRESSURE

40 Bar.

TORSION

0,4-0,8 N.m

FLOW

7 bar (air) 11 m³/h