



## Data sheet

### Quick connect coupling

## Series 24

Coupling: 24KA

Plug: 23SF

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 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 type="checkbox"/>	U-Cup-Seal	<input type="checkbox"/>
Self venting	<input type="checkbox"/>	Pin locking system	<input checked="" 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	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 Pins	AISI 420	AISI 420
Seals	Buna N	Buna N
Plug	Steel, hardened, nickel plated or brass	Steel, hardened, nickel plated or brass

#### Description:

The sealed sleeve prevents dirt from reaching the internal parts. The 24 series is a single hand quick connect coupling made of brass based on the 26 series which has proven its worth many times over and can be used for a multitude of applications for example air tools, compressed air, mechanical engineering, compressors.

#### Interchangeability:

ARO INDUSTRIAL INTERCHANGE, PARKER 50, CEJN 310, FORSTER, div. schweizer Fabr., US-MIL-SPEC-C-4109, HANSEN 3000, GROMELLE, RECTUS 23, ISO 6150 B

#### 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:	510 l/min at 6 bar inlet pressure and 0,5 bar pressure drop		
Flow-rate water:	7,4 l/min at 0,5 bar pressure drop		
Vacuum coupling:	min. 87 %	Weight coupling:	app. 90 g
Vacuum plug:	min. - %	Weight plug:	app. 35 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. 80 N
Disconnecting force:	w/o pressure app. 30 N	at 6 bar inlet pressure	app. 50 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-24KA-SF-engl</b>
			Made.	08.03.04	schwab	
			Check	08.03.04	schwab	
			Stand.			