

Nominal Diameter

4,3 - 20



Rectus Series

70

Low Pressure



Coupling series in sizes 1/8" to 1" with plug profile compliant with ISO 7241-1 series B. Particularly suited to use with liquid media.

Coupling system with two-hand operation, i.e. both hands are required when coupling/uncoupling. The coupling series stands out for its high flow rates against a low pressure drop.

Series 70 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.

**Working Pressure****

see charts

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

Material

Coupling: AISI 303 / AISI 316 L

Plug: AISI 303 / AISI 316 L

Seals: FKM

Technical Description

Dead space volume: 0,45 ml

Connecting Force 0 bar: 55 N

Connecting Force 6 bar: 140 N

Vacuum Coupling: 96% *

Vacuum Plug: 96% *

Vacuum connected: 96% *

* Except for series 76, which is not suitable for vacuum applications.

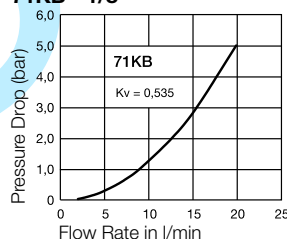
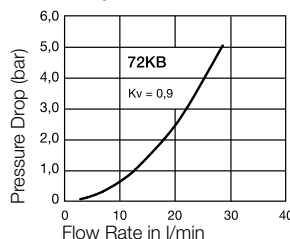
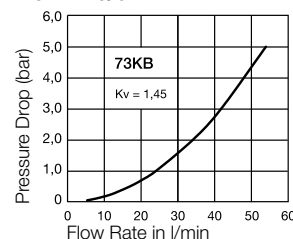
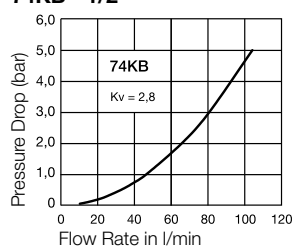
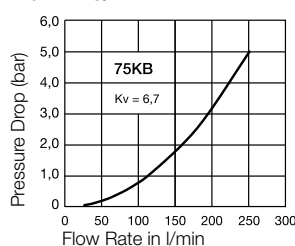
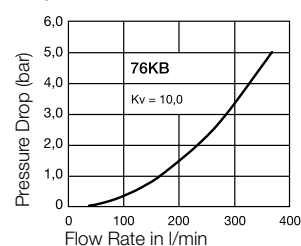
Other designs in series 70

The following other designs can be found from page:

- | | |
|-----------------|--------|
| ► Brass / Steel | P. 126 |
| ► Thermoplastic | P. 190 |

Interchangeability

- ISO 7241-1 Series B

Flow diagrams Water**71KB - 1/8"****72KB - 1/4"****73KB - 3/8"****74KB - 1/2"****75KB - 3/4"****76KB - 1"**

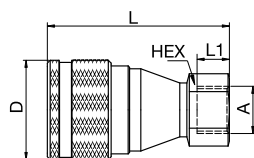


Couplings – with valve

Series 70KB

Stainless Steel

Low Pressure



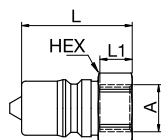
Female Thread

| Size | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | Working Pressure max. / bar | Version | Part Number |
|------|--------------|--------|---------|-------|-------|-------|------|------|-----------------------------|------------|-------------|
| 1/8 | G 1/8 | 14 | | 48,5 | 7 | | 25 | | 250 | AISI 303 | 71KBIW10RVX |
| 1/8 | G 1/8 | 14 | | 48,5 | 7 | | 25 | | 250 | AISI 316 L | 71KBIW10EVX |
| 1/4 | G 1/4 | 19 | | 57,5 | 10 | | 29 | | 250 | AISI 303 | 72KBIW13RVX |
| 1/4 | G 1/4 | 19 | | 57,5 | 10 | | 29 | | 250 | AISI 316 L | 72KBIW13EVX |
| 3/8 | G 3/8 | 22 | | 64 | 11,5 | | 35 | | 250 | AISI 303 | 73KBIW17RVX |
| 3/8 | G 3/8 | 22 | | 64 | 11,5 | | 35 | | 250 | AISI 316 L | 73KBIW17EVX |
| 1/2 | G 1/2 | 27 | | 76 | 16 | | 44,5 | | 250 | AISI 303 | 74KBIW21RVX |
| 1/2 | G 1/2 | 27 | | 76 | 16 | | 44,5 | | 250 | AISI 316 L | 74KBIW21EVX |
| 3/4 | G 3/4 | 34 | | 96 | 24 | | 55 | | 160 | AISI 303 | 75KBIW26RVX |
| 3/4 | G 3/4 | 34 | | 96 | 24 | | 55 | | 160 | AISI 316 L | 75KBIW26EVX |
| 1 | G 1 | 41 | | 105,5 | 24 | | 62 | | 100 | AISI 303 | 76KBIW33RVX |
| 1 | G 1 | 41 | | 105,5 | 24 | | 62 | | 100 | AISI 316 L | 76KBIW33EVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |



Plugs – with valve

Series 70KB



Female Thread

| Size | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | Working Pressure max. / bar | Version | Part Number |
|------|--------------|--------|---------|------|-------|-------|------|------|-----------------------------|------------|-------------|
| 1/8 | G 1/8 | 14 | | 29,5 | 7 | | | | 250 | AISI 303 | 71SBIW10RVX |
| 1/8 | G 1/8 | 14 | | 29,5 | 7 | | | | 250 | AISI 316 L | 71SBIW10EVX |
| 1/4 | G 1/4 | 19 | | 35 | 10 | | | | 250 | AISI 303 | 72SBIW13RVX |
| 1/4 | G 1/4 | 19 | | 35 | 10 | | | | 250 | AISI 316 L | 72SBIW13EVX |
| 3/8 | G 3/8 | 22 | | 39 | 11,5 | | | | 250 | AISI 303 | 73SBIW17RVX |
| 3/8 | G 3/8 | 22 | | 39 | 11,5 | | | | 250 | AISI 316 L | 73SBIW17EVX |
| 1/2 | G 1/2 | 27 | | 48 | 16 | | | | 250 | AISI 303 | 74SBIW21RVX |
| 1/2 | G 1/2 | 27 | | 48 | 16 | | | | 250 | AISI 316 L | 74SBIW21EVX |
| 3/4 | G 3/4 | 36 | | 60 | 24 | | | | 160 | AISI 303 | 75SBIW26RVX |
| 3/4 | G 3/4 | 36 | | 60 | 24 | | | | 160 | AISI 316 L | 75SBIW26EVX |
| 1 | G 1 | 41 | | 65 | 24 | | | | 100 | AISI 303 | 76SBIW33RVX |
| 1 | G 1 | 41 | | 65 | 24 | | | | 100 | AISI 316 L | 76SBIW33EVX |
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