



## Data sheet

### Quick connect coupling

## Series 95

Coupling: 95KS

Plug: 95SS

DN: 7,4 = 43 mm<sup>2</sup>

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

#### Materials:

#### Standard

#### Version

Back body	Brass, nickel plated
Valve body	Brass, nickel plated
Sleeve	Brass, nickel plated
Valve	Zinc die casting, nickel plated
Spring	AISI 301
Locking Balls / Pins	AISI 420
Seals	Buna N
Plug	Brass, nickel plated

#### Description:

The series 95KS is a quick connect coupling with safety lock. To disconnect, the plug must first be pushed further into the coupling before it can be unlocked. This prevents unintentional disconnection. The series 95KS is a single hand operation coupling and has a high flow-rate due to the ULTRA-FLO-Valve. The series 95SS plug is not interchangeable with the series 96KS coupling. The multitude of connecting options of the 95KS allows an universal use, for example breathing air, ring circuit system, lifting bas, weld and cut engineering, diving equipment.

#### Interchangeability:

CEJN 344

#### 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:	1700 l/min at 6 bar inlet pressure and 0,5 bar pressure drop		
Flow-rate water:	- l/min at 0,5 bar pressure drop		
Vacuum coupling:	min. 87 % (rough vacuum)	Weight coupling:	app. 100 g
Vacuum plug:	min. - %	Weight plug:	app. 25 g
Vacuum connected:	min. - %	Leakage rate / dead volume:	app. - ml
Connecting force:	w/o pressure app. 30 N	at 6 bar inlet pressure	app. 105 N
Disconnecting force:	w/o pressure app. 30 N	at 6 bar inlet pressure	app. 105 N
Safety factor:	at least 4-times	Burst-pressure:	at least 140 bar
Fatigue:	5000 cycles connecting/disconnecting tightness and function O.K.		

Revision	Date	Name		Date	Name	Document-no.:  <b>DB-95KS-SS-engl</b>
			Made.	26.09.02	Zahn	
			Check	26.09.02	Zahn	
			Stand.			