



## Data sheet

### Quick connect coupling

## Series 93

Coupling: 93KF

Plug: 93SF

DN: 8,1 = 52 mm<sup>2</sup>

Working pressure (static): 0 up to 15 bar

Working temperature: -20°C up to +100°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 checked="" 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 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	Steel, hardened, DNC-PTFE-coated
Valve	Brass
Spring	AISI 301
Seals	Viton
Plug	Steel, hardened, DNC-PTFE-coated

#### Description:

The 93KF series is a modular coupling and plug without an integrated locking system for installation in multi-coupling systems. The important sliding parts are coated with teflon to reduce frictional resistance as much as possible. The 93KF series are the parts of the multi-coupling 08 series.

#### 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: 2600 l/min at 6 bar inlet pressure and 0,5 bar pressure drop  
 Flow-rate water: 46 l/min at 0,5 bar pressure drop

Vacuum coupling:	min. - %	Weight coupling:	app. 82 g
Vacuum plug:	min. - %	Weight plug:	app. 85 g
Vacuum connected:	min. - %	Leakage rate / dead volume:	app. - ml

Connecting force:	w/o pressure app. 30 N	at 6 bar inlet pressure	app. - 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.:  <b>DB-93KF-SF-engl</b>
			Made.	22.07.04	schwab	
			Check	22.07.04	schwab	
			Stand.			