

Quick connect coupling Semicon SP Cupla 6P-304-KL, stainless steel - Nitto Kohki 349818942

Item no. NKH-349818942

Manufacturer Nitto Kohki

The plug is the insert half of the coupling and screws to the container or the line through its female thread, sized from Rc 1/8 to Rc 1. Its valve closes on separation so the fluid stays where it belongs. A dust cap is supplied with every plug to keep the connection clean between uses. Model 6P-304-KL, stainless steel, Seal material Kalrez.

TECHNICAL DATA

Betriebsdruck max [bar] 2.000000

Material Stainless steel

Weight 0.05 kg



DESCRIPTION

Made for high purity chemicals in semiconductor production, the Semicon SP Cupla connects containers and lines at a working pressure of 0.2 MPa. Body and valve springs are stainless steel SUS304 and the body is electro-polished.

- Working pressure of 0.2 MPa combined with a two-way shut-off valve keeps the fluid inside both container and line when the coupling is separated.
- Body and valve springs in stainless steel SUS304, with an electro-polished body surface for higher corrosion resistance.
- Four seal materials to choose from, FKM (X-100), EPDM (EPTS), perfluoroelastomer and Kalrez, each rated for 0 °C to +50 °C.
- No grease is applied to the seal, and all components are cleaned, assembled, inspected and packed in a clean room.
- Six sizes from Rc 1/8 to Rc 1 cover minimum cross-sectional areas from 13 mm² to 192 mm².
- Every plug comes with a dust cap, and SUS316 bodies and valve springs are available made to order.

TECHNICAL DATA

Model	6P-304-KL
Coupling part	plug

Body material	stainless steel
Seal material	Kalrez
Working pressure	0.2 MPa (2 bar)
Valve structure	Two-way shut-off
Article number	349818942

APPLICATIONS

- Connecting stainless steel containers of 10 to 20 litres on semiconductor production lines
- Drawing high purity chemicals from containers of 100 to 200 litres
- Water and gas lines on semiconductor manufacturing equipment
- Compressed air connections on equipment operated inside clean rooms
- Process sections where the seal has to be matched to the fluid being handled

COMPATIBILITY

A socket and a plug of the same size can be connected regardless of their end configurations. Female threads are available as Rc, as NPT and as 19/32-18UNS.

STANDARDS AND COMPLIANCE

Female threads from Rc 1/8 to Rc 1 plus 1/8-27NPT, 1/4-18NPT and 19/32-18UNS, with stainless steel SUS304 as the standard body material and SUS316 as a made-to-order option.