



Data sheet

Quick connect coupling

Series 96

Coupling: 96KS

Plug: 96SS

DN: 7,4 = 43 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 <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 96KS 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 96KS is a single hand operation coupling and has a high flow-rate due to the ULTRA-FLO-Valve. The series 96KS coupling is not interchangeable with the series 95SS plug. The multitude of connecting options of the 96KS allows an universal use, for example breathing air, ring circuit system, lifting bas, weld and cut engineering, diving equipment.

Interchangeability:

CEJN 342

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. 110 g
Vacuum plug:	min. - %	Weight plug:	app. 30 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.: DB-96KS-SS-engl
			Made.	26.09.02	Zahn	
			Check	26.09.02	Zahn	
			Stand.			