



Technical Description

3/8" - 1/2" brass coupling system. High flow performance. Notable for robust design and steel sleeve used with large pneumatic consumers.

Dust Caps (P. 331)

for coupling Part.-No. SK23S
for plug Part.-No. SK12S



Advantages

Single handed operation. Robust design. High flow valve. No damage to the valve body from collar design. Minimum (hardly noticeable) leakage occurs when disconnecting. Air is not trapped in during the connecting process.

Working Pressure

PB = 8 bar, maximum static working pressure with safety factor of 4 to 1.

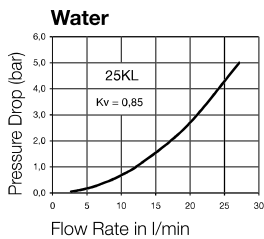
Working Temperature*

-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

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



Chart



Material

Coupling

Back Body
Valve Body
Sleeve
Valve
Spring and Locking Ring
Locking Balls
Seals
Seal Bonnet
Inner Sleeve

Standard

Brass, Nickel Plated
Brass, Nickel Plated
Brass, Nickel Plated
Brass
AISI 301
AISI 420
NBR
Brass
Brass

Nickel Plated

Plug

Plug Profile
Back Body
Valve
Spring
Seal

Brass
Brass
Brass
AISI 301
NBR

Brass, Nickel Plated
Brass, Nickel Plated
Brass, Nickel Plated
AISI 301
NBR

You will find the following alternative versions in our current catalogue on page:

- ▶ Brass/Steel Single Shut-off P. 73
- ▶ Brass/Steel Double Shut-off P. 139
- ▶ Stainless Steel P. 230
- ▶ Safety P. 278
- ▶ Safety Self-Venting P. 290
- ▶ Coded Systems P. 303

Couplings

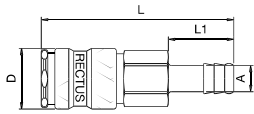
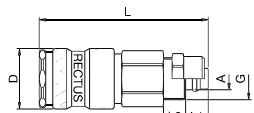
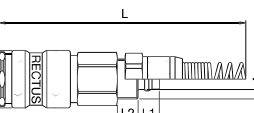
RECTUS Series 25KL

| | Connection A | Hex SW | L mm | D mm | L1 mm | L2 mm | Hex1 SW1 | B mm | G mm | Version | Part Number |
|----------------------|--------------|--------|------|------|-------|-------|----------|------|----------|---------------|---------------|
| <p>Male Thread</p> | R 1/4 | 19 | 60 | 23 | 12 | | | | | Standard | 25KL AK13 BPN |
| | R 3/8 | 19 | 60 | 23 | 12 | | | | | Standard | 25KL AK17 BPN |
| | R 1/2 | 22 | 61 | 23 | 17 | | | | | Standard | 25KL AK21 BPN |
| <p>Female Thread</p> | G 1/4 | 19 | 56 | 23 | 10 | | | | | Standard | 25KL IW13 BPN |
| | G 3/8 | 19 | 55 | 23 | 9 | | | | | Standard | 25KL IW17 BPN |
| | G 1/2 | 24 | 58 | 23 | 12 | | | | | Standard | 25KL IW21 BPN |
| | M 14 x 1,5 | 19 | 55 | 23 | 9 | | | | | Standard | 25KL IM14 BPN |
| | M 16 x 1,5 | 19 | 55 | 23 | 9 | | | | | Standard | 25KL IM16 BPN |
| M 18 x 1,5 | 22 | 56 | 23 | 9 | | | | | Standard | 25KL IM18 BPN | |

