

Data sheet

Quick connect coupling								Series 20	
Coupling:	20KB	KB Plug:					DN: 2,7 = 6 mm ²		
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 of Double shut Straight throu Self venting Safety lock Dry Break	off		T B P	Single hand op wo hand op Ball locking so Pin locking so Coupling anti-spl	peration system system ti-splash		Pipe-\ U-Cup	A-FLO-Valve valve o-Seal g-Seal	
Materials:			Standard			Version AISI 303		AISI 3	
Back body (Note of the North Park Back body Sleeve Valve (KB/SI Spring, Lock Locking Balls Seals Plug Profile	3) ing Ring		Brass Brass Brass Brass AISI 301 AISI 420 NBR Brass			AISI 303 AISI 303 AISI 303 AISI 303 AISI 316 FKM AISI 303		AISI 316 L AISI 316 L AISI 316 L AISI 316 L AISI 316 Ti AISI 316 FKM AISI 316 L	
Description: The 20KB series is the smallest double shut-off coupling in the world market place. The advantages are the very small dimensions, single hand operation, high flow rate with very low pressure loss and a multitude of connecting possibilities. The 20KB series can be used for many applications for example mechanical engineering, medical engineering, laboratory installations, chemistry, measuring and control equipment, analysis engineering, mini pneumatic, dental equipment.									
Interchangeability:									
Versions / special equipment (in part not for all versions, others upon request): seal material NBR, FKM, EPDM, FFKM surface nickel plated, chrome plated, durnicoat; oil and grease free, silicon free;									
Test values at 20°C (depending on the version):									
Flow-rate air: 100 l/min at 6 bar inlet pressure and 0,5 bar pressure drop Flow-rate water: 1,4 l/min at 0,5 bar pressure drop									
Vacuum coupling: Vacuum plug: Vacuum connected:		min. 87 % min. 87 % min. 87 %			Weigl	ht coupling: ht plug: age rate / dead v	olume:	app. 11 g app. 5 g app. 0,06 ml	
						t 6 bar inlet pressure t 6 bar inlet pressure		app. 35 N app. 7 N	
Safety factor:		at least 4-tim	es		Burst	urst-pressure: at least 140 bar			
Fatigue: 5000 cycles connecting/disconnecting tightness and function O.K.									
Revision	Date	Name		Date	Name	Document-no.:			
А	13.05.04	schwab	Made.	26.02.04	schwab				
В	07.07.06	Zahn	Check	26.02.04	schwab		DB-20KB-SB-engl		

Stand.