Data sheet

Quick connect coupling

Series 75

Coupling: 75KB Plug: 75SB DN: 13 = 133 mm²

Working pressure (static): 0 up to 100 bar

Working temperature: -20°C up to +100°C (depending on the seal material and medium)

Single shut off	☐	Single hand operation	☐	ULTRA-FLO-Valve	☐
Double shut off	☒	Two hand operation	☒	Pipe-valve	☐
Straight through	☐	Ball locking system	☒	U-Cup-Seal	☐
Self venting	☐	Pin locking system	☐	O-Ring-Seal	☒
Safety lock	☐	Coupling anti-splash	☒		☐
Dry Break	☐	Plug anti-splash	☒		☐

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 75KB 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 connected. The plug profile is manufactured in accordance with ISO-7241-1 series B. The 75KB 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: - l/min at 6 bar inlet pressure and 0,5 bar pressure drop
Flow-rate water: 79 l/min at 0,5 bar pressure drop

Vacuum coupling:	min. - %	Weight coupling:	app. 710 g
Vacuum plug:	min. - %	Weight plug:	app. 250 g
Vacuum connected:	min. 87 %	Leakage rate / dead volume:	app. 10 ml
Connecting force:	w/o pressure app. 80 N	at 6 bar inlet pressure	app. - N
Disconnecting force:	w/o pressure app. 40 N	at 6 bar inlet pressure	app. - N
Safety factor:	at least 4-times	Burst-pressure:	at least 400 bar
Fatigue:	5000 cycles connecting/disconnecting	tightness and function O.K.	

Revision	Date	Name		Date	Name	Document-no.:
			Made.	14.04.04	schwab	DB-75KB-SB-engl
			Check	14.04.04	schwab	
			Stand.			