

**7** = 38 mm<sup>2</sup>



**48**



#### Other designs in series 48

The following other designs can be found from page:

► Medical Technology (BT-Serie) P. 268






#### Technische Informationen

Coupling series made of POM and PVDF has been developed for use in the medical, chemical, food handling, pharmaceutical and laboratory technology industries. The system is also available in a solid plastic design (RectuChem+). Here the metal springs are replaced by springs made of PEEK, an extremely resistant synthetic material. Coupling system with single-hand operation. The color coding of the coupling and plug offers a guarantee for avoiding mix-ups between media when coupling. The coupling is also available with no valve for a straight-through system.

#### Working Temperature

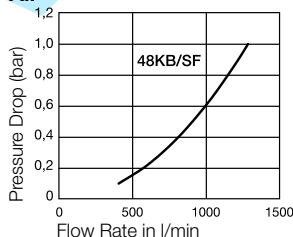
-20°C up to +80°C (POM)  
-20°C up to +120°C (PVDF)  
depending on the medium.

Other seal variants are available on request (FKM, EPDM, FFKM).

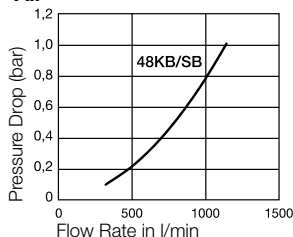
RectuPOM	RectuChem	RectuChem+
<b>Working Pressure**</b> 0-10 bar (POM, at 20°C) ** maximum static working pressure with safety factor 4 to 1.		
<b>Material</b> <b>Coupling:</b> POM black <b>Plug:</b> POM black <b>Seals:</b> NBR		
<b>Valve types</b>		
 single shut-off  double shut-off	 single shut-off  double shut-off	 double shut-off

#### Flow diagrams

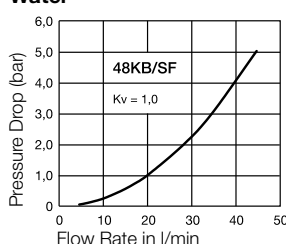
##### Air



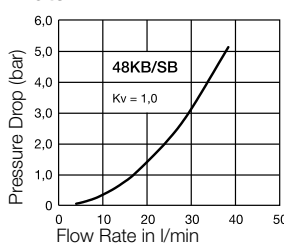
##### Air



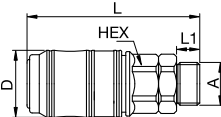
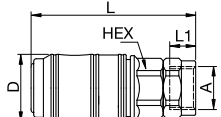
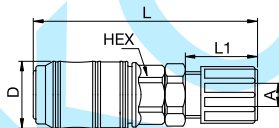
##### Water

