## Nominal Diameter

**7,8** = 48 mm²

## Rectus Series

**25**



Safety coupling with UltaFlo-Valve for optimum flow and low pressure drop. The series stands out for its robust design (steel sleeve) and long service life even with the harshest use. Additional safety locking system. This safety lock prevents unintentional disconnection. To disconnect, the plug must first be pushed further into the coupling before it can be unlocked. The brass version has been developed specifically for use with water in the pressure range up to 35 bar.

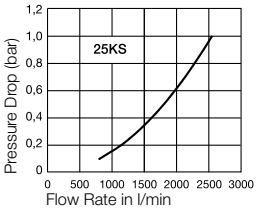
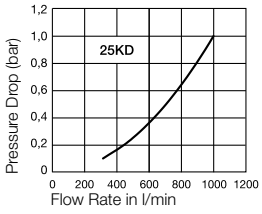
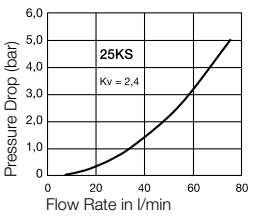
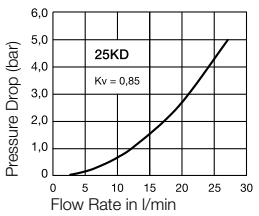
Series 25 in brass material with and without nickel plating and with additional end connections available on request.

**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.

**Other designs in series 25**
The following other designs can be found from page:

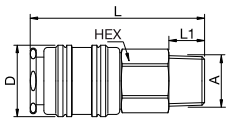
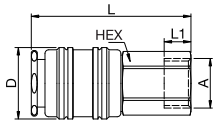
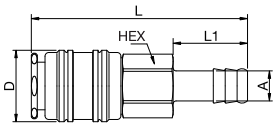

- ➤ Brass / Steel P. 70
- ➤ Stainless Steel P. 150
- ➤ Safety Self-Venting P. 230
- ➤ Coded Systems P. 236


| KS Single Shut-Off | KD Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 35 bar (Brass-Version)<br>70 bar (with steel body and steel sleeve)<br>** maximum static working pressure with design factor 4 to 1. | 35 bar |
| **Features** | |
| • Double profiled plug design against wear of material during operation | • Handy sleeve for optimum operation even with gloves |
| **Material** | |
| **Coupling:** Brass / Steel or Brass<br>**Plug:** Steel zinc plated or Brass<br>**Seals:** NBR | **Coupling:** Brass nickel plated<br>**Plug:** Brass nickel plated<br>**Seals:** NBR |
| **Technical Description** | |
| **Connecting Force 0 bar:** 40 N<br>**Connecting Force 6 bar:** 120 N<br><br>**Vacuum Coupling:** 87%<br>Available on request with O-ring seal for vacuum when coupled. | **Dead space volume:** 1,5 ml<br><br>**Connecting Force 0 bar:** 40 N<br>**Connecting Force 6 bar:** 120 N<br><br>**Vacuum Coupling:** 96%<br>**Vacuum Plug:** 96%<br>**Vacuum connected:** 96% |
| **Flow diagrams** | |
| **Air**<br><br> | **Air**<br><br> |
| **Water**<br><br> | **Water**<br><br> |

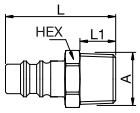
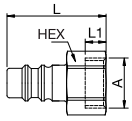
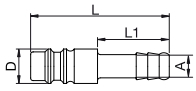


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## Couplings – with valve — Series 25KS

