



Data sheet

Quick connect coupling

Series 38

Coupling: 38KB

Plug: 38SF

DN: 15 = 175 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 checked="" type="checkbox"/>	Single hand operation <input checked="" type="checkbox"/>	ULTRA-FLO-Valve <input checked="" type="checkbox"/>
Double shut off <input 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, Inner Sleeve	Brass	Brass
Spring Plate	Brass	Brass
Spring, Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	Buna N	Buna N
Plug	Brass	Brass

Description:

The 38KB series is a robust single hand operated coupling made of brass. The advantages are the compact construction, extremely high flow performance due to the RECTUS ULTRA-FLOW valve. It can be connected with a shut of valved plug (SB) as well as straight through (SF) plugs. The 38KB series can be used for many applications for example mechanical engineering, construction, liquid and gas sampling.

Interchangeability:

HANSEN 6000-3/4"

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:	4300 l/min at 6 bar inlet pressure and 0,5 bar pressure drop		
Flow-rate water:	77 l/min at 0,5 bar pressure drop		
Vacuum coupling:	min. 87 %	Weight coupling:	app. 460 g
Vacuum plug:	min. - %	Weight plug:	app. 180 g
Vacuum connected:	min. 87 %	Leakage rate / dead volume:	app. - ml
Connecting force:	w/o pressure app. 80 N	at 6 bar inlet pressure	app. 340 N
Disconnecting force:	w/o pressure app. 25 N	at 6 bar inlet pressure	app. 75 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-38KB-SF-engl
			Made.	01.04.04	schwab	
			Check	01.04.04	schwab	
			Stand.			