

Nominal Diameter

10 = 80 mm<sup>2</sup>



Rectus Series

27



Other designs in series 27

The following other designs can be found from page:

- Stainless Steel P. 156
- Safety Self-Venting P. 232

Interchangeability (KA only)

- Rectus 41
- Rectus 1700
- Rectus 1727
- Cejn 410

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 (steel sleeve), extremely high flow and long service life even with the harshest use. The collar design minimises damage to the valve body.

Series 27 in brass material with nickel plating and with additional end connections available on request.

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

**Working Temperature\***  
-20°C up to +100°C (NBR) depending on the medium.

\* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.



**Working Pressure\*\***

35 bar  
\*\* maximum static working pressure with design factor 4 to 1.

35 bar

**Material**

**Coupling:** Brass / Steel nickel plated  
**Plug:** Steel nickel plated  
**Seals:** NBR

**Coupling:** Brass  
**Plug:** Brass nickel plated  
**Seals:** NBR

**Technical Description**

**Connecting Force 0 bar:** 60 N  
**Connecting Force 6 bar:** 180 N

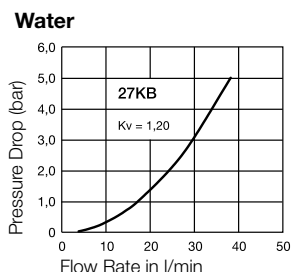
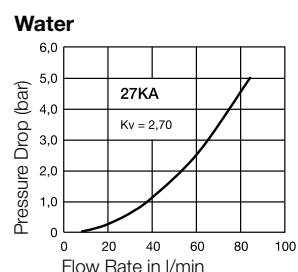
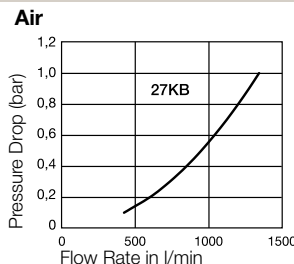
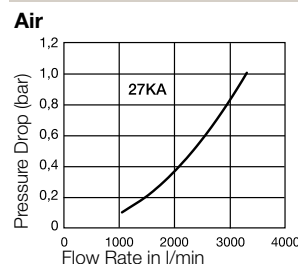
**Dead space volume:** 2,2 ml

**Vacuum Coupling:** 87%  
Available on request with O-ring seal for vacuum when coupled.

**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.

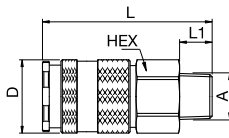
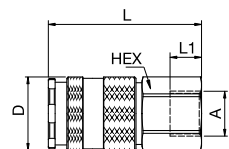
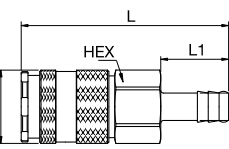
**Flow diagrams**





## Couplings – with valve

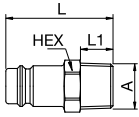
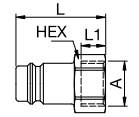
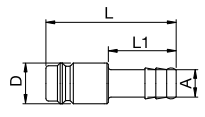
## Series 27KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	24	63	12	27	27KAAK13MPN
	R 3/8	24	63	12	27	27KAAK17MPN
	R 1/2	24	65	17	27	27KAAK21MPN
	R 3/4	27	65	17	27	27KAAK26MPN
 <p>Female Thread</p>	G 1/4	24	56	10	27	27KAIW13MPN
	G 3/8	24	56	11	27	27KAIW17MPN
	G 1/2	24	56	12	27	27KAIW21MPN
	G 3/4	27	60	16	27	27KAIW26MPN
 <p>Hose Barb</p>	6 mm	24	76	25	27	27KATF06MPN
	8 mm	24	76	25	27	27KATF08MPN
	9 mm	24	76	25	27	27KATF09MPN
	10 mm	24	76	25	27	27KATF10MPN
	13 mm	24	76	25	27	27KATF13MPN
	16 mm	24	76	20	27	27KATF16MPN
	19 mm	24	76	25	27	27KATF19MPN



## Plugs – without valve

## Series 27KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	17	40	12		27SFAK13SXN
	R 3/8	17	40	12		27SFAK17SXN
	R 1/2	22	45	17		27SFAK21SXN
	R 3/4	27	48	19		27SFAK26SXN
 <p>Female Thread</p>	G 1/4	17	33	9		27SFIW13SXN
	G 3/8	19	33	12		27SFIW17SXN
	G 1/2	24	37	12		27SFIW21SXN
	G 3/4	32	42	16		27SFIW26SXN
 <p>Hose Barb</p>	6 mm		48	25	15	27SFTF06SXN
	8 mm		48	25	15	27SFTF08SXN
	9 mm		48	25	15	27SFTF09SXN
	10 mm		48	25	15	27SFTF10SXN
	13 mm		48	25	15	27SFTF13SXN
	16 mm		49	25	18	27SFTF16SXN
	19 mm		49	25	21	27SFTF19SXN



## Couplings – with valve

Series 27KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
<p>Male Thread</p>	R 1/4	24	63	12	27	27KBAK13BPN
	R 3/8	24	63	12	27	27KBAK17BPN
	R 1/2	24	65	17	27	27KBAK21BPN
	R 3/4	27	65	17	27	27KBAK26BPN
<p>Female Thread</p>	G 1/4	24	56	10	27	27KBIW13BPN
	G 3/8	24	56	11	27	27KBIW17BPN
	G 1/2	24	56	12	27	27KBIW21BPN
	G 3/4	32	60	16	27	27KBIW26BPN
<p>Hose Barb</p>	8 mm	24	76	25	27	27KBTF08BPN
	9 mm	24	76	25	27	27KBTF09BPN
	10 mm	24	76	25	27	27KBTF10BPN
	13 mm	24	76	25	27	27KBTF13BPN
	16 mm	24	76	25	27	27KBTF16BPN
	19 mm	24	76	25	27	27KBTF19BPN



## Plugs – with valve

Series 27KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
<p>Male Thread</p>	R 1/4	24	60,5	12		27SBAK13MPN
	R 3/8	24	60,5	12		27SBAK17MPN
	R 1/2	24	62,5	17		27SBAK21MPN
	R 3/4	27	62,5	17		27SBAK26MPN
<p>Female Thread</p>	G 3/8	24	54,5	9		27SBIW17MPN
	G 1/2	24	54,5	12		27SBIW21MPN
	G 3/4	32	58,5	16		27SBIW26MPN
<p>Hose Barb</p>	9 mm	24	74	25		27SBTF09MPN
	10 mm	24	74	25		27SBTF10MPN
	13 mm	24	74	25		27SBTF13MPN
	16 mm	24	74	25		27SBTF16MPN
	19 mm	24	74	25		27SBTF19MPN