



## Data sheet

### Quick connect coupling

## Series 22

Coupling: 22KA

Plug: 22SF

DN: 5,5 = 25 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 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:

	Standard	Version
Back body	Brass, nickel plated	
Valve body	Brass, nickelplated	
Sleeve	Steel, hardened, nickel plated	
Valve	Zinc die-casting, nickel plated	
Inner Sleeve, Spring Plate	Brass	
Spring, Locking Ring	AISI 301	
Locking Balls	AISI 420	
Seals	Buna N	
Plug	Steel, hardened, nickel plated	

#### Description:

The 22 series is fitted with the ULTRA-FLO valve, giving it superior flow characteristics to the 14 series. As a brass/steel combination it is highly suitable for industrial use. There is a special brass valve for the use with liquids. The advantages are the high flow performance with very low pressure drop and the multitude of connecting options. The 22 series can be used for many applications for example air tools, compressed air, mechanical engineering, compressors, pneumatic, automation.

#### Interchangeability:

ARO 210, PARKER 50, CEJN 300, ORION 44510, RECTUS 14

#### 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:	1000 l/min at 6 bar inlet pressure and 0,5 bar pressure drop		
Flow-rate water:	15 l/min at 0,5 bar pressure drop		
Vacuum coupling:	min. 87 %	Weight coupling:	app. 97 g
Vacuum plug:	min. - %	Weight plug:	app. 32 g
Vacuum connected:	min. 87 %	Leakage rate / dead volume:	app. - ml
Connecting force:	w/o pressure app. 40 N	at 6 bar inlet pressure	app. 120 N
Disconnecting force:	w/o pressure app. 20 N	at 6 bar inlet pressure	app. 40 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-22KA-SF-engl</b>
			Made.	17.12.03	schwab	
			Check	17.12.03	schwab	
			Stand.			