



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*

-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**

see chart

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

Material

Coupling: Brass

Plug: Brass

Seals: NBR

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:

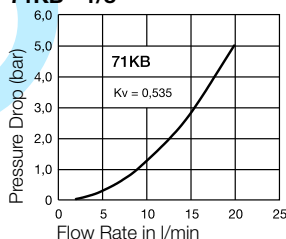
- Stainless Steel P. 164
- Thermoplastic P. 190

Interchangeability

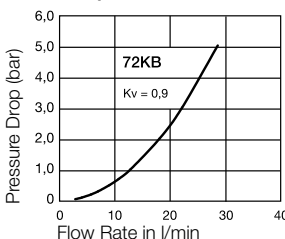
- ISO 7241-1 Series B

Flow diagrams Water

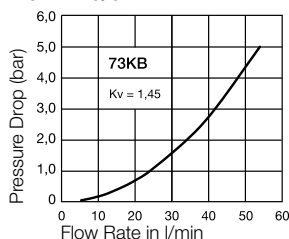
71KB - 1/8"



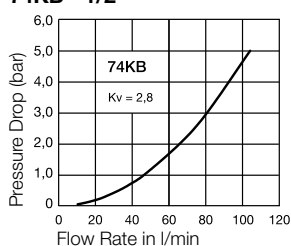
72KB - 1/4"



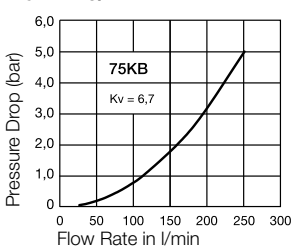
73KB - 3/8"



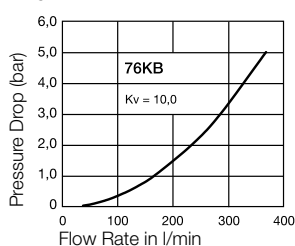
74KB - 1/2"



75KB - 3/4"



76KB - 1"



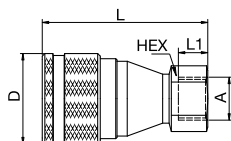


Couplings – with valve

Series 70KB

Brass/Steel

Low Pressure



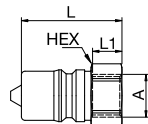
Female Thread

| Size | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | D mm | Version | Working Pressure max. / bar | Part Number |
|------|--------------|--------|---------|-------|-------|------|---------------|-----------------------------|-------------|
| 1/8" | G 1/8 | 14 | | 48,5 | 7 | 25 | blank | 250 | 71KBIW10MPX |
| 1/8" | G 1/8 | 14 | | 48,5 | 7 | 25 | nickel plated | 250 | 71KBIW10MPN |
| 1/4" | G 1/4 | 19 | | 57,5 | 10 | 25 | blank | 200 | 72KBIW13MPX |
| 1/4" | G 1/4 | 19 | | 57,5 | 10 | 25 | nickel plated | 200 | 72KBIW13MPN |
| 3/8" | G 3/8 | 22 | | 64 | 11,5 | 35 | blank | 200 | 73KBIW17MPX |
| 3/8" | G 3/8 | 22 | | 64 | 11,5 | 35 | nickel plated | 200 | 73KBIW17MPN |
| 1/2" | G 1/2 | 27 | | 76 | 16 | 44,5 | blank | 150 | 74KBIW21MPX |
| 1/2" | G 1/2 | 27 | | 76 | 16 | 44,5 | nickel plated | 150 | 74KBIW21MPN |
| 3/4" | G 3/4 | 34 | | 96 | 24 | 55 | blank | 100 | 75KBIW26MPX |
| 3/4" | G 3/4 | 34 | | 96 | 24 | 55 | nickel plated | 100 | 75KBIW26MPN |
| 1" | G 1 | 41 | | 105,5 | 24 | 62 | blank | 100 | 76KBIW33MPX |
| 1" | G 1 | 41 | | 105,5 | 24 | 62 | nickel plated | 100 | 76KBIW33MPN |



Plugs – with valve

Series 70KB



Female Thread

| Size | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | D mm | Version | Working Pressure max. / bar | Part Number |
|------|--------------|--------|---------|------|-------|------|---------------|-----------------------------|-------------|
| 1/8" | G 1/8 | 14 | | 29,5 | 7 | | blank | 250 | 71SBIW10MPX |
| 1/8" | G 1/8 | 14 | | 29,5 | 7 | | nickel plated | 250 | 71SBIW10MPN |
| 1/4" | G 1/4 | 19 | | 35 | 10 | | blank | 200 | 72SBIW13MPX |
| 1/4" | G 1/4 | 19 | | 35 | 10 | | nickel plated | 200 | 72SBIW13MPN |
| 3/8" | G 3/8 | 22 | | 39 | 11,5 | | blank | 200 | 73SBIW17MPX |
| 3/8" | G 3/8 | 22 | | 39 | 11,5 | | nickel plated | 200 | 73SBIW17MPN |
| 1/2" | G 1/2 | 27 | | 48 | 16 | | blank | 150 | 74SBIW21MPX |
| 1/2" | G 1/2 | 27 | | 48 | 16 | | nickel plated | 150 | 74SBIW21MPN |
| 3/4" | G 3/4 | 36 | | 60 | 24 | | blank | 100 | 75SBIW26MPX |
| 3/4" | G 3/4 | 36 | | 60 | 24 | | nickel plated | 100 | 75SBIW26MPN |
| 1" | G 1 | 41 | | 65 | 24 | | blank | 100 | 76SBIW33MPX |
| 1" | G 1 | 41 | | 65 | 24 | | nickel plated | 100 | 76SBIW33MPN |