



# The New Dry-Break Products from RECTUS - Where Every Drop Counts.

The new RECTUS 204/206 and 209 series offer unprecedented safety and ergonomics from as low as nominal diameter 4.



RECTUS is a RECTUS Group brand

**RECTUS** 

# Coupling 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 coupling force by comparison with all other models currently on the market. Due to an optimised valve structure 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 up to a nominal diameter of 4.

With their ergonomically shaped sleeves, the couplings – designed for consistent single-handed operation – allow tireless handling and their smooth surface finish means that they also provide optimum 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

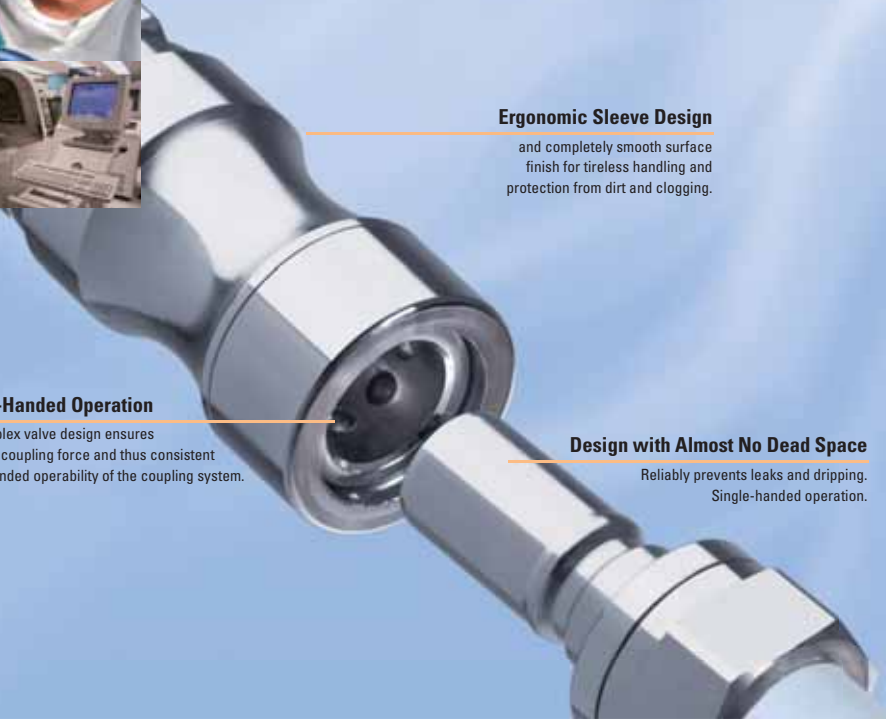
and completely smooth surface finish for tireless handling and protection from dirt and clogging.

## Single-Handed Operation

The complex valve design ensures minimum coupling 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

RECTUS Series

4/6/9



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 coupling and negligible film of channelled medium on the valve bodies when uncoupling. Coupling systems for applications in sensitive environments, such as in safety technology, cooling systems, transport systems and many applications with aggressive media.

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

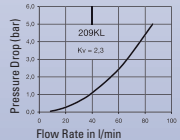
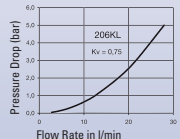
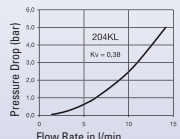
**Working Pressure**  
PB = 15 bar, maximum static working pressure with safety factor 4 to 1.

Extremely low leakage.

**Compatibility**  
RECTUS Design

**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

**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

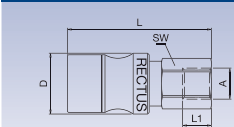
**Plug**  
Plug Profile  
Back Body  
Valve  
Spring  
Seal

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**



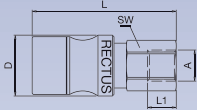
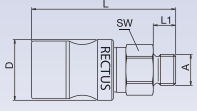
Female Thread

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	7	AISI 316 L	204KLIW13EVX	■

DS = Delivery Status: ■ in stock ■ on short call ■ medium term delivery

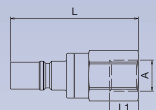
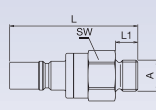
# Couplings

# RECTUS Series 204KL/206KL/209KL

	Series	Connection A	Hex SW	L mm	D mm	L1 mm	Version	Part Number	DS
 <p><b>Female Thread</b></p>	Series 206	G 3/8	22	68,5	25,5	7	Standard	206KLIW17MPN	■
	Series 206	G 3/8	22	68,5	25,5	7	AISI 316 L	206KLIW17EVX	■
	Series 206	G 1/2	24	71,5	25,5	10	Standard	206KLIW21MPN	■
	Series 206	G 1/2	24	71,5	25,5	10	AISI 316 L	206KLIW21EVX	■
	Series 209	G 1/2	27	92	33	14	Standard	209KLIW21MPN	■
	Series 209	G 1/2	27	89	33	10	AISI 316 L	209KLIW21EVX	■
	Series 209	G 3/4	32	94	33	14	Standard	209KLIW26MPN	■
	Series 209	G 3/4	32	94	33	14	AISI 316 L	209KLIW26EVX	■
 <p><b>Male Thread</b></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	22	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

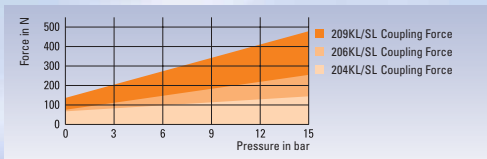
	Series	Connection A	Hex SW	L mm	D mm	L1 mm	Version	Part Number	DS
 <p><b>Female Thread</b></p>	Series 204	G 1/8	14	40		9	Standard	204SLIW10MPN	■
	Series 204	G 1/8	14	40		9	AISI 316 L	204SLIW10EVX	■
	Series 204	G 1/4	17	42		7	Standard	204SLIW13MPN	■
	Series 204	G 1/4	17	42		7	AISI 316 L	204SLIW13EVX	■
	Series 206	G 3/8	22	51		7	Standard	206SLIW17MPN	■
	Series 206	G 3/8	22	51		7	AISI 316 L	206SLIW17EVX	■
	Series 206	G 1/2	24	54		10	Standard	206SLIW21MPN	■
	Series 206	G 1/2	24	54		10	AISI 316 L	206SLIW21EVX	■
	Series 209	G 1/2	27	79,5		14	Standard	209SLIW21MPN	■
	Series 209	G 1/2	27	79,5		14	AISI 316 L	209SLIW21EVX	■
 <p><b>Male Thread</b></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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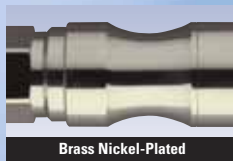
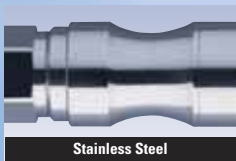
### Coupling Force

The optimised valve design has enabled reduction of required coupling 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.



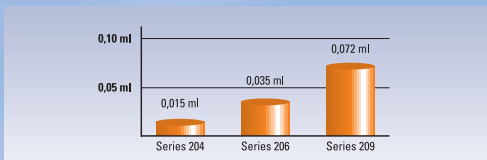
### Nominal Diameter

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.



### 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 media. 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 0.015ml (204 series) / 0.035ml and 0.072ml (206 and 209 series) these couplings achieve leakage rates which allow only a thin lubricant film of the channelled medium on the valve heads and therefore reliably prevent dripping.

The RECTUS Complete Catalogue - Compulsory Reading in Design and Production!



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