



Data sheet

Quick connect coupling

Series 75

Coupling: 75KB

Plug: 75SB

DN: 13 = 133 mm²

Working pressure (static): 0 up to 10 bar (at max. 50°C)

Working temperature: -20°C up to +90°C (depending on the seal material and medium)

| | | |
|---|--|---|
| Single shut off <input type="checkbox"/> | Single hand operation <input type="checkbox"/> | ULTRA-FLO-Valve <input type="checkbox"/> |
| Double shut off <input checked="" type="checkbox"/> | Two hand operation <input checked="" type="checkbox"/> | Pipe-valve <input type="checkbox"/> |
| Straight through <input type="checkbox"/> | Ball locking system <input checked="" type="checkbox"/> | U-Cup-Seal <input type="checkbox"/> |
| Self venting <input type="checkbox"/> | Pin locking system <input type="checkbox"/> | O-Ring-Seal <input checked="" type="checkbox"/> |
| Safety lock <input type="checkbox"/> | Coupling anti-splash <input checked="" type="checkbox"/> | |
| Dry Break <input type="checkbox"/> | Plug anti-splash <input checked="" type="checkbox"/> | |

Materials:

Standard

Version

| | | | |
|---------------|------------|--|--|
| Valve Body | POM, white | | |
| Sleeve | POM, white | | |
| Valve | AISI 303 | | |
| Spring | AISI 301 | | |
| Locking Balls | AISI 316 | | |
| Seals | Buna N | | |
| Plug | POM, white | | |

Description:

The 75KB series is a double shut-off hydraulic coupling made of non-rusting materials used for liquid mediums. It is a two hand operated coupling. The sleeve must first be pulled back before it can be connected. The plug profile is manufactured in accordance with ISO-7241-1 series B. The 75KB series can be used for chemistry, mechanical engineering, food sector, ideal for applications with liquids.

Interchangeability:

ISO-7241-1 series B

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

seal material Buna N, Viton, Kalrez, Ethylen-Propylen;
other materials on request
oil and grease free, silicon free;

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

Flow-rate air: - l/min at 6 bar inlet pressure and 0,5 bar pressure drop
Flow-rate water: 79 l/min at 0,5 bar pressure drop

| | |
|-----------------------------|--|
| Vacuum coupling: min. 87 % | Weight coupling: app. 170 g |
| Vacuum plug: min. 87 % | Weight plug: app. 70 g |
| Vacuum connected: min. 87 % | Leakage rate / dead volume: app. 10 ml |

| | |
|---|----------------------------------|
| Connecting force: w/o pressure app. 90 N | at 6 bar inlet pressure app. - N |
| Disconnecting force: w/o pressure app. 20 N | at 6 bar inlet pressure app. - N |

Safety factor: at least 4-times Burst-pressure: at least 40 bar

Fatigue: 5000 cycles connecting/disconnecting tightness and function O.K.

| Revision | Date | Name | | Date | Name | Document-no.: |
|---------------------------------|------|------|--------|----------|--------|---------------|
| | | | Made. | 21.04.04 | schwab | |
| | | | Check | 21.04.04 | schwab | |
| | | | Stand. | | | |
| DB-75KB-SB-THERMOPLASTIC | | | | | | |