



Data sheet

Quick connect coupling

Series 45

Coupling: 45KF

Plug: 45SF

DN: 8,5 = 60 mm²

Working pressure (static): 0 up to 150 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 checked="" type="checkbox"/>	Pipe-valve	<input type="checkbox"/>
Straight through	<input checked="" 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 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
Sleeve	Brass
Spring, Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	Buna N
Plug	Steel, hardened, nickel plated

Description:

The 45KF series was developed as a water coupling without a shut-off valve and is suitable for pressure up to 35 bar. All individual parts are manufactured from non-rusting materials (e. g. brass), eliminating the risk of corrosion. Single handed operation is not possible and the sleeve must be pulled back when connecting. The 45KF series is used for liquid mediums (preferred water). It is used for machinery plant construction and mechanical engineering.

Interchangeability:

-

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: - l/min at 6 bar inlet pressure and 0,5 bar pressure drop
 Flow-rate water: 48 l/min at 0,5 bar pressure drop

Vacuum coupling:	min. - %	Weight coupling:	app. 100 g
Vacuum plug:	min. - %	Weight plug:	app. 45 g
Vacuum connected:	min. - %	Leakage rate / dead volume:	app. - ml

Connecting force:	w/o pressure app. 10 N	at 6 bar inlet pressure	app. 10 N
Disconnecting force:	w/o pressure app. 10 N	at 6 bar inlet pressure	app. 10 N

Safety factor: at least 4-times Burst-pressure: at least 560 bar

Fatigue: 5000 cycles connecting/disconnecting tightness and function O.K.

Revision	Date	Name		Date	Name	Document-no.: DB-45KF-SF-engl
			Made.	07.04.04	schwab	
			Check	07.04.04	schwab	
			Stand.			