

Quick Couplings

NEW!

Temperature control units are often connected to the application with insulated hoses (e.g. a reactor). There are different applications to be connected to the unit, then our quick-disconnect couplings are recommended. The quick-disconnect fills the special requirements that temperature control requires and reliably prevents leakage of thermal fluid. The quick-disconnect produces only a small pressure drop and allows good performance of the entire system. If pressure sensitive apparatus is used, then we strongly recommend use of the optional adaptor #10417 to connect an operator supplied pressure relief system in the application's flow line. Glassware can be protected from the danger of damage through bursting.

Technical specifications:

- Media temperature: -90 °C ... +230 °C
- Operating pressure: max. 25 bar @ 20 °C
- Leakage rate: < 0,4 ml per decoupling cycle
- Pressure drop Δp (with water):
 - at 40 l/min: 0,04 bar
 - at 100 l/min: 0,25 bar
- Material: Stainless steel 1.4404 / 1.4571
- Permissible media: Huber Heat Transfer Fluids

Advantages

- ✓ Optimum flow, low pressure loss, good heat transfer
- ✓ High-quality, durable sealing compounds for safe operation
- ✓ All components are made of stainless steel
- ✓ The free rotation prevents hose torsion
- ✓ Possible installation in bulkhead, e.g. to connect to a glass reactor
- ✓ Minimum axial coupling forces required due to a bayonet locking device
- ✓ Low leakage rate during disconnection
- ✓ Smooth surfaces within the valve allows cleaning easy
- ✓ Worn parts can be replaced (e.g. main seal)
- ✓ Optional equipment on request:
 - ATEX approval for Zone 2, II 2G IIC Tx
 - Dust and insulation caps for both coupling parts
 - Acceptance test certificate according to DIN EN 10204-2.1, -2.2 or -3.1

Coupling
| 10407 |



| 10406 |
Fitting

The new quick couplings allow the safe separation of the application (e.g. reactor) from the temperature control unit – without draining!



| 10417 |
Pressure relief connection