



Data sheet

Quick connect coupling

Series 25

Coupling: 25KA

Plug: 25SF

DN: 7,8 = 48 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 checked="" type="checkbox"/>
Self venting <input type="checkbox"/>	Pin locking system <input type="checkbox"/>	O-Ring-Seal <input 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 AISI 303	AISI 316 L
Back body	Brass, nickel plated	AISI 303	AISI 316 L
Valve body	Brass, nickel plated	AISI 303	AISI 316 L
Sleeve	Steel, hardened, nickel plated	AISI 303	AISI 316 L
Valve	Zinc die-casting, nickel plated	AISI 303	AISI 316 L
Spring	AISI 301	AISI 301	AISI 316 Ti
Locking Balls / Pins	AISI 420	AISI 316	AISI 316
Seals	Buna N	Viton	Viton
Plug	Steel hardened, zinc plated, colorless chrom., sealed up	AISI 303	AISI 316 L

Description:

The series 25KA is robust quick-connect coupling which enable a single-handed operation. The coupling has a low pressure drop due to the optimum ULTRA-FLO valve. The series 25KA can be used in many applications for example air tools, laboratory installations, chemistry, measuring and control equipment, breathing air, diving equipment, safety engineering, mechanical engineering, construction.

Interchangeability:

RECTUS series 26, CEJN 320 / 321, JWL 520 / 530, EWO, FESTO, Kani, Oetiker DN7 series C, Parker PE 7.2, various german products

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:	1800 l/min at 6 bar inlet pressure and 0,5 bar pressure drop		
Flow-rate water:	28 l/min at 0,5 bar pressure drop		
Vacuum coupling:	min. 87 %	Weight coupling:	app. 100 g
Vacuum plug:	min. - %	Weight plug:	app. 25 g
Vacuum connected:	min. - %	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. 30 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.:
			Made.	09.08.06	Witt	DB-25KA-SF-engl
			Check			
			Stand.			