

## Quick connect coupling Compact Cupla CO-40PN, BSBM - Nitto Kohki 349826797

Item no. NKH-349826797

Manufacturer Nitto Kohki

The plug carries its own automatic shut-off valve and keeps the connected side closed on disconnection. Its outer diameter is 15.5 mm and it weighs 19 g to 25 g depending on the version. It is fitted on the device or hose side. Model CO-40PN, BSBM, Seal material FKM.

### TECHNICAL DATA

Betriebsdruck max [bar] 10.000000

Weight 0.05 kg



### DESCRIPTION

On temperature control lines and lab equipment every drop released at disconnection is noticed. The Nitto Kohki Compact Cupla carries an automatic shut-off valve in both socket and plug, so only 0.23 mL escapes per disconnection, and it works up to 1.0 MPa.

- Shut-off valves in both socket and plug (two-way shut-off) keep spillage to 0.23 mL per disconnection and air admixture to 0.34 mL per connection
- Working pressure up to 1.0 MPa at a maximum outer diameter of 17.5 mm, so the coupling fits small bore piping
- Body in brass or stainless steel SUS 304, both corrosion resistant, with identical dimensions in either material
- FKM seal as standard for -20 °C to +180 °C, EPDM available on request for -40 °C to +150 °C
- Free cross-section of 8.8 mm<sup>2</sup> on the threaded and ø6 x ø8 versions, and once coupled the fluid flows in either direction
- Operational under vacuum down to 0.13 Pa in the connected state

### TECHNICAL DATA

|               |         |
|---------------|---------|
| Model         | CO-40PN |
| Coupling part | plug    |
| Body material | BSBM    |

|                         |                  |
|-------------------------|------------------|
| <b>Seal material</b>    | FKM              |
| <b>Working pressure</b> | 1.0 MPa (10 bar) |
| <b>Valve structure</b>  | Two-way shut-off |
| <b>Article number</b>   | 349826797        |

## APPLICATIONS

- Temperature control lines on tools and machines that are changed frequently
- Laboratory and analytical equipment with small bore piping
- Water circuits up to 1.0 MPa, tested at 20 °C and 5 °C
- Tube connection  $\varnothing 4 \times \varnothing 6$  mm and  $\varnothing 6 \times \varnothing 8$  mm for polyamide, polyolefin and fluororesin tube
- Branch piping in small bore systems with 1/8 inch threaded ends

## COMPATIBILITY

Sockets and plugs of the Compact Cupla connect with each other regardless of end configuration, and once coupled the fluid may flow from either the socket or the plug side. Vacuum suitability down to 0.13 Pa applies in the connected state only. On the tube nut versions the working pressure and temperature range depend on the tube material and its dimensional tolerance.

## STANDARDS AND COMPLIANCE

The threaded end is 1/8 inch with a maximum tightening torque of 5 Nm in brass and 9 Nm in stainless steel SUS 304, on the tube barb the figures are 5 Nm and 7 Nm, sealing materials are fluoro rubber (FKM) and ethylene propylene rubber (EPDM).