



Data sheet

Quick connect coupling

Series 209

Coupling: 209KL

Plug: 209SL

DN: 9 = 63,5 mm²

Working pressure (static): 0 up to 15 bar

Working temperature: -20°C up to +100°C (depending on the seal material and medium)

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

Materials:	Version	
	Standard	AISI 316 L
Back body	Brass, nickel plated	AISI 316 L
Valve body	Brass, nickel plated	AISI 316 L
Sleeve	Brass, nickel plated	AISI 316 L
Valve	Brass, nickel plated	AISI 316 L
Spring	AISI 303	AISI 316 Ti
Locking Balls / Pins	AISI 420	AISI 316
Seals	NBR	FKM
Plug	Brass, nickel plated	AISI 316 L

Description:

Dry-break coupling systems, which stand out for their extremely low leakage rates and a minimum volume of dead space. No air locks whatsoever during connecting and negligible film of channelled medium on the valve bodies when disconnecting.

Coupling systems for applications in sensitive environments, such as in analysis technology, cooling circuits, transport systems and many applications with aggressive medium.

Interchangeability:

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:	1887 l/min at 6 bar inlet pressure and 0,5 bar pressure drop		
Flow-rate water:	27 l/min at 0,5 bar pressure drop		
Vacuum coupling:	min. 95 %	Weight coupling:	app. 319 g
Vacuum plug:	min. 95 %	Weight plug:	app. 168 g
Vacuum connected:	min. 95 %	Leakage rate / dead volume:	app. 0,072 ml
Connecting force:	w/o pressure app. 130 N	at 6 bar inlet pressure	app. 270 N
Disconnecting force:	w/o pressure app. 35 N	at 6 bar inlet pressure	app. 65 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.	28.02.11	Tricarico	
		Check			
		Stand.			

209KL-engl.