



## Data sheet

### Quick connect coupling

## Series 26

Coupling: 26KB

Plug: 26SB

DN: 7,2 = 40 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 checked="" type="checkbox"/>	Two hand operation	<input type="checkbox"/>	Pipe-valve	<input type="checkbox"/>
Straight through	<input 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 checked="" type="checkbox"/>		<input type="checkbox"/>
Dry Break	<input type="checkbox"/>	Plug anti-splash	<input type="checkbox"/>		<input type="checkbox"/>

Materials:	Version	
	Standard	Brass, nickel plated
Back body (KB/SB)	Brass	Brass, nickel plated
Valve body	Brass	Brass, nickel plated
Sleeve	Brass	Brass, nickel plated
Valve (KB/SB)	Brass	Brass
Spring (KB/SB)	AISI 301	AISI 301
Locking Pins	AISI 420 hardened	AISI 420 hardened
Seals (KB/SB)	Buna N	Buna N
Plug Profile	Brass	Brass, nickel plated

**Description:**

The 26KB series is the double shut-off version for liquids of our 26KA compressed air model which has proven to be an effective solution for countless applications around the world. The valves in the coupling as well as the plug are opened when connected. Both valves close virtually simultaneously when disconnected, ensuring minimum leakage loss. The 26KB series can be used for air conditioning technology or sanitary installations.

**Interchangeability:**

RECTUS 25KB series

**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:	650 l/min at 6 bar inlet pressure and 0,5 bar pressure drop		
Flow-rate water:	8,8 l/min at 0,5 bar pressure drop		
Vacuum coupling:	min. 87 %	Weight coupling:	app. 135 g
Vacuum plug:	min. 87 %	Weight plug:	app. 75 g
Vacuum connected:	min. 87 %	Leakage rate / dead volume:	app. 0,8 ml
Connecting force:	w/o pressure app. 35 N	at 6 bar inlet pressure	app. 80 N
Disconnecting force:	w/o pressure app. 35 N	at 6 bar inlet pressure	app. 65 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-26KB-SB</b>
A	13.05.04	schwab	Made.	11.03.04	schwab	
			Check	11.03.04	schwab	
			Stand.			