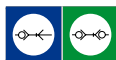


##### Water





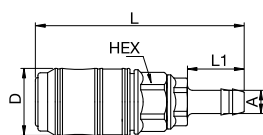
	Connection A	HEX mm	L mm	L1 mm	D mm	Color Sleeve	Part Number POM	Part Number CHEM	Part Number CHEM+
 <p>Male Thread</p>	G 1/4	21	70,5	9	26	Standard	48KBAW13DPX	48KBAW13FVX	48KBAW13FVP
	G 1/4	21	70,5	9	26	blue	48KBAW13DPXB	48KBAW13FVXB	
	G 1/4	21	70,5	9	26	green	48KBAW13DPXG	48KBAW13FVXG	
	G 1/4	21	70,5	9	26	red	48KBAW13DPXR	48KBAW13FVXR	
	G 1/4	21	70,5	9	26	yellow	48KBAW13DPXY	48KBAW13FVXY	
	G 3/8	21	67	9	26	Standard	48KBAW17DPX	48KBAW17FVX	48KBAW17FVP
	G 3/8	21	67	9	26	blue	48KBAW17DPXB	48KBAW17FVXB	48KBAW17FVPB
	G 3/8	21	67	9	26	green	48KBAW17DPXG	48KBAW17FVXG	48KBAW17FVPG
	G 3/8	21	67	9	26	red	48KBAW17DPXR	48KBAW17FVXR	48KBAW17FVPR
	G 3/8	21	67	9	26	yellow	48KBAW17DPXY	48KBAW17FVXY	48KBAW17FVPY
	G 1/2	21	73,5	12	26	Standard	48KBAW21DPX	48KBAW21FVX	48KBAW21FVP
	G 1/2	21	73,5	12	26	blue	48KBAW21DPXB	48KBAW21FVXB	
	G 1/2	21	73,5	12	26	green	48KBAW21DPXG	48KBAW21FVXG	
	G 1/2	21	73,5	12	26	red	48KBAW21DPXR	48KBAW21FVXR	
	G 1/2	21	73,5	12	26	yellow	48KBAW21DPXY	48KBAW21FVXY	
 <p>Female Thread</p>	G 1/4	21	63,5	10	26	Standard	48KBIW13DPX	48KBIW13FVX	48KBIW13FVP
	G 1/4	21	63,5	10	26	blue	48KBIW13DPXB	48KBIW13FVXB	48KBIW13FVPB
	G 1/4	21	63,5	10	26	green	48KBIW13DPXG	48KBIW13FVXG	48KBIW13FVPG
	G 1/4	21	63,5	10	26	red	48KBIW13DPXR	48KBIW13FVXR	48KBIW13FVPR
	G 1/4	21	63,5	10	26	yellow	48KBIW13DPXY	48KBIW13FVXY	48KBIW13FVPY
	G 3/8	21	63,5	13	26	Standard	48KBIW17DPX	48KBIW17FVX	48KBIW17FVP
	G 3/8	21	63,5	13	26	blue	48KBIW17DPXB	48KBIW17FVXB	
	G 3/8	21	63,5	13	26	green	48KBIW17DPXG	48KBIW17FVXG	
	G 3/8	21	63,5	13	26	red	48KBIW17DPXR	48KBIW17FVXR	
	G 3/8	21	63,5	13	26	yellow	48KBIW17DPXY	48KBIW17FVXY	
	G 1/2	21	74,5	13	26	Standard	48KBIW21DPX	48KBIW21FVX	48KBIW21FVP
	G 1/2	21	74,5	13	26	blue	48KBIW21DPXB	48KBIW21FVXB	
	G 1/2	21	74,5	13	26	green	48KBIW21DPXG	48KBIW21FVXG	
	G 1/2	21	74,5	13	26	red	48KBIW21DPXR	48KBIW21FVXR	
	G 1/2	21	74,5	13	26	yellow	48KBIW21DPXY	48KBIW21FVXY	
 <p>for PVDF- and PE-Hoses</p>	6 x 8 mm	21	80	21	26	Standard		48KBKP08FVX	48KBKP08FVP
	9 x 12 mm	21	87	28	26	Standard		48KBKP12FVX	48KBKP12FVP
	10 x 12 mm	21	87	28	26	Standard		48KBKP12FVXS	48KBKP12FVPS



## Couplings – with valve

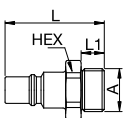
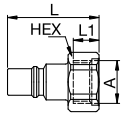
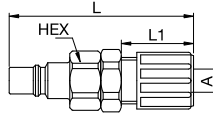
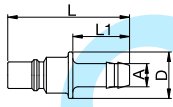
## Series 48KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Color Sleeve	Part Number POM	Part Number CHEM	Part Number CHEM+
	6 mm	21	81	22	26	Standard	48KBTF06DPX	48KBTF06FVX	48KBTF06FVP
	6 mm	21	81	22	26	blue	48KBTF06DPXB	48KBTF06FVXB	48KBTF06FVPB
	6 mm	21	81	22	26	green	48KBTF06DPXG	48KBTF06FVXG	48KBTF06FVPG
	6 mm	21	81	22	26	red	48KBTF06DPXR	48KBTF06FVXR	48KBTF06FVPR
	6 mm	21	81	22	26	yellow	48KBTF06DPXY	48KBTF06FVXY	48KBTF06FVPY
	9 mm	21	81	22	26	Standard	48KBTF09DPX	48KBTF09FVX	48KBTF09FVP
	9 mm	21	81	22	26	blue	48KBTF09DPXB	48KBTF09FVXB	48KBTF09FVPB
	9 mm	21	81	22	26	green	48KBTF09DPXG	48KBTF09FVXG	48KBTF09FVPG
	9 mm	21	81	22	26	red	48KBTF09DPXR	48KBTF09FVXR	48KBTF09FVPR
	9 mm	21	81	22	26	yellow	48KBTF09DPXY	48KBTF09FVXY	48KBTF09FVPY
	13 mm	21	84	25	26	Standard	48KBTF13DPX	48KBTF13FVX	48KBTF13FVP
	13 mm	21	84	25	26	blue	48KBTF13DPXB	48KBTF13FVXB	
	13 mm	21	84	25	26	green	48KBTF13DPXG	48KBTF13FVXG	
	13 mm	21	84	25	26	red	48KBTF13DPXR	48KBTF13FVXR	
	13 mm	21	84	25	26	yellow	48KBTF13DPXY	48KBTF13FVXY	