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

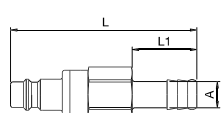
Couplings

RECTUS Series 25KL

| | Connection A | Hex SW | L mm | D mm | L1 mm | L2 mm | Hex1 SW1 | B mm | G mm | Version | Part Number |
|---|--------------|--------|------|------|-------|-------|----------|----------|----------|---------------|---------------|
|  <p>Hose Barb</p> | 6 mm | 19 | 74 | 23 | 25 | | | | | Standard | 25KL TF06 BPN |
| | 8 mm | 19 | 74 | 23 | 25 | | | | | Standard | 25KL TF08 BPN |
| | 9 mm | 19 | 74 | 23 | 25 | | | | | Standard | 25KL TF09 BPN |
| | 10 mm | 19 | 74 | 23 | 25 | | | | | Standard | 25KL TF10 BPN |
| | 13 mm | 19 | 74 | 23 | 25 | | | | | Standard | 25KL TF13 BPN |
|  <p>Plastic Hose Connection</p> | 6 x 8 mm | 19 | 67 | 23 | 7 | 6 | | M 12 x 1 | Standard | 25KL KO08 BPN | |
| | 8 x 10 mm | 19 | 155 | 23 | 9 | 8 | | M 16 x 1 | Standard | 25KL KO10 BPN | |
| | 9 x 12 mm | 19 | 65 | 23 | 9 | 8 | | M 16 x 1 | Standard | 25KL KO12 BPN | |
|  <p>Plastic Hose Connection with Spring Guard</p> | 6 x 8 mm | 19 | 144 | 23 | 7 | 6 | | M 12 x 1 | Standard | 25KL KK08 BPN | |
| | 8 x 10 mm | 19 | 155 | 23 | 9 | 8 | | M 16 x 1 | Standard | 25KL KK10 BPN | |
| | 9 x 12 mm | 19 | 162 | 23 | 9 | 8 | | M 16 x 1 | Standard | 25KL KK12 BPN | |

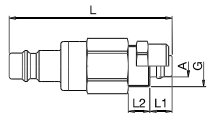
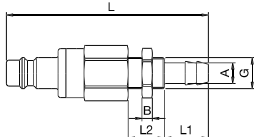
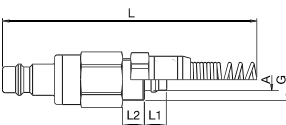
Valved Plugs

RECTUS Series 25KL

| | Connection A | Hex SW | L mm | D mm | L1 mm | L2 mm | Hex1 SW1 | B mm | G mm | Version | Part Number | |
|--|--------------|--------|------|------|-------|-------|----------|------|------|---------------|---------------|---------------|
|  <p>Hose Barb</p> | 9 mm | 21 | 60 | 25 | | | | | | Standard | 25SL TF09 MPX | |
| | | | | | | | | | | Nickel Plated | 25SL TF09 MPN | |
| | 10 mm | 21 | 60 | 25 | | | | | | | Standard | 25SL TF10 MPX |
| | | | | | | | | | | | Nickel Plated | 25SL TF10 MPN |
| | 13 mm | 21 | 60 | 25 | | | | | | | Standard | 25SL TF13 MPX |
| | | | | | | | | | | | Nickel Plated | 25SL TF13 MPN |
| | | | | | | | | | | | | |
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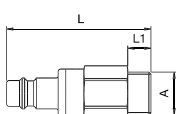
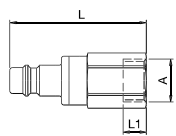
Valved Plugs

