



Data sheet

Quick connect coupling

Series 93

Coupling: 93KL

Plug: 93SL

DN: 8,1 = 52 mm²

Working pressure (static): 0 up to 15 bar

Working temperature: -15°C up to +200°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 type="checkbox"/>	Two hand operation <input type="checkbox"/>	Pipe-valve <input type="checkbox"/>
Straight through <input type="checkbox"/>	Ball locking system <input 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 checked="" type="checkbox"/>	Plug anti-splash <input checked="" type="checkbox"/>	

Materials:

Standard ..SVN

Version

Back body	Brass, nickel plated
Valve body	Steel, hardened, DNC-PTFE-coated
Valve	Brass
Spring	AISI 301
Seals	FKM
Plug	Steel, hardened, DNC-PTFE-coated

Description:

The 93KL/SL series is a modular coupling and plug for installation in multi-coupling systems. The important sliding parts are coated with teflon to reduce frictional resistance as much as possible.

Interchangeability:

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

seal material NBR, EPDM

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

Flow-rate air:	1500 l/min at 6 bar inlet pressure and 0,5 bar pressure drop		
Flow-rate water:	20 l/min at 0,5 bar pressure drop		
Vacuum coupling:	min. 96 %	Weight coupling:	app. 90 g
Vacuum plug:	min. 96 %	Weight plug:	app. 95 g
Vacuum connected:	min. 96 %	Leakage rate / dead volume:	app. 0,04 ml
Connecting force:	w/o pressure app. 70 N	at 6 bar inlet pressure	app. 210 N
Disconnecting force:	w/o pressure app. - N	at 6 bar inlet pressure	app. - 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.: DB-93KL-SL-engl
			Made.	02.09.08	Zahn	
			Check	02.09.08	Zahn	
			Stand.			