



Data sheet

Quick connect coupling

Series 39

Coupling: 39KB

Plug: 39SB

DN: 19 = 300 mm²

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 checked="" 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 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 type="checkbox"/>		<input type="checkbox"/>

Materials:

	Version	
	Standard	Brass, nickel plated
Back body	Brass	Brass, nickel plated
Valve body	Brass	Brass, nickel plated
Sleeve	Brass	Brass, nickel plated
Valve	Brass	Brass
Spring	AISI 301	AISI 301
Locking Balls / Pins	AISI 420	AISI 420
Seals	Buna N	Buna N
Plug	Brass	Brass, nickel plated

Description:

This single handed quick connect coupling made of brass can be connected with both shut-off plugs or straight through plugs. Due to the RECTUS ULTRA-FLOW valve there is a very high flow rate with low pressure drop. The 39KB series can be used for many applications for example refrigerating circuit, compressed air, 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:	2600 l/min at 6 bar inlet pressure and 0,5 bar pressure drop		
Flow-rate water:	33 l/min at 0,5 bar pressure drop		
Vacuum coupling:	min. 87 %	Weight coupling:	app. 740 g
Vacuum plug:	min. 87 %	Weight plug:	app. 420 g
Vacuum connected:	min. 87 %	Leakage rate / dead volume:	app. 14,5 ml
Connecting force:	w/o pressure app. 100 N	at 6 bar inlet pressure	app. 450 N
Disconnecting force:	w/o pressure app. 30 N	at 6 bar inlet pressure	app. 100 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.: DB-39KB-SB-engl
A	13.05.04	schwab	Made.	08.04.04	schwab	
			Check	08.04.04	schwab	
			Stand.			