Hose Barb

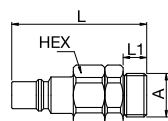


	Connection A	HEX mm	L mm	L1 mm	D mm	Color Sleeve	Part Number POM	Part Number CHEM	Part Number CHEM+
 <p>Male Thread</p>	G 1/4	17	38,5	9		Standard	48SFAW13DXX	48SFAW13FXX	
	G 3/8	21	38,5	9		Standard	48SFAW17DXX	48SFAW17FXX	
	G 3/8	21	38,5	9		blue		48SFAW17FVXB	
	G 3/8	21	38,5	9		green		48SFAW17FVXG	
	G 3/8	21	38,5	9		red		48SFAW17FVXR	
	G 3/8	21	38,5	9		yellow		48SFAW17FVXY	
	G 1/2	21	41,5	12		Standard	48SFAW21DXX	48SFAW21FXX	
 <p>Female Thread</p>	G 1/4	17	35,5	9		Standard	48SFIW13DXX	48SFIW13FXX	
	G 1/4	17	35,5	9		blue	48SFIW13DPXB		
	G 1/4	17	35,5	9		green	48SFIW13DPXG		
	G 1/4	17	35,5	9		red	48SFIW13DPXR		
	G 1/4	17	35,5	9		yellow	48SFIW13DPXY		
	G 3/8	21	35,5	10		Standard	48SFIW17DXX	48SFIW17FXX	
	G 3/8	21	35,5	10		blue	48SFIW17DXXB	48SFIW17FXXB	
	G 3/8	21	35,5	10		green	48SFIW17DXXG	48SFIW17FXXG	
	G 3/8	21	35,5	10		red	48SFIW17DXXR	48SFIW17FXXR	
	G 3/8	21	35,5	10		yellow	48SFIW17DXXY	48SFIW17FXXY	
	G 1/2	24	59	13		Standard	48SFIW21DXX	48SFIW21FXX	
 <p>for PVDF- and PE-Hoses</p>	6 x 8 mm	21	64,5	21		Standard		48SFKP08FVX	
	9 x 12 mm	21	71,5	28		Standard		48SFKP12FVX	
	10 x 12 mm	21	71,5	28		Standard		48SFKP12FVXS	
 <p>Hose Barb</p>	6 mm		47	22	18	Standard	48SFTF06DXX	48SFTF06FXX	
	6 mm		47	22	18	blue		48SFTF06FVXB	
	6 mm		47	22	18	green		48SFTF06FVXG	
	6 mm		47	22	18	red		48SFTF06FVXR	
	6 mm		47	22	18	yellow		48SFTF06FVXY	
	9 mm		47	22	18	Standard	48SFTF09DXX	48SFTF09FXX	
	9 mm		47	22	18	blue	48SFTF09DPXB	48SFTF09FVXB	
	9 mm		47	22	18	green	48SFTF09DPXG	48SFTF09FVXG	
	9 mm		47	22	18	red	48SFTF09DPXR	48SFTF09FVXR	
	9 mm		47	22	18	yellow	48SFTF09DPXY	48SFTF09FVXY	
	13 mm		50	25	18	Standard	48SFTF13DXX	48SFTF13FXX	

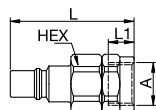


## Plugs – with valve

