

Pipe coupling PCV Cupla PCV1590-0, brass - Nitto Kohki 411309100

Item no. NKH-411309100

Manufacturer Nitto Kohki

The plug is the counterpart to the clamped pipe and carries the connection on to a test rig, hose or charging station. Because the series is valveless, fluid passes in either direction without a restriction. Plug bodies are available in brass and in stainless steel. Model PCV1590-0, brass, Seal material CR.

Kein Produktbild

TECHNICAL DATA

Betriebsdruck max [bar] **45.000000**

Weight **0.05 kg**

Werkstoff **Messing**

DESCRIPTION

The PCV Cupla clamps straight onto a copper pipe, so no welding or flaring is needed at the test point. One lever stroke clamps and seals in a single move, and once connected the joint holds a vacuum down to 1.3×10^{-1} Pa at a working pressure of 4.5 MPa.

- Clamps directly onto straight copper pipe, removing welding and flaring from every test cycle
- Double seal on the pipe end face and outer surface holds a vacuum down to 1.3×10^{-1} Pa
- Working pressure of 4.5 MPa with a brass body covers leak testing and refrigerant charging
- Three seal materials cover different temperature windows: CR from -20 °C to +80 °C, HNBR from -20 °C to +120 °C, FKM from -20 °C to +180 °C
- Valveless design lets fluid flow in either direction, from the plug side or from the socket side
- Models cover pipe outside diameters from 4.0 mm to 15.88 mm with R 1/4, R 3/8 or blind plug ends

TECHNICAL DATA

Model

PCV1590-0

Coupling part

plug

Body material

brass

Seal material

CR

Working pressure

4.5 MPa (45 bar)

Article number

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APPLICATIONS

- Leak testing of copper lines on air conditioner and refrigerator production lines
- Evacuation of pipework before charging
- Refrigerant gas charging on the assembly line
- Compressor pressure testing
- Connecting test and measuring equipment to inert gas and vacuum lines

COMPATIBILITY

The PCV Cupla is intended for straight copper pipe only, and the model is selected by pipe outside diameter from 4.0 mm to 15.88 mm. Minimum pipe wall thickness is 0.8 mm or 1.0 mm depending on size.

STANDARDS AND COMPLIANCE

Standard seal materials are fluoro rubber FKM (X-100), hydrogenated nitrile rubber HNBR (H708) and chloroprene rubber CR (C308), with HNBR coloured blue for easy recognition.