

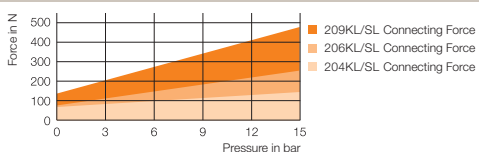


Rectus Series 204/206/209

Dry-break coupling systems

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding





Connecting Force

The optimised valve design has enabled reduction of required connecting force to a minimum. This makes handling for daily use easier and means that the system can also be used in less accessible places, where only single-handed operation is possible because of lack of space.



Nominal Diameter

The new series are available in the most common nominal diameters on the market, 4, 6 and 9, and can therefore be used both in the widest variety of industrial areas and in analysis and process technology. Here, particular emphasis was also placed on optimising the dimensions during the design stage.



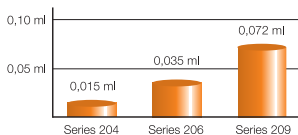
Stainless Steel



Brass Nickel-Plated

Materials

In addition to a standard design in nickel-plated brass the 204, 206 and 209 series are also available in AISI 316 L stainless steel for technically demanding applications, e.g. for aggressive medium. Also, depending on use, you can choose from various seal materials (NBR, FKM, EPDM, FFKM).



Volume of Dead Space

With the extremely low volume of dead space of the 0.015ml (204 series) / 0.035ml and 0.072ml (206 and 209 series) these couplings achieve „leakage rates“ which allow only a thin liquid film of the channelled medium on the valve heads and therefore reliably prevent dripping.

CONNECTING HAS NEVER BEEN AS EASY AND AS SAFE.



The newly developed series 204, 206 and 209 low pressure systems stand out for requiring the lowest connecting force by comparison with all other models currently on the market. Due to an optimised valve design with a minimum volume of dead space, the dry-break coupling systems also provide reliable prevention of leaks and dripping and – as an international innovation – all this from a nominal diameter of 4.

With their ergonomically designed sleeves, the couplings – designed for consistent single-handed operation – allow tireless handling and their smooth surface finish means that they also provide ultimate protection against clogging. As an additional safety device, a complex valve design seals the system off before the actual valve is opened, making the 204, 206 and 209 series the first choice wherever the smallest of leaks could cause big problems.

Ergonomic Sleeve Design

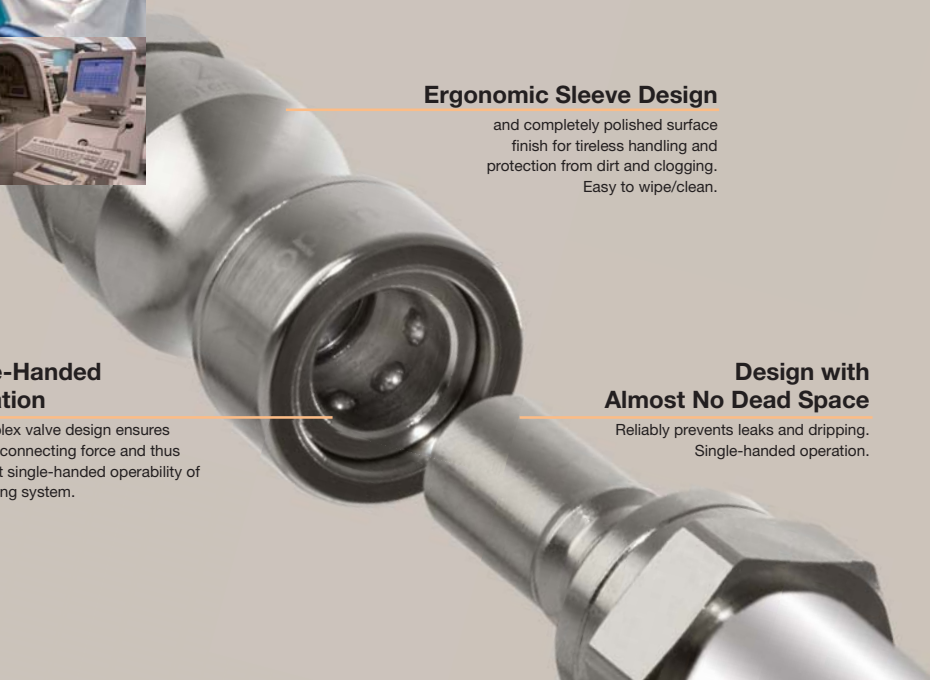
and completely polished surface finish for tireless handling and protection from dirt and clogging.
Easy to wipe/clean.

Single-Handed Operation

The complex valve design ensures minimum connecting force and thus consistent single-handed operability of the coupling system.

Design with Almost No Dead Space

Reliably prevents leaks and dripping.
Single-handed operation.





Nominal Diameter

4/6/9



RECTUS Series

204KL/206KL/209KL



Technology

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 systems, transport circuits and many applications with aggressive medium.

Advantages

Single-handed operation. Easy handling. Ergonomic sleeve shape. Optimised size (DN 4). Low connecting forces. Valve body protected by collar design.

Extremely low dead volume remainings.

Compatibility

RECTUS Design

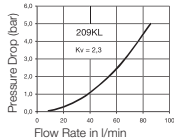
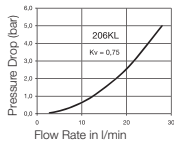
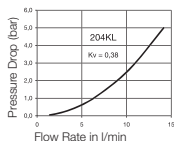
Working Pressure

PB = 15 bar, maximum static working pressure with safety factor 4 to 1.

