Nominal Diameter

2,7 = 5 mm²

Rectus Series

20



Mini industrial coupling with internationally used profile. Frequent use in medical technology and chemistry/pharmacy.
Coupling system with single-hand operation. High flow despite small dimensions plus many applications with a variety of media.

Series 20 with additional end connections available on request.

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 20
The following other designs can be found from page:

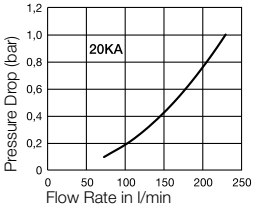
➤ Brass / Steel P. 18

KA Single Shut-Off	KB Double Shut-Off
Working Pressure**	
35 bar ** maximum static working pressure with design factor 4 to 1.	35 bar
Features	
	• Low pressure drop
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: 25 N **Connecting Force 6 bar:** 35 N **Vacuum Coupling:** 96% **Vacuum connected:** 96%	**Connecting Force 0 bar:** 25 N **Connecting Force 6 bar:** 35 N **Vacuum Coupling:** 96% **Vacuum Plug:** 96% **Vacuum connected:** 96%

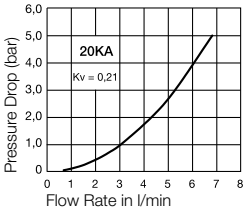
Interchangeability (KA only)
• Walther 06-003

Flow diagrams

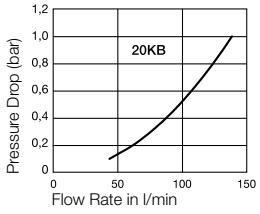
Air



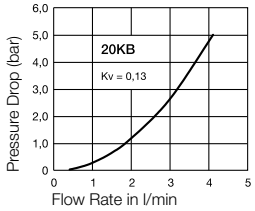
Water



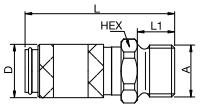
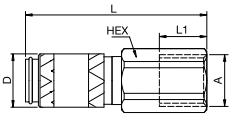
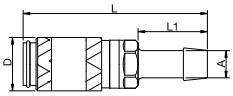
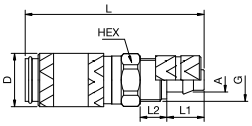
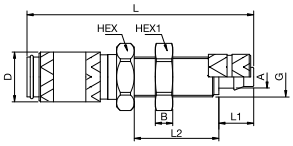
Air



Water



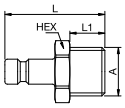
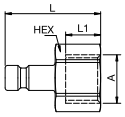
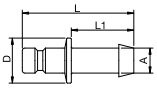
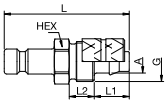
Couplings – with valve — Series 20KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	M 5	9		26	5		10			AISI 303	20KAAM05RVX
	M 5	9		26	5		10			AISI 316 L	20KAAM05EVX
	G 1/8	11		28	7		10			AISI 303	20KAAW10RVX
	G 1/8	11		28	7		10			AISI 316 L	20KAAW10EVX
 Female Thread	G 1/8	12		28	7		10			AISI 303	20KAIW10RVX
	G 1/8	12		28	7		10			AISI 316 L	20KAIW10EVX
 Hose Barb	4 mm			35	13		10			AISI 316 L	20KATF04EVX
 with Plastic Hose Connection	3 x 4 mm	9		34	7	5	10		M 7 x 0,5	AISI 316 L	20KAKO04EVX
	3 x 5 mm	9		34	7	5	10		M 7 x 0,5	AISI 316 L	20KAKO05EVX
	4 x 6 mm	9		34	7	5	10		M 8 x 0,5	AISI 303	20KAKO06RVX
	4 x 6 mm	9		34	7	5	10		M 8 x 0,5	AISI 316 L	20KAKO06EVX
 Panel Mount with Plastic Hose Connection	3 x 4 mm	12	11	45	7	17	10	3	M 7 x 0,5	AISI 303	20KAKS04RVX
	3 x 5 mm	12	11	45	7	17	10	3	M 7 x 0,5	AISI 303	20KAKS05RVX
	4 x 6 mm	12	11	45	7	17	10	3	M 8 x 0,5	AISI 303	20KAKS06RVX

