



Rectus 1700KE Series

New generation of safety
self-venting couplings

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



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PACKED FULL OF THE BEST WE HAVE TO OFFER.

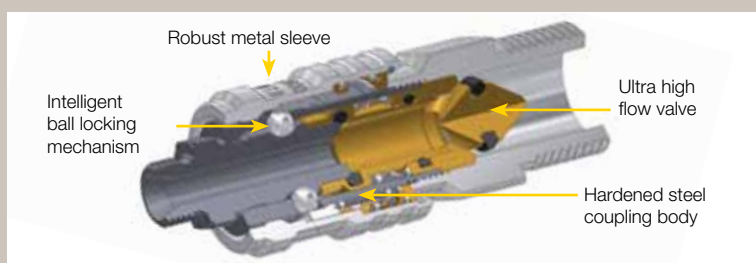


The new 1700KE series, which is pending patent, is a combination of tried and tested Rectus safety self-venting technology and the high performance valve of the 1700 series. The ultra high flow valve allows flow rates that were previously impossible in this class.

The optimised self-venting function with markedly lower noise production rounds off the profile of this premium product.

All this plus the robust, all-metal structure and the high-flow-valve make the 1700KE series the highlight of our range in the area of pneumatics and the ideal replacement for many industrial applications.





All-rounder

For the first time, a coupling has been developed, which offers both the safety advantages of a self-venting coupling and the optimised flow rates of the ultra high flow valve.



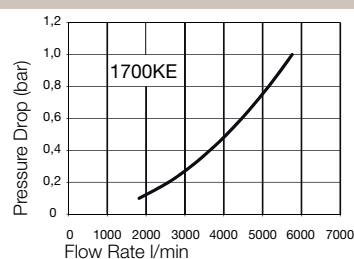
Accident Prevention / Occupational Safety

Safety self-venting couplings ensure greater occupational safety. As such, for example, pressure-free disconnection prevents the dangerous whiplash effect.



Self-venting System

The first time the sleeve is pushed back with the plug fixed, only the compressed air escapes. Only when the sleeve is operated again is the second locking system released and the connection disengaged.



Flow Rate

The ultra high flow valve allows high performance with a compact design. With an input pressure of 6 bar, the coupling achieves a flow rate of 4,075 l/min with a minimal pressure drop of 0.5 bar.



Nominal Diameter

10 = 80 mm²

RECTUS Series

1700KE



80% of actual size



Technical Description

The 1700KE series is a safety coupling with a self-venting system. When the sleeve is pulled back, the plug is released yet remains locked in. The coupling valve closes. The compressed air can now escape from the plug (hose). By operating the sleeve again in the direction of the plug, the second locking system is released. Only now can the connection be disengaged.

The system is compliant with the requirements of ISO 4414, DIN EN 983.

Advantages

Premium industrial coupling with unprecedented flow values and minimum coupling forces. Self-venting takes place during disconnection – no risk of pressurised hoses being tossed around. High flow performance combined with compact design.

Safety Note

Reliable functioning can only be guaranteed in conjunction with original Rectus plugs made of steel.

Working Pressure

PB = 0 up to 12 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*

-20°C up to +100°C (NBR)

*At a temperature below -20°C and above +100°C special seals are available on request.

Material

Coupling

Back Body
Valve Body

Sleeve
Valve
Spring
Locking Balls/Pins
Seals

Standard

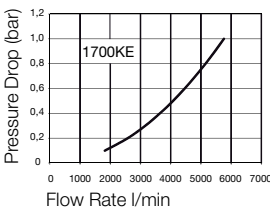
Brass, nickel plated
Steel, zinc plated,
Thick-film passivated
Steel, hardened, nickel plated
Brass
AISI 301
AISI 420
NBR

Plug

Steel, hardened, nickel plated

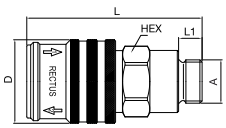
Chart

Air

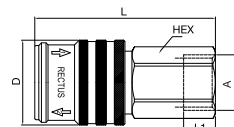


Couplings

RECTUS Series 1700KE



Male Thread

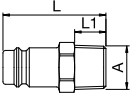
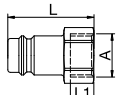


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	Version	Part Number
G 3/8	24	67	32	9				Standard	1700KEAW17SPN
G 1/2	24	70	32	12				Standard	1700KEAW21SPN
G 3/4	30	74	32	16				Standard	1700KEAW26SPN
G 3/8	24	64.5	32	12				Standard	1700KEIW17SPN
G 1/2	24	68	32	12				Standard	1700KEIW21SPN
G 3/4	32	74	32	16				Standard	1700KEIW26SPN

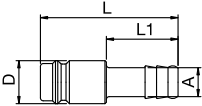
Plugs

RECTUS Series 27SF

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	R 1/4	17	40	12						Standard	27SF AK13 SXN
	R 3/8	17	40	12						Standard	27SF AK17 SXN
	R 1/2	22	45	17						Standard	27SF AK21 SXN
	R 3/4	27	48	19						Standard	27SF AK26 SXN
 <p>Female Thread</p>	G 1/4	17	33	9						Standard	27SF IW13 SXN
	G 3/8	19	33	9						Standard	27SF IW17 SXN
	G 1/2	24	37	12						Standard	27SF IW21 SXN
	G 3/4	32	42	16						Standard	27SF IW26 SXN

Plugs

RECTUS Series 27SF

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 <p>Hose Barb</p>	6 mm		48	15	25					Standard	27SF TF06 SXN
	8 mm		48	15	25					Standard	27SF TF08 SXN
	9 mm		48	15	25					Standard	27SF TF09 SXN
	10 mm		48	15	25					Standard	27SF TF10 SXN
	13 mm		48	15	25					Standard	27SF TF13 SXN
	16 mm		49	18	25					Standard	27SF TF16 SXN
	19 mm		49	18	25					Standard	27SF TF19 SXN

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