Working Temperature

-20°C to +100°C (NBR)
Other sealing materials available on request.

Chart Water



Material

Coupling

- Back Body
- Valve Body
- Sleeve
- Valve
- Spring and Locking Ring
- Locking Balls
- Seals

Plug

- Plug Profile
- Back Body
- Valve
- Spring
- Seal

Standard Version

- Brass, Nickel Plated
- Brass, Nickel Plated
- Brass, Nickel Plated
- Brass, Nickel Plated
- AISI 303
- AISI 420
- NBR

AISI 316 L

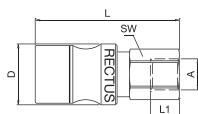
- AISI 316 L
- AISI 316 L
- AISI 316 L
- AISI 316 L
- AISI 316 Ti
- AISI 316
- FKM

- Brass, Nickel Plated
- Brass, Nickel Plated
- Brass, Nickel Plated
- AISI 303
- NBR

- AISI 316 L
- AISI 316 L
- AISI 316 L
- AISI 316 Ti
- FKM

Couplings

RECTUS Series 204KL/206KL/209KL



Female Thread

Series	Connection A	Hex SW	L mm	D mm	L1 mm	Version	Part Number	DS
Series 204	G 1/8	14	45	19	9	Standard	204KLIW10MPN	■
Series 204	G 1/8	14	45	19	9	AISI 316 L	204KLIW10EVX	■
Series 204	G 1/4	17	47	19	7	Standard	204KLIW13MPN	■
Series 204	G 1/4	17	47	19	9	AISI 316 L	204KLIW13EVX	■

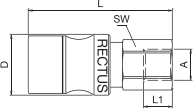
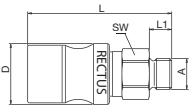
DS = Delivery Status: ■ in stock

■ on short call

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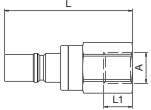
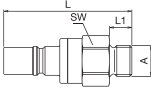
Couplings

RECTUS Series 204KL/206KL/209KL

	Series	Connection A	Hex SW	L mm	D mm	L1 mm	Version	Part Number	DS
 <p>Female Thread</p>	Series 206	G 3/8	22	68.5	25.5	7	Standard	206KLW17MPN	■
	Series 206	G 3/8	22	68.5	25.5	9	AISI 316 L	206KLW17EVX	■
	Series 206	G 1/2	24	71.5	25.5	10	Standard	206KLW21MPN	■
	Series 206	G 1/2	24	71.5	25.5	12	AISI 316 L	206KLW21EVX	■
	Series 209	G 1/2	27	92	33	14	Standard	209KLW21MPN	■
	Series 209	G 1/2	27	97	33	16	AISI 316 L	209KLW21EVX	■
	Series 209	G 3/4	32	94	33	14	Standard	209KLW26MPN	■
	Series 209	G 3/4	32	94	33	16	AISI 316 L	209KLW26EVX	■
	 <p>Male Thread</p>	Series 204	G 1/8	14	45	19	7	Standard	204KLAW10MPN
Series 204		G 1/8	14	45	19	7	AISI 316 L	204KLAW10EVX	■
Series 204		G 1/4	17	47	19	9	Standard	204KLAW13MPN	■
Series 204		G 1/4	17	47	19	9	AISI 316 L	204KLAW13EVX	■
Series 206		G 3/8	22	68.5	25.5	9	Standard	206KLAW17MPN	■
Series 206		G 3/8	22	68.5	25.5	9	AISI 316 L	206KLAW17EVX	■
Series 206		G 1/2	24	71.5	25.5	12	Standard	206KLAW21MPN	■
Series 206		G 1/2	24	71.5	25.5	12	AISI 316 L	206KLAW21EVX	■

Valved Plugs

RECTUS Series 204KL/206KL/209KL

	Series	Connection A	Hex SW	L mm	D mm	L1 mm	Version	Part Number	DS
 <p>Female Thread</p>	Series 204	G 1/8	14	40		9	Standard	204SLW10MPN	■
	Series 204	G 1/8	14	40		9	AISI 316 L	204SLW10EVX	■
	Series 204	G 1/4	17	42		7	Standard	204SLW13MPN	■
	Series 204	G 1/4	17	42		9	AISI 316 L	204SLW13EVX	■
	Series 206	G 3/8	22	51		7	Standard	206SLW17MPN	■
	Series 206	G 3/8	22	51		9	AISI 316 L	206SLW17EVX	■
	Series 206	G 1/2	24	54		10	Standard	206SLW21MPN	■
	Series 206	G 1/2	24	54		12	AISI 316 L	206SLW21EVX	■
	Series 209	G 1/2	27	79.5		14	Standard	209SLW21MPN	■
	Series 209	G 1/2	27	79.5		16	AISI 316 L	209SLW21EVX	■
 <p>Male Thread</p>	Series 204	G 1/8	14	40		7	Standard	204SLAW10MPN	■
	Series 204	G 1/8	14	40		7	AISI 316 L	204SLAW10EVX	■
	Series 204	G 1/4	17	42		9	Standard	204SLAW13MPN	■
	Series 204	G 1/4	17	42		9	AISI 316 L	204SLAW13EVX	■
	Series 206	G 3/8	22	51		9	Standard	206SLAW17MPN	■
	Series 206	G 3/8	22	51		9	AISI 316 L	206SLAW17EVX	■
	Series 206	G 1/2	22	54		12	Standard	206SLAW21MPN	■
	Series 206	G 1/2	24	54		12	AISI 316 L	206SLAW21EVX	■

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