

# Rectus Series 200

Dry-break coupling system for applications in sensitive environments, for example in analysis technology, in cooling systems, in transport systems and many applications with aggressive media.

Coupling system with single-hand operation, extremely low leakage rates and minimal dead space volume. Absolutely no air pockets when coupling and only a barely noticeable film of the medium being channelled on the valve bodies when uncoupling.

Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design.

**Working Temperature\*:**

-20°C up to +100°C (NBR)

-15°C bis +200°C (FKM)

depending on the medium.

\* For temperatures below -20°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.



**Working Pressure\*\***

15 bar

\*\* maximum static working pressure with design factor 4 to 1.

**Material**

**Coupling:** Brass nickel plated or Stainless Steel

**Plug:** Brass nickel plated or Stainless Steel

**Seals:** NBR or FKM

**Technical Description**

**Series 204KL**

**Dead space volume:** 0,015 ml

**Connecting Force 0 bar:** 70 N  
**Connecting Force 6 bar:** 100 N

**Vacuum Coupling:** 95%

**Vacuum Plug:** 95%

**Vacuum connected:** 95%

**Series 206KL**

**Dead space volume:** 0,035 ml

**Connecting Force 0 bar:** 80 N  
**Connecting Force 6 bar:** 150 N

**Vacuum Coupling:** 95%

**Vacuum Plug:** 95%

**Vacuum connected:** 95%

**Series 209KL**

**Dead space volume:** 0,072 ml

**Connecting Force 0 bar:** 130 N  
**Connecting Force 6 bar:** 270 N

**Vacuum Coupling:** 95%

**Vacuum Plug:** 95%

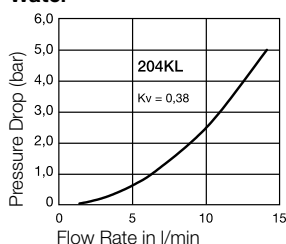
**Vacuum connected:** 95%

**Interchangeability**

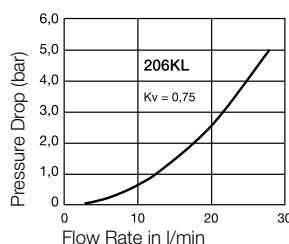
- Rectus Design

**Flow diagrams**

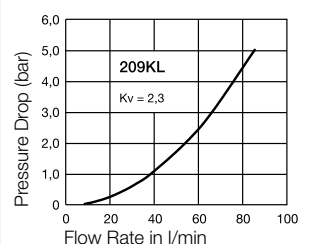
**Water**



**Water**

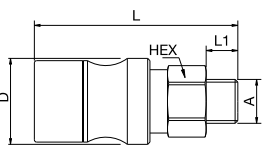
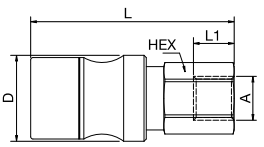


**Water**



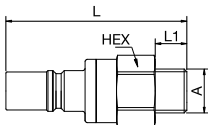
**Couplings – flat sealing**

**Series 200KL**

	NW	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Male Thread</p>	4	G 1/8	14	45	7	19	Brass	204KLAW10MPN
	4	G 1/8	14	45	7	19	AISI 316 L	204KLAW10EVX
	4	G 1/4	17	47	9	19	Brass	204KLAW13MPN
	4	G 1/4	17	47	9	19	AISI 316 L	204KLAW13EVX
	6	G 3/8	22	68,5	9	25,5	Brass	206KLAW17MPN
	6	G 3/8	22	68,5	9	25,5	AISI 316 L	206KLAW17EVX
	6	G 1/2	22	71,5	12	25,5	Brass	206KLAW21MPN
	6	G 1/2	24	71,5	12	25,5	AISI 316 L	206KLAW21EVX
 <p>Female Thread</p>	4	G 1/8	14	45	9	19	Brass	204KLIW10MPN
	4	G 1/8	14	45	9	19	AISI 316 L	204KLIW10EVX
	4	G 1/4	17	47	9	19	Brass	204KLIW13MPN
	4	G 1/4	17	47	9	19	AISI 316 L	204KLIW13EVX
	6	G 3/8	22	68,5	7	25,5	Brass	206KLIW17MPN
	6	G 3/8	22	68,5	9	25,5	AISI 316 L	206KLIW17EVX
	6	G 1/2	24	71,5	10	25,5	Brass	206KLIW21MPN
	6	G 1/2	24	71,5	12	25,5	AISI 316 L	206KLIW21EVX
	9	G 1/2	27	92	14	33	Brass	209KLIW21MPN
	9	G 1/2	27	92	16	33	AISI 316 L	209KLIW21EVX
	9	G 3/4	32	94	14	33	Brass	209KLIW26MPN
9	G 3/4	32	94	16	33	AISI 316 L	209KLIW26EVX	

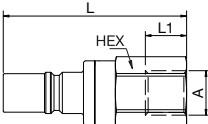
**Plugs – flat sealing**

**Series 200KL**

	NW	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Male Thread</p>	4	G 1/8	14	40	7		Brass	204SLAW10MPN
	4	G 1/8	14	40	7		AISI 316 L	204SLAW10EVX
	4	G 1/4	17	42	9		Brass	204SLAW13MPN
	4	G 1/4	17	42	9		AISI 316 L	204SLAW13EVX
	6	G 3/8	22	51	9		Brass	206SLAW17MPN
	6	G 3/8	22	55	9		AISI 316 L	206SLAW17EVX
	6	G 1/2	22	54	12		Brass	206SLAW21MPN
	6	G 1/2	24	54	12		AISI 316 L	206SLAW21EVX

**Plugs – flat sealing**

**Series 200KL**

	NW	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Female Thread</p>	4	G 1/8	14	40	9		Brass	204SLIW10MPN
	4	G 1/8	14	40	9		AISI 316 L	204SLIW10EVX
	4	G 1/4	17	42	7		Brass	204SLIW13MPN
	4	G 1/4	17	42	9		AISI 316 L	204SLIW13EVX
	6	G 3/8	22	51	7		Brass	206SLIW17MPN
	6	G 3/8	22	51	9		AISI 316 L	206SLIW17EVX
	6	G 1/2	24	54	10		Brass	206SLIW21MPN
	6	G 1/2	24	54	12		AISI 316 L	206SLIW21EVX
	9	G 1/2	27	79,5	14		Brass	209SLIW21MPN
	9	G 1/2	27	79,5	16		AISI 316 L	209SLIW21EVX
	9	G 3/4	32	81,5	14		Brass	209SLIW26MPN
	9	G 3/4	32	81,5	16		AISI 316 L	209SLIW26EVX