

## Plug In System for Temperature Control Application -incl. leak stop-

# STH-C-ALS

### Product description



#### STH-C ALS the plug-in system with leak stop by SCHÄFER

The plug-in system allows easy, safe and clean connection of pipe and hose lines by simple plug-in. Here, the plug-in connector is designed „leak-proof“ with an integrated non-return valve. Because of this, even pre-filled lines can be connected. Depending on the application, the leak stop can either be included in one side or in both connector parts. The simple and quick assembly of the pre-filled lines are the plug-in system's benefits. Moreover, e.g. maintenance works can be carried out quicker and without spilling the fluid due to the integrated non-return valve – important in sensitive areas, such as clean rooms or hospitals.

- The interlocking is done by simple plugging, the plug control is carried out with a counter move control
- The interlocking system with 2 round wire rings is a process patented by Schäfer
- The unlocking is carried out with a release ring integrated in the connector
- The integrated leak stop prevents the spill of the fluid in the tube (even under pressure in the disassembled - released - state)

### Technical Specification

Nominal Pressure  
**Depends to the Application**

Burst Pressure  
**Min. 4 x Nominal Pressure**

Temperature Range  
**Depends to the Application**

Material Quick Connector  
**Brass**

Material System Sealing  
**According to Medium**

Range STH-C ALS  
**Size 10, 12, 16**

Range Hose Connection  
**NW 4 – NW 18 mm**

More information  
[STH-C-ALS in website](#)

Alternative materials available  
by request

For more information on all Schäfer programs please visit our website in english at:

[www.jsch.de](http://www.jsch.de)



## Features



STH-C ALS is a further development of our connector system for high-pressure hydraulics STH-C. Hereby, the benefits of this established connection system technology are completed by an integrated non-return valve. In addition to this, the system is equipped with a release ring permanently affixed to the connector (male connection component).

### Features of STH-C

- **Considerable reduction of assembly time**  
Simple connection instead of screwing in
- **Optimized design of constructed space by minimized space requirements**  
No assembly tools necessary; disassembly by using a release ring integrated in the connector
- **Reliable leak-proof hydraulics system**  
Leakages by under and over-tightening are eliminated due to the 2-ring interlocking technology.
- **Integrated leak stop**  
Allows the connection of pre-filled tubes, as well as an uncoupling of the tube without spilling the fluid inside during maintenance or repair works.

## Application examples



### STH-C ALS, the plug-in system with leak stop by SCHÄFER

The plug-in system for a quick, safe and clean connection. The system was designed for the use in sensitive or clean work areas. The integrated non-return valve prevents spilling of the included fluid while uncoupling the connection during maintenance or repair works. Therefore, maintenance can be carried out much quicker compared with conventional connection technology and a contamination of the environment is excluded. In addition to that, the plug-in system is also suitable for applications which include pre-filled pipelines that need to be connected in the initial assembly.

Fields of application for STH-C ALS are (among others):

- Cooling and temperature control circuits in medical devices (e.g. MRT)
- Cooling and temperature control circuits of industrial plants in controlled areas or clean rooms
- Hydraulics system in the automotive industry (chassis, steering, clutch etc.)

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