



## Data sheet

### Quick connect coupling

## Series 86

Coupling: 86KB

Plug: 86SB

DN: 6 = 30 mm<sup>2</sup>

Working pressure (static): 0 up to 15 bar

Working temperature: -15°C up to +200°C (depending on the seal material and medium)

Single shut off <input type="checkbox"/>	Single hand operation <input type="checkbox"/>	ULTRA-FLO-Valve <input type="checkbox"/>
Double shut off <input checked="" type="checkbox"/>	Two hand operation <input checked="" 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 type="checkbox"/>	
Dry Break <input type="checkbox"/>	Plug anti-splash <input type="checkbox"/>	

#### Materials:

#### Standard

#### Version

Back body	Brass	
Valve body	Brass	
Sleeve	Brass, nickel plated	
Valve	Brass	
Spring	AISI 301	
Locking Balls / Pins	AISI 420	
Seals	Viton	
Plug	Brass	

#### Description:

The 86 RECTUS-Moldtite coupling were developed for connecting coolant lines and injection models. Countersunk plugs can easily be connected and disconnected because of the extended sleeve. The angular connections prevent kinks from forming the hose.

#### Interchangeability:

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#### 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: - l/min at 6 bar inlet pressure and 0,5 bar pressure drop  
 Flow-rate water: 6,8 l/min at 0,5 bar pressure drop

Vacuum coupling: min. - %	Weight coupling: app. 50 g
Vacuum plug: min. - %	Weight plug: app. 20 g
Vacuum connected: min. - %	Leakage rate / dead volume: app. - ml

Connecting force: w/o pressure app. 60 N	at 6 bar inlet pressure app. 120 N
Disconnecting force: w/o pressure app. 40 N	at 6 bar inlet pressure app. 80 N

Safety factor: at least 4-times      Burst-pressure: at least 60 bar

Fatigue: 5000 cycles connecting/disconnecting tightness and function O.K.

Revision	Date	Name		Date	Name	Document-no.:
			Made.	26.04.04	schwab	DB-86KB-SB-engl
			Check	26.04.04	schwab	
			Stand.			