Nominal Diameter

10 = 80 mm²

Rectus Series

27



1/2" universal industrial coupling with standard European profile for use with large pneumatic consumers. Coupling system with single-hand operation. High Flow valve for optimum flow and low pressure drop. The series stands out for its robust design, extremely high flow and long service life even with the harshest use. The collar design minimises damage to the valve body.

Series 27 with additional end connections available on request.

Dust Protections **(P. 250)**
for Coupling Part.-No. SK27S

Working Temperature*
-15°C up to +200°C (FKM)
depending on the medium.

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

Other designs in series 27
The following other designs can be found from page:

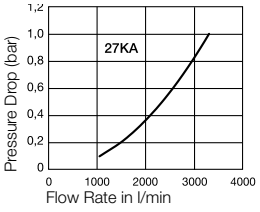
➤ Brass / Steel P. 86
➤ Safety Self-Venting P. 232

KA Single Shut-Off	KB Double Shut-Off
Working Pressure**	
35 bar ** maximum static working pressure with design factor 4 to 1.	35 bar
Material	
Coupling: AISI 303 / AISI 316 L **Plug:** AISI 303 / AISI 316 L **Seals:** FKM	**Coupling:** AISI 303 / AISI 316 L **Plug:** AISI 303 / AISI 316 L **Seals:** FKM
Technical Description	
Connecting Force 0 bar: 60 N **Connecting Force 6 bar:** 180 N **Vacuum Coupling:** 87% Available on request with O-ring seal for vacuum when coupled.	**Dead space volume:** 2,2 ml **Connecting Force 0 bar:** 60 N **Connecting Force 6 bar:** 180 N **Vacuum Coupling:** 96% **Vacuum Plug:** 96% Available on request with O-ring seal for vacuum when coupled.

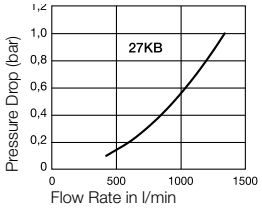
Interchangeability (KA only)
- Cejn 410

Flow diagrams

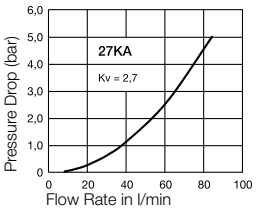
Air



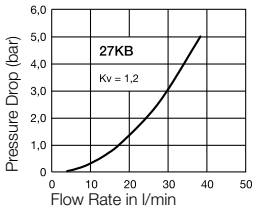
Air



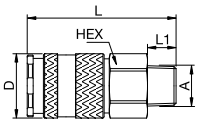
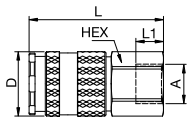
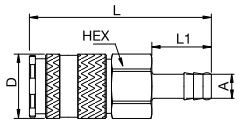
Water



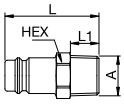
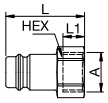
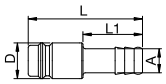
Water



Couplings – with valve — Series 27KA

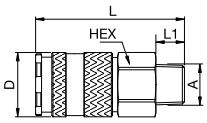
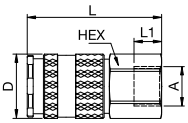
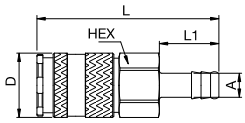
	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 Male Thread	G 3/8	24	57,5	9	27	AISI 303	27KAAW17RVX
	G 3/8	24	57,5	9	27	AISI 316 L	27KAAW17EVX
	G 1/2	24	59,5	12	27	AISI 303	27KAAW21RVX
	G 1/2	24	59,5	12	27	AISI 316 L	27KAAW21EVX
	G 3/4	32	60,5	16	27	AISI 303	27KAAW26RVX
	G 3/4	32	60,5	16	27	AISI 316 L	27KAAW26EVX
 Female Thread	G 1/2	24	56,5	12	27	AISI 303	27KAIW21RVX
	G 1/2	24	56,5	12	27	AISI 316 L	27KAIW21EVX
	G 3/4	32	60,5	16	27	AISI 316 L	27KAIW26EVX
 Hose Barb	13 mm	24	76,5	25	27	AISI 303	27KATF13RVX
	13 mm	24	76,5	25	27	AISI 316 L	27KATF13EVX

Plugs – without valve — Series 27KA

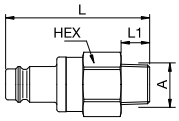
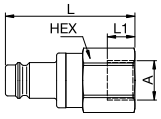
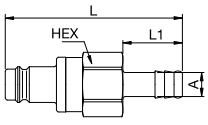
	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 Male Thread	G 1/4	17	36,5	9		AISI 303	27SFAW13RXX
	G 1/4	17	36,5	9		AISI 316 L	27SFAW13EXX
	G 3/8	19	36,5	9		AISI 303	27SFAW17RXX
	G 1/2	24	40	12		AISI 303	27SFAW21RXX
	G 1/2	24	40	12		AISI 316 L	27SFAW21EXX
 Female Thread	G 1/2	24	37	12		AISI 303	27SFIW21RXX
	G 1/2	24	37	12		AISI 316 L	27SFIW21EXX
	G 3/4	32	42	16		AISI 303	27SFIW26RXX
 Hose Barb	8 mm		48	25	15	AISI 303	27SFTF08RXX
	9 mm		48	25	15	AISI 303	27SFTF09RXX
	13 mm		48	25	15	AISI 303	27SFTF13RXX
	13 mm		48	25	15	AISI 316 L	27SFTF13EXX
	19 mm		49	25	21	AISI 303	27SFTF19RXX

⚠ Please consider our security advices on the pages 12/13 ⚠

Couplings – with valve — Series 27KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 Male Thread	G 3/8	24	57,5	9	27	AISI 303	27KBAW17RVX
	G 3/8	24	57,5	9	27	AISI 316 L	27KBAW17EVX
	G 1/2	24	59,5	12	27	AISI 303	27KBAW21RVX
	G 1/2	24	59,5	12	27	AISI 316 L	27KBAW21EVX
	G 3/4	32	60,5	16	27	AISI 316 L	27KBAW26EVX
 Female Thread	G 1/2	24	56,5	12	27	AISI 303	27KBIW21RVX
	G 1/2	24	56,5	12	27	AISI 316 L	27KBIW21EVX
 Hose Barb	13 mm	24	76,5	25	27	AISI 316 L	27KBTF13EVX

Plugs – with valve — Series 27KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 Male Thread	G 1/2	24	57,5	12		AISI 303	27SBAW21RVX
	G 1/2	24	57,5	12		AISI 316 L	27SBAW21EVX
 Female Thread	G 1/4	24	54,5	10		AISI 316 L	27SBIW13EVX
	G 1/2	24	54,5	12		AISI 303	27SBIW21RVX
	G 1/2	24	54,5	12		AISI 316 L	27SBIW21EVX
 Hose Barb	13 mm	24	74,5	25		AISI 303	27SBTF13RVX
	13 mm	24	74,5	25		AISI 316 L	27SBTF13EVX

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