			Data sheet Quick connect coupling					Series 02
Coupling: 02KA			Plug: 02SF					DN: 1,5 = 1,8 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 Double shut off Straight through Self venting Safety lock Dry Break			<ul> <li>Single hand operation</li> <li>Two hand operation</li> <li>Ball locking system</li> <li>Pin locking system</li> <li>Coupling anti-splas</li> <li>Plug anti-splash</li> </ul>				ULTRA-FLO-ValvePipe-valveU-Cup-SealO-Ring-SealI	
Materials:			Standard			Version Nickel plated		
Back body Valve body Sleeve Valve Spring Locking Balls / Pins Seals Plug			Brass Brass Brass Brass AISI 301 AISI 420 Buna N Brass			Brass, nickel plated Brass, nickel plated Brass, nickel plated Brass, nickel plated AISI 301 AISI 420 Buna N Brass, nickel plated		
Description: The 02 series is the smallest quick connect coupling made anywhere in the world today. The single hand operation makes it user friendly and suitable for a variety of applications. The advantages are the very small dimensions, single handed operation and the high flow with low pressure loss. The series 02 can be used in many applications for example medical engineering, dental equipment, laboratory installations, chemistry, measuring and control equipment, analysis engineering, micro pneumatic, mechanical engineering. There is a conditional employment with liquids, cause of construction size. Interchangeability: -								
Versions / special equipment (in part not for all versions, others upon request): seal material 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:40 l/min at 6 bar inlet pressure and 0,5 bar pressure dropFlow-rate water:0,6 l/min at 0,5 bar pressure drop								
Vacuum plug:		min %				ght coupling: ght plug: ‹age rate / dead volume:		app. 3 g app. 1 g app ml
		w/o pressu w/o pressu				bar inlet pressure bar inlet pressure		app. 19 N app. 12 N
Safety factor: at least 4		at least 4-ti	4-times Burst-pressure: at leas					: 140 bar
Fatigue:       5000 cycles connecting/disconnecting tightness and function O.K.								
Revision	Date	Name		Date	Name	Document-no.:		
Α	15.11.04	schwab	Made		schwab	4	DB-02KA-SF-engl	
			Check Stand		schwab	-		