



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.

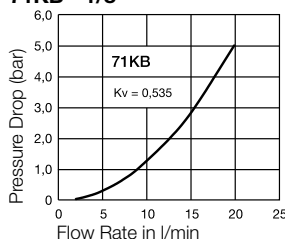
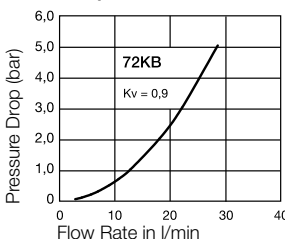
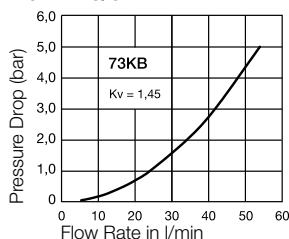
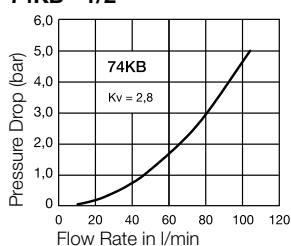
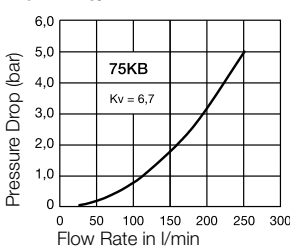
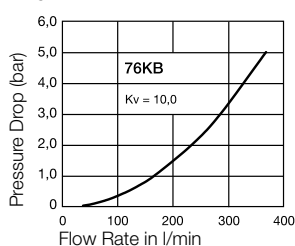
Other designs in series 70

The following other designs can be found from page:

- Stainless Steel P. 164
- Thermoplastic P. 190

Interchangeability

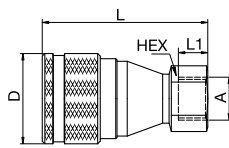
- ISO 7241-1 Series B

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



Couplings – with valve

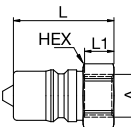
Series 70KB

	Size	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	D mm	Version	Working Pressure max. / bar	Part Number
 Female Thread	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

	Size	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	D mm	Version	Working Pressure max. / bar	Part Number
 Female Thread	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