



Data sheet

Quick connect coupling

Series 71

Coupling: 71KB

Plug: 71SB

DN: 4,3 = 15 mm²

Working pressure (static): 0 up to 250 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 checked="" 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 type="checkbox"/>	Coupling anti-splash	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Dry Break	<input type="checkbox"/>	Plug anti-splash	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Materials:	Version		
	Standard	AISI 303	AISI 316 L
Back body	Brass	AISI 303	AISI 316 L
Sleeve	Brass	AISI 303	AISI 316 L
Valve	Brass	AISI 303	AISI 316 L
Spring	AISI 301	AISI 316 L	AISI 316 L
Locking Balls	AISI 420	AISI 316	AISI 316
Seals	Buna N	Viton	Viton
Plug	Brass	AISI 303	AISI 316 L

Description:

The 71KB series is a double shut-off hydraulic coupling made of non-rusting materials used for liquid mediums. It is a two hand operated coupling. The sleeve must first be pulled back before it can be connected. The plug profile is manufactured in accordance with ISO-7241-1 series B. The 71KB series can be used for liquids, paper machines, rail vehicle, refrigerating circuit.

Interchangeability:
ISO-7241-1 series B

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:	445 l/min at 6 bar inlet pressure and 0,5 bar pressure drop		
Flow-rate water:	6 l/min at 0,5 bar pressure drop		
Vacuum coupling:	min. 87 %	Weight coupling:	app. 85 g
Vacuum plug:	min. 87 %	Weight plug:	app. 20 g
Vacuum connected:	min. 87 %	Leakage rate / dead volume:	app. 0,45 ml
Connecting force:	w/o pressure app. 55 N	at 6 bar inlet pressure	app. 140 N
Disconnecting force:	w/o pressure app. 15 N	at 6 bar inlet pressure	app. 25 N
Safety factor:	at least 4-times		Burst-pressure: at least 1000 bar
Fatigue:	5000 cycles connecting/disconnecting tightness and function O.K.		

Revision	Date	Name		Date	Name	Document-no.: DB-71KB-SB-engl
A	13.05.04	schwab	Made.	14.04.04	schwab	
			Check	14.04.04	schwab	
			Stand.			