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

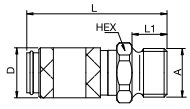
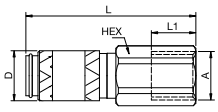
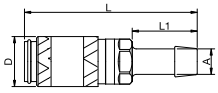
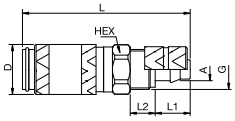
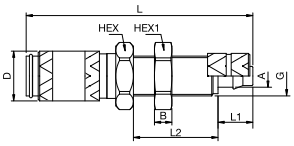
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Plugs – without valve — Series 20KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	M 5	7		18	5					AISI 303	20SFAM05RXX
	M 5	7		18	5					AISI 316 L	20SFAM05EXX
	G 1/8	11		20	7					AISI 303	20SFAW10RXX
	G 1/8	11		20	7					AISI 316 L	20SFAW10EXX
 Female Thread	G 1/8	12		19	7					AISI 303	20SFIW10RXX
	G 1/8	12		19	7					AISI 316 L	20SFIW10EXX
 Hose Barb	4 mm			24	13		7			AISI 303	20SFTF04RXX
	4 mm			24	13		7			AISI 316 L	20SFTF04EXX
	5 mm			22	13		9			AISI 303	20SFTF05RXX
 with Plastic Hose Connection	3 x 4 mm	8		25	7	5			M 7 x 0,5	AISI 316 L	20SFKO04EXX
	3 x 5 mm	8		25	7	5			M 7 x 0,5	AISI 316 L	20SFKO05EXX
	4 x 6 mm	8		25	7	5			M 8 x 0,5	AISI 303	20SFKO06RXX
	4 x 6 mm	8		25	7	5			M 8 x 0,5	AISI 316 L	20SFKO06EXX

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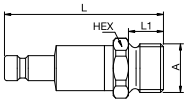
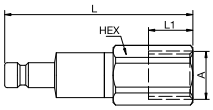
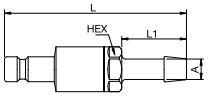
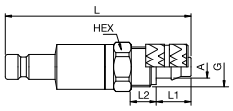
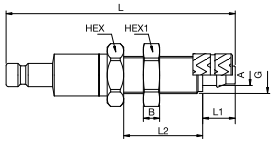
Couplings – with valve — Series 20KB

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	M 5	9		26	5		10			AISI 303	20KBAM05RVX
	M 5	9		26	5		10			AISI 316 L	20KBAM05EVX
	G 1/8	11		28	7		10			AISI 303	20KBAW10RVX
	G 1/8	11		28	7		10			AISI 316 L	20KBAW10EVX
 Female Thread	G 1/8	12		28	7		10			AISI 303	20KBIW10RVX
	G 1/8	12		28	7		10			AISI 316 L	20KBIW10EVX
 Hose Barb	4 mm			35	13		10			AISI 316 L	20KBTF04EVX
 with Plastic Hose Connection	3 x 4 mm	9		34	7	5	10		M 7 x 0,5	AISI 316 L	20KBKO04EVX
	3 x 5 mm	9		34	7	5	10		M 7 x 0,5	AISI 316 L	20KBKO05EVX
	4 x 6 mm	9		34	7	5	10		M 8 x 0,5	AISI 303	20KBKO06RVX
	4 x 6 mm	9		34	7	5	10		M 8 x 0,5	AISI 316 L	20KBKO06EVX
 Panel Mount with Plastic Hose Connection	3 x 4 mm	12	11	45	7	17	10	3	M 7 x 0,5	AISI 303	20KBKS04RVX
	3 x 5 mm	12	11	45	7	17	10	3	M 7 x 0,5	AISI 303	20KBKS05RVX
	4 x 6 mm	12	12	45	7	17	10	3,5	M 8 x 0,5	AISI 303	20KBKS06RVX

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

Plugs – with valve

Series 20KB

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	M 5	9		28	5					AISI 303	20SBAM05RVX
	M 5	9		28	5					AISI 316 L	20SBAM05EVX
	G 1/8	11		30	7					AISI 303	20SBAW10RVX
	G 1/8	11		30	7					AISI 316 L	20SBAW10EVX
 Female Thread	G 1/8	12		30	7					AISI 303	20SBIW10RVX
	G 1/8	12		30	7					AISI 316 L	20SBIW10EVX
 Hose Barb	4 mm	8		37	13					AISI 316 L	20SBTF04EVX
 with Plastic Hose Connection	3 x 4 mm	9		36	7	5			M 7 x 0,5	AISI 316 L	20SBKO04EVX
	3 x 5 mm	9		36	7	5			M 7 x 0,5	AISI 316 L	20SBKO05EVX
	4 x 6 mm	9		36	7	5			M 8 x 0,5	AISI 303	20SBKO06RVX
	4 x 6 mm	9		36	7	5			M 8 x 0,5	AISI 316 L	20SBKO06EVX
 Panel Mount with Plastic Hose Connection	3 x 4 mm	12	11	47	7	17		3	M 7 x 0,5	AISI 303	20SBKS04RVX
	3 x 5 mm	12	11	47	7	17		3	M 7 x 0,5	AISI 303	20SBKS05RVX
	4 x 6 mm	12	12	47	7	17		3,5	M 8 x 0,5	AISI 303	20SBKS06RVX

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