RECTUS Series 25KL

| | Connection A | Hex SW | L mm | D mm | L1 mm | L2 mm | Hex1 SW1 | B mm | G mm | Version | Part Number |
|--|--------------|--------|------|------|-------|-------|----------|------|----------|---------------|---------------|
|  <p>Plastic Hose Connection</p> | 6 x 8 mm | 21 | 47 | | 7 | 6 | | | M 12 x 1 | Standard | 25SL KO08 MPX |
| | | | | | | | | | | Nickel Plated | 25SL KO08 MPN |
| | 8 x 10 mm | 21 | 51 | | 8,5 | 8,5 | | | M 16 x 1 | Standard | 25SL KO10 MPX |
| | | | | | | | | | | Nickel Plated | 25SL KO10 MPN |
| | 9 x 12 mm | 21 | 51 | | 8,5 | 8,5 | | | M 16 x 1 | Standard | 25SL KO12 MPX |
| | | | | | | | | | | Nickel Plated | 25SL KO12 MPN |
|  <p>Panel Mount, Hose Barb</p> | 6 mm | 21 | 62 | | 17 | 10 | 17 | 4 | M 12 x 1 | Standard | 25SL TS06 MPX |
| | | | | | | | | | | Nickel Plated | 25SL TS06 MPN |
| | 10 mm | 21 | 74 | | 25 | 14 | 7 | 3,5 | G 1/4 | Standard | 25SL TS10 MPX |
| | | | | | | | | | | Nickel Plated | 25SL TS10 MPN |
|  <p>Plastic Hose Connection with Spring Guard</p> | 6 x 8 mm | 19 | 135 | | 7 | 6 | | | M 12 x 1 | Standard | 25SL KK08 MPX |
| | | | | | | | | | | Nickel Plated | 25SL KK08 MPN |
| | 8 x 10 mm | 19 | 145 | | 8,5 | 8,5 | | | M 16 x 1 | Standard | 25SL KK10 MPX |
| | | | | | | | | | | Nickel Plated | 25SL KK10 MPN |
| | 9 x 12 mm | 19 | 150 | | 8,5 | 8,5 | | | M 16 x 1 | Standard | 25SL KK12 MPX |
| | | | | | | | | | | Nickel Plated | 25SL KK12 MPN |

Valved Plugs

RECTUS Series 25KL

| | Connection A | Hex SW | L mm | D mm | L1 mm | L2 mm | Hex1 SW1 | B mm | G mm | Version | Part Number |
|--|--------------|--------|------|------|-------|-------|----------|------|------|---------------|---------------|
|  <p>Male Thread</p> | G 1/4 | 22 | 43 | | 9 | | | | | Standard | 25SL AW13 MPX |
| | | | | | | | | | | Nickel Plated | 25SL AW13 MPN |
| | G 3/8 | 22 | 43 | | 9 | | | | | Standard | 25SL AW17 MPX |
| | | | | | | | | | | Nickel Plated | 25SL AW17 MPN |
| | G 1/2 | 22 | 46 | | 12 | | | | | Standard | 25SL AW21 MPX |
| | | | | | | | | | | Nickel Plated | 25SL AW21 MPN |
| | M 14 x 1,5 | 22 | 44 | | 10 | | | | | Standard | 25SL AD14 MPX |
| | | | | | | | | | | Nickel Plated | 25SL AD14 MPN |
| | M 16 x 1,5 | 22 | 45 | | 11 | | | | | Standard | 25SL AD16 MPX |
| | | | | | | | | | | Nickel Plated | 25SL AD16 MPN |
| | M 18 x 1,5 | 22 | 45 | | 11 | | | | | Standard | 25SL AD18 MPX |
| | | | | | | | | | | Nickel Plated | 25SL AD18 MPN |
|  <p>Female Thread</p> | G 1/4 | 22 | 43 | | 10 | | | | | Standard | 25SL IW13 MPX |
| | | | | | | | | | | Nickel Plated | 25SL IW13 MPN |
| | G 3/8 | 22 | 43 | | 9 | | | | | Standard | 25SL IW17 MPX |
| | | | | | | | | | | Nickel Plated | 25SL IW17 MPN |
| | G 1/2 | 24 | 46 | | 12 | | | | | Standard | 25SL IW21 MPX |
| | | | | | | | | | | Nickel Plated | 25SL IW21 MPN |
| | M 14 x 1,5 | 22 | 43 | | 9 | | | | | Standard | 25SL IM14 MPX |
| | | | | | | | | | | Nickel Plated | 25SL IM14 MPN |
| | M 16 x 1,5 | 22 | 43 | | 9 | | | | | Standard | 25SL IM16 MPX |
| | | | | | | | | | | Nickel Plated | 25SL IM16 MPN |
| | M 18 x 1,5 | 22 | 43 | | 9 | | | | | Standard | 25SL IM18 MPX |
| | | | | | | | | | | Nickel Plated | 25SL IM18 MPN |

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