



Data sheet

Quick connect coupling

Series 25

Coupling: 25KS

Plug: 25SS

DN: 7,8 = 48 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 type="checkbox"/>	ULTRA-FLO-Valve	<input checked="" type="checkbox"/>
Double shut off	<input 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 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:	Version		
	Standard	Brass	Brass, nickel plated
Back body, Distance Sleeve	Brass	Brass	Brass, nickel plated
Valve body	Steel, nickel plated	Brass	Brass, nickel plated
Sleeve	Steel, hardened, nickel plated	Brass	Brass, nickel plated
Valve, Spring Plate	Brass	Brass	Brass
Spring	AISI 301	AISI 301	AISI 301
Locking Balls / Pins	AISI 420	AISI 420	AISI 420
Seals	Buna N	Buna N	Buna N
Plug	Steel, hardened, nickel plated	Brass	Brass, nickel plated

Description:

The 25KS series is based on the technology used in the 25KA industrial coupling, it also uses an additional safety locking system. To disconnect, the plug must be first pushed into the coupling before it can be unlocked. The safety locking system prevents unintentional disconnection. The 25KS series can be used for many applications for example breathing air, ring circuit system, lifting bas, weld and cut, diving equipment.

Interchangeability:

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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: 1800 l/min at 6 bar inlet pressure and 0,5 bar pressure drop
Flow-rate water: 28 l/min at 0,5 bar pressure drop

Vacuum coupling:	min. 87 %	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. 40 N	at 6 bar inlet pressure	app. 120 N
Disconnecting force:	w/o pressure app. 40 N	at 6 bar inlet pressure	app. 120 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-25KS-SS-engl
			Made.	10.03.04	schwab	
			Check	10.03.04	schwab	
			Stand.			