



## Data sheet

### Quick connect coupling

## Series 42

Coupling: 42KF

Plug: 42SF

DN: 11 = 95 mm<sup>2</sup>

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 type="checkbox"/>	Single hand operation	<input checked="" 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 checked="" 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, chrome plated
Sleeve	Brass, chrome plated
Spring, Locking Ring	AISI 301
Locking Pins	AISI 420
Seals	Buna N
Plug	Brass, chrome plated

#### Description:

The 42KF 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 possible due to the locking pin system. The 42KF series is used for liquid mediums (preferred water). It is used for machinery plant construction and mechanical engineering.

#### 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: - l/min at 6 bar inlet pressure and 0,5 bar pressure drop  
 Flow-rate water: 71 l/min at 0,5 bar pressure drop

Vacuum coupling:	min. - %	Weight coupling:	app. 170 g
Vacuum plug:	min. - %	Weight plug:	app. 55 g
Vacuum connected:	min. - %	Leakage rate / dead volume:	app. - ml

Connecting force:	w/o pressure app. 15 N	at 6 bar inlet pressure	app. 15 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 140 bar

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

Revision	Date	Name		Date	Name	Document-no.:  <b>DB-42KF-SF-engl</b>
			Made.	07.04.04	schwab	
			Check	07.04.04	schwab	
			Stand.			