



Series UM

Technical chart | Quick coupling systems

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, $\Delta p = 1$ bar		Q [m³/h] air 6 bar, 20 °C, $\Delta p = 1$ bar		p max. permissible static [bar / psi]	
	EA	BA	EA	BA	EA	BA	Brass	Stainless steel
							coupled	coupled
4	0.36		5.14		18.22		20 / 290	
6		0.77		11.00		38.97		20 / 290
12		3.25		46.41		164.47		20 / 290

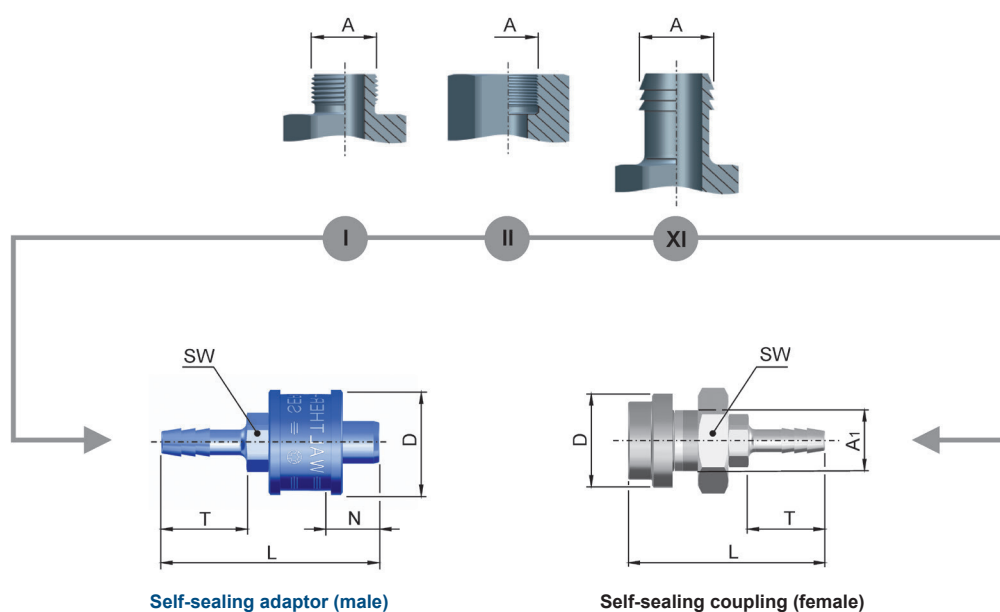
One side self-sealing (EA). Both sides self-sealing (BA). The pressure values are applicable at a temperature of 20°C. Please inquire about other temperature ranges.

Stated maximum permissible operating pressures (p max. permissible static) only apply to materials specified by us and to operation with group II media according to directive 2014/68/EU. Material combinations, optional materials, as well as other media or other temperature ranges can lead to divergent maximum permissible operating pressures and must be requested separately.

Please note that the maximum permissible operating pressure of the connection and quick coupling system must be considered when determining the operating pressure. Our safety instructions must be followed.

◀◀ The **performance diagram** can be found on the front catalogue fold-out page.

A detailed **connection description** can be found on the back catalogue fold-out page. ▶▶





Series UM

Features chart | Quick coupling systems

	Product features	Materials	Seals	Additional options
Standard	- Automatic locking - Manipulator operable - Non-interchangeable round fitting R1-R5 - Character and colour coding according to NB possible	23 = Brass nickel plated Closing bush and locking sleeve: Aluminium, colour coding From UM-006 01 = Stainless steel 1.4404/1.4571 or similar	1 = NBR 2 = FKM 4 = EPDM	OV = Without valve R0-R5 = With round fitting
Optional	- Available with general fitting from nominal bore 6 (version -R0) - Coupling end for bulkhead mounting			

The diameter is to be requested depending on the round fitting.

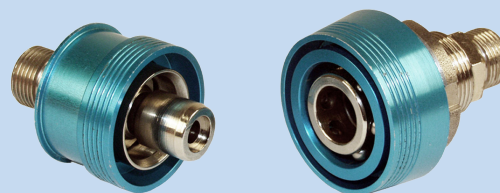
Maximum bulkhead thickness: NB 4 = 5 mm, NB 6 = 10 mm, NB 12 = 18 mm

Note: The additional feature R0 or R1-R5 is an integral component of the part number and must be specified!

Attention: Self-sealing coupling + OV $\triangleq$ Product type Thru-type coupling; Self-sealing adaptor + OV $\triangleq$ Product type Thru-type adaptor

For example, a complete part number looks like this:

UM-004-0-WR010-Material-Seal-Additional options-Y../-Z..



Product chart | Quick coupling systems

Self-sealing adaptor / thru-type adaptor marked in blue

NB	Product type	A / A1	Design	SW	T	D	L	N	Weight Brass	Material-neutral part number
4	Self-sealing coupling (female)	BSPP 1/8" M 18 x 0.75	I	22	10	36	45.5		115	UM-004-0-WR010-...-
4	Thru-type adaptor (male)	6 mm	XI	14	20	27-31	63.5	15.5	110	UM-004-1-SL006-..

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]



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Product chart | Quick coupling systems

Self-sealing adaptor marked in blue

NB	Product type	A / A1	Range	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
6	Self-sealing coupling (female)	9 mm M 24 x 1.5	XI	36	30	37-46	77.5		223	UM-006-0-SL009-...
6	Self-sealing coupling (female)	11 mm M 24 x 1.5	XI	36	30	37-46	77.5		231	UM-006-0-SL011-...
6	Self-sealing coupling (female)	13 mm M 24 x 1.5	XI	36	30	37-46	78		239	UM-006-0-SL013-...
6	Self-sealing coupling (female)	BSPP 1/4" M 24 x 1.5	I	36	11	37-46	58.5		222	UM-006-0-WR013-...
6	Self-sealing coupling (female)	BSPP 3/8" M 24 x 1.5	I	36	12	37-46	59.5		230	UM-006-0-WR017-...
6	Self-sealing coupling (female)	BSPP 1/4" M 24 x 1.5	II	36	13	37-46	57.5		231	UM-006-0-WR513-...
6	Self-sealing adaptor (male)	9 mm	XI	19	30	37-38	78.5	22.5	171	UM-006-2-SL009-...
6	Self-sealing adaptor (male)	11 mm	XI	19	30	37-38	78.5	22.5	179	UM-006-2-SL011-...
6	Self-sealing adaptor (male)	13 mm	XI	19	30	37-38	79	22.5	187	UM-006-2-SL013-...
6	Self-sealing adaptor (male)	BSPP 1/4"	I	19	11	37-38	60	22.5	170	UM-006-2-WR013-...
6	Self-sealing adaptor (male)	BSPP 3/8"	I	19	12	37-38	61	22.5	178	UM-006-2-WR017-...
6	Self-sealing adaptor (male)	BSPP 1/4"	II	19	13	37-38	58.5	22.5	179	UM-006-2-WR513-...
12	Self-sealing coupling (female)	16 mm M 38 x 1.5	XI	32	35	55-66	103.5		1,764	UM-012-0-SL016-...
12	Self-sealing coupling (female)	BSPP 1/2" M 38 x 1.5	I	32	15	55-66	83.5		1,752	UM-012-0-WR021-...
12	Self-sealing coupling (female)	BSPP 3/4" M 38 x 1.5	I	32	17	55-66	85.5		1,766	UM-012-0-WR026-...
12	Self-sealing coupling (female)	BSPP 1/2" M 38 x 1.5	II	32	17	55-66	82.5		1,797	UM-012-0-WR521-...
12	Self-sealing coupling (female)	BSPP 3/4" M 38 x 1.5	II	32	19	55-66	84.5		1,766	UM-012-0-WR526-...
12	Self-sealing adaptor (male)	16 mm	XI	32	35	55-56	104	33	896	UM-012-2-SL016-...
12	Self-sealing adaptor (male)	BSPP 1/2"	I	32	15	55-56	84	33	884	UM-012-2-WR021-...
12	Self-sealing adaptor (male)	BSPP 3/4"	I	32	17	55-56	86	33	898	UM-012-2-WR026-...
12	Self-sealing adaptor (male)	BSPP 1/2"	II	32	17	55-56	83	33	926	UM-012-2-WR521-...
12	Self-sealing adaptor (male)	BSPP 3/4"	II	32	19	55-56	85	33	898	UM-012-2-WR526-...

NB - Nominal bore [mm] A / A1 - Connection SW - Wrench size [mm] T - Thread length [mm] D - Diameter [mm] L - Length [mm] N - Adaptor length [mm] Weight [g]