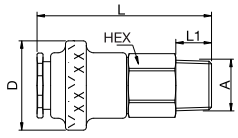
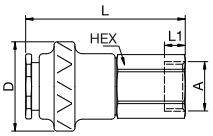
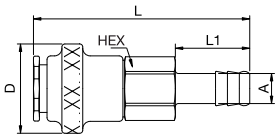
| | Connection A | HEX mm | L mm | L1 mm | D mm | Part Number |
|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | 60 | 12 | 23 | 25KSAK13SPN |
| | R 3/8 | 19 | 60 | 12 | 23 | 25KSAK17SPN |
| | R 1/2 | 22 | 61 | 17 | 23 | 25KSAK21SPN |
|  Female Thread | G 1/4 | 19 | 56 | 10 | 23 | 25KSIW13SPN |
| | G 3/8 | 19 | 55 | 9 | 23 | 25KSIW17SPN |
| | G 1/2 | 24 | 58 | 12 | 23 | 25KSIW21SPN |
|  Hose Barb | 6 mm | 19 | 74 | 25 | 23 | 25KSTF06SPN |
| | 8 mm | 19 | 74 | 25 | 23 | 25KSTF08SPN |
| | 9 mm | 19 | 74 | 25 | 23 | 25KSTF09SPN |
| | 10 mm | 19 | 74 | 25 | 23 | 25KSTF10SPN |
| | 13 mm | 19 | 74 | 25 | 23 | 25KSTF13SPN |

## Plugs – without valve — Series 25KS

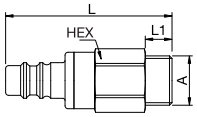
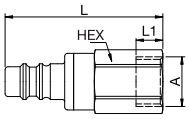
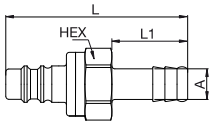
| | Connection A | HEX mm | L mm | L1 mm | D mm | Part Number |
|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 13 | 33 | 9 | | 25SSAK10SXZ |
| | R 1/4 | 14 | 37 | 12 | | 25SSAK13SXZ |
| | R 3/8 | 17 | 37 | 12 | | 25SSAK17SXZ |
| | R 1/2 | 22 | 43 | 17 | | 25SSAK21SXZ |
|  Female Thread | G 1/4 | 17 | 33 | 9 | | 25SSIW13SXZ |
| | G 3/8 | 19 | 33 | 9 | | 25SSIW17SXZ |
|  Hose Barb | 9 mm | | 48 | 25 | 12 | 25SSTF09SXZ |
| | 10 mm | | 48 | 25 | 12 | 25SSTF10SXZ |

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

## Couplings – with valve — Series 25KD

| | Connection A | HEX mm | L mm | L1 mm | D mm | Part Number |
|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | 60 | 12 | 30 | 25KDAK13BPN |
| | R 3/8 | 19 | 60 | 12 | 30 | 25KDAK17BPN |
| | R 1/2 | 22 | 61 | 17 | 30 | 25KDAK21BPN |
|  Female Thread | G 1/4 | 19 | 56 | 10 | 30 | 25KDIW13BPN |
| | G 3/8 | 19 | 55 | 9 | 30 | 25KDIW17BPN |
| | G 1/2 | 24 | 58 | 12 | 30 | 25KDIW21BPN |
|  Hose Barb | 6 mm | 19 | 74 | 25 | 30 | 25KDTF06BPN |
| | 8 mm | 19 | 74 | 25 | 30 | 25KDTF08BPN |
| | 10 mm | 19 | 74 | 25 | 30 | 25KDTF10BPN |
| | 13 mm | 19 | 74 | 25 | 30 | 25KDTF13BPN |

## Plugs – with valve — Series 25KD

| | Connection A | HEX mm | L mm | L1 mm | D mm | Part Number |
|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 22 | 43 | 9 | | 25SDAW13MPN |
| | G 3/8 | 22 | 43 | 9 | | 25SDAW17MPN |
| | G 1/2 | 22 | 46 | 12 | | 25SDAW21MPN |
|  Female Thread | G 1/4 | 22 | 43 | 10 | | 25SDIW13MPN |
| | G 3/8 | 22 | 43 | 9 | | 25SDIW17MPN |
| | G 1/2 | 24 | 46 | 12 | | 25SDIW21MPN |
|  Hose Barb | 6 mm | 21 | 60 | 25 | | 25SDTF06MPN |
| | 8 mm | 21 | 60 | 25 | | 25SDTF08MPN |
| | 10 mm | 21 | 60 | 25 | | 25SDTF10MPN |
| | 13 mm | 21 | 60 | 25 | | 25SDTF13MPN |



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