

## Series BF

### Technical information

Nominal bore [mm]	Cv value		Q [L/min] water 20 °C, Δp = 1 bar / 15 psi		Q [m³/h] air 6 bar abs / 87 psia, 20 °C, Δp = 1 bar / 15 psi		p max. permissible static [bar / psi]
	EA	BA	EA	BA	EA	BA	
							Stainless Steel
							coupled
5		0.80		11.42		40.49	64 / 928
9		4.00		57.12		202.43	64 / 928
12		8.00		114.25		404.85	64 / 928
25		14.70		209.93		743.92	40 / 580
50		59.50		849.72		3,011.11	16 / 232

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.

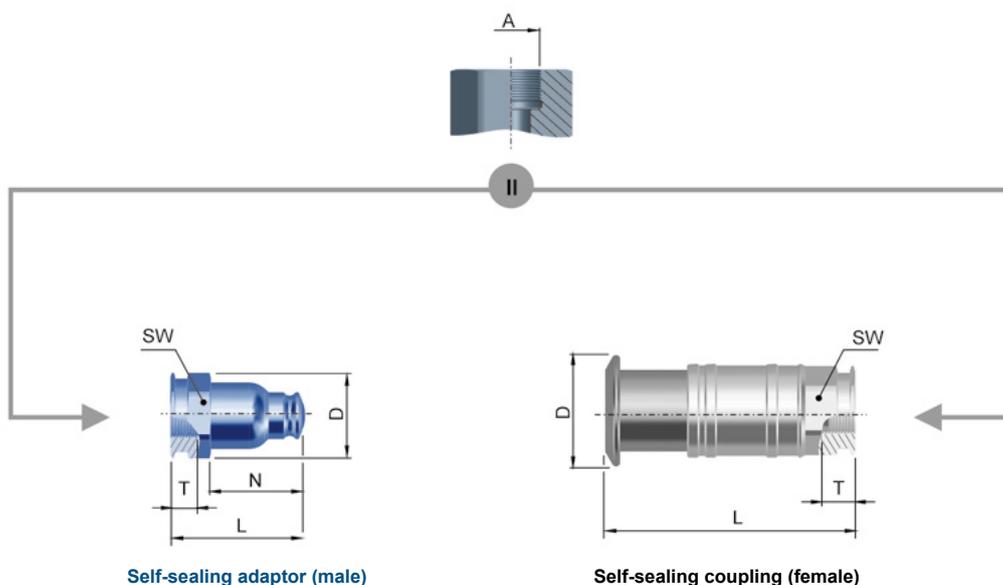
The maximum permissible operating pressures specified here (p max. permissible static) for the quick coupling systems apply exclusively to the materials stated by us and operation with Group II media according to Directive 2014/68/EU. The use of optional materials, other media (especially media from Group I) or other temperature ranges can lead to deviating maximum permissible operating pressures and must be requested separately at your supplier or directly at WALTHER-PRÄZISION.

Please note that both the maximum permissible operating pressure of the quick coupling system and the maximum permissible operating pressure of the connection must be considered in determining the plant operating pressure. Our safety instructions must be followed. You can find the safety instructions on page 22 of this catalogue.

If you have additional questions or need further information, please consult either your supplier or WALTHER-PRÄZISION directly.

◀◀ To view the performance diagram please click here.

To view the connection description ▶▶▶ please click here.



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### Product design features

**Intended use:** Low pressure clean break quick coupling system for the most demanding applications, with ball face valves and cleaning position for easy cleaning, for the transmission of fluid media in an industrial / commercial environment, especially for the chemical industry and their chemically demanding acidic or alkaline products.

Properties	Materials	Seals	Additional options
<ul style="list-style-type: none"> <li>- Low leakage volume during disconnection</li> <li>- Minimal air inclusion when connecting</li> <li>- Automatic locking (One-hand operation)</li> </ul> <p>NW 25 and 50: With valve lever function: Locking and valve opening are separate</p>	<p>01 = Stainless steel 1.4404/1.4571 or similar</p> <p><b>Optional</b> Version for nitric acid</p>	<p>2 = FKM 4 = EPDM</p> <p><b>Optional</b> FFKM</p>	<p>BB = 3.1 production EF = 1935/2004-compliant EX = ATEX-compliant FD = FDA-compliant FF = Oil- and grease-free FL = free from paint wetting impairment substances TA = in line with TA-Luft UC = according to USP class VI</p>

**Note:** Residual leakage quantities or coupling ingress volumes on request.

### Order number configuration

**BF-005-0-WR513-Material-Seal-Additional options-Y./-Z..**

### Product chart



NB	Product type	A	Design	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
5	Self-sealing coupling (female)	BSPP 1/4"	II	22	13	29	68.5		165	BF-005-0-WR513-...-
5	Self-sealing adaptor (male)	BSPP 1/4"	II	22	13	24.5	37.5	23.5	50	BF-005-2-WR513-...-
9	Self-sealing coupling (female)	BSPP 1/2"	II	32	17	44	122		630	BF-009-0-WR521-...-
9	Self-sealing adaptor (male)	BSPP 1/2"	II	32	17	35.7	68	47.8	190	BF-009-2-WR521-...-

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

## Series BF

### Product chart

NB	Product type	A	Design	SW	T	D	L	N	Weight Stainless steel	Material-neutral part number
12	Self-sealing coupling (female)	BSPP 3/4"	II	46	19	64	143		1,300	BF-012-0-WR526-...-
12	Self-sealing adaptor (male)	BSPP 3/4"	II	46	19	51.2	78	54.2	440	BF-012-2-WR526-...-
25	Self-sealing coupling (female)	BSPP 1 1/2"	II	55	25	96	159		4,500	BF-025-0-WR548-...-
25	Self-sealing adaptor (male)	BSPP 1"	II	41	31.5	68	131	55.6	1,300	BF-025-2-WR533-...-
50	Self-sealing coupling (female)	BSPP 2 1/2"	II	95	33	137	223		15,200	BF-050-0-WR575-...-
50	Self-sealing adaptor (male)	BSPP 2"	II	75	35	114	195	80.8	5,350	BF-050-2-WR560-...-

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

