# Data sheet
## Quick connect coupling
## Series 206

| Coupling: 206KL | Plug: 206SL | DN: 6 = 28 mm² |
|---|---|---|

**Working pressure (static):** 0 up to 35 bar

**Working temperature:** -20°C up to +100°C (depending on the seal material and medium)

| | | | | | | |
|---|---|---|---|---|---|---|
| Single shut off | ☐ | Single hand operation | ☒ | ULTRA-FLO-Valve | ☐ |
| Double shut off | ☒ | Two hand operation | ☐ | Pipe-valve | ☐ |
| Straight through | ☐ | Ball locking system | ☒ | U-Cup-Seal | ☐ |
| Self venting | ☐ | Pin locking system | ☐ | O-Ring-Seal | ☒ |
| Safety lock | ☐ | Coupling anti-splash | ☒ | | ☐ |
| Dry Break | ☒ | Plug anti-splash | ☒ | | ☐ |

## Materials:

| | Version | | |
|---|---|---|---|
| | Standard | AISI 303 | AISI 316 Ti |
| Back body | Brass, nickel plated | | |
| Valve body | Brass, nickel plated | | |
| Sleeve | Brass, nickel plated | | |
| Valve | Brass, nickel plated | | |
| Spring | AISI 303 | | |
| Locking Balls / Pins | AISI 420 | | |
| Seals | NBR | | |
| Plug | Brass, nickel plated | | |

## Description:

Dry-break coupling systems, which stand out for their extremely low leakage rates and a minimum volume of dead space.
No air locks whatsoever during connecting and negligible film of channelled medium on the valve bodies when disconnecting.
Coupling systems for applications in sensitive environments, such as in analysis technology,cooling circuits,transport systems and many applications with aggressive medium.

## Interchangeability:

## Versions / special equipment (in part not for all versions, others upon request):

seal material Buna N, Viton, Kalrez, Ethylen-Propylen;
surface nickel plated, chrome plated, durnicoat;
oil and grease free, silicon free;

## Test values at 20°C (depending on the version):

| | | | |
|---|---|---|---|
| Flow-rate air: | 685 l/min at 6 bar inlet pressure and 0,5 bar pressure drop | | |
| Flow-rate water: | 8,85 l/min at 0,5 bar pressure drop | | |
| Vacuum coupling: | min. 95 % | Weight coupling: | app. 140 g |
| Vacuum plug: | min. 95 % | Weight plug: | app. 60 g |
| Vacuum connected: | min. 95 % | Leakage rate / dead volume: | app. 0,072 ml |
| Connecting force: | w/o pressure app. 80 N | at 6 bar inlet pressure | app. 150 N |
| Disconnecting force: | w/o pressure app. 12 N | at 6 bar inlet pressure | app. 24 N |
| Safety factor: | at least 4-times | Burst-pressure: | at least 60 bar |
| Fatigue: | 5000 cycles connecting/disconnecting | tightness and function O.K. | |

| Revision | Date | Name | | Date | Name | Document-no.: |
|---|---|---|---|---|---|---|
| | | | Made. | 28.02.11 | Tricarico | |
| | | | Check | | | 206KL-engl. |
| | | | Stand. | | | |