

Captive quick-connect coupling I.D. 7.8

PLUS

Art. No. 136994

Type No. SVKUNW5IG14R



Exemplary illustration

One-hand quick disconnect couplings with a large bore.

Different media can be connected safely and non-interchangeably even when space is restricted, thanks to the colour-coded coupling and plug and the different coupling profiles defined for each of the four colours.

Only couplings and plugs of the same colour fit together.

Areas of application: Pneumatic system, machine and plant engineering, measurement, monitoring and control systems, manufacturing industry, medical technology, chemical / pharmaceutical industry, automotive, food technology, aerospace.

Technical data

| | |
|-----------------------|--|
| Operating pressure | 0 to 35 bar, maximum static working pressure (non-pulsating) |
| Medium temperature | -20 to 100 °C |
| Ambient temperature | -20 to 100 °C |
| Housing | Brass with a bare metal surface MS58 |
| Valve | Brass with a bare metal surface MS58 |
| Unlocking sleeve | Anodised aluminium |
| Spring | Stainless steel 1.4310 |
| Retaining ring | Stainless steel 1.4310 |
| Ball | Stainless steel 1.3541 |
| Sealant | NBR |
| DN | 5 |
| Colour | red |
| Flow rate measurement | at 6 bar and $\Delta p = 0.5$ bar |
| Flow rate | 430 l/min |

The couplings may only be used with plug nipples from the same series.

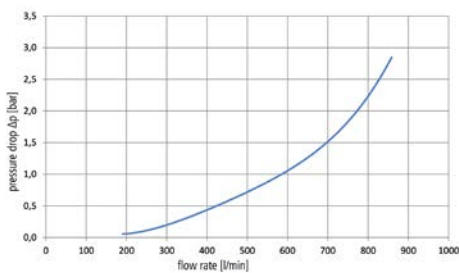
Commercial data

| | |
|-------------------------|--------------|
| Customs tariff number | 84818079 |
| Country of origin | DE |
| eCl@ss 5.1.4 | 27294205 |
| eCl@ss 9.0 | 27294205 |
| UNSPSC_Code_v190501 | 27131613 |
| UNSPSC_CodeDesc_v190501 | Air coupling |

Material informations

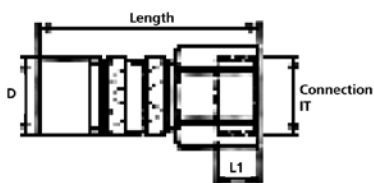
| | |
|----------------------------|-------------------------|
| REACH SVHC1 substance name | lead |
| CAS no. SVHC 1 | 7439-92-1 |
| RoHS materials notice | RoHS compliant |
| REACH Info | contains SVHC substance |

Flow chart



System pressure: 6 bar (ü)
 Flow value given at 0.5 bar pressure drop
 Flow depends on connection type and size of coupling and plug

Dimensions



| Connection | a/f mm | Length mm | D mm | L1 mm |
|------------|-----------|--------------|---------|----------|
| G 1/4 IT | 17 | 49.0 | 16.0 | 9.0 |

Service manual

Quick-connect couplings are predominantly maintenance-free, if used in standard applications and handled carefully. The selection of the quick-connect coupling must be compatible with the intended purpose of use and material. Depending on the operating conditions it is recommended to provide the following points during maintenance:

External visual inspection with dirt in the functioning area of coupling and plug (seal area, control elements) these must be cleaned. The following distinguishing symptoms require replacement of the corresponding parts: Torn, damaged, heavily damaged or corroded parts, leaks on coupling and / or plug parts.

Function test under maximum Max. operating pressure can be used to test the quick-connect coupling for possible malfunctions and leaks. During the testing and operating phase it must be ensured that the operating personnel work protected.

Replacement intervals for quick-connect couplings must, if available, be adapted to the state or technical standards. However, also operating experiential values, which result from the required operational safety and the conditions of use, such as downtimes, coupling frequency, Max. operating pressure and properties of the medium, are critical for establishing the replacement intervals.

Pulsating tool

When using pulsating tools it is recommended to observe the standard ISO 6150, § 7.1. It recommends installing a minimum 300 mm long, flexible hose between the pulsating tool and the quick-connect coupling. The oscillating forces are taken by the hose piece and thus increase the service life of the quick-connect coupling. No warranty can be made for couplings mounted directly on pulsating tools.

Flow direction

The recommended flow direction is from the coupling to the plug if nothing else is specified in the technical data sheet.



Application with hoses

When using hoses the permissible Max. operating pressure and the working temperature must absolutely be observed and suitable hose connections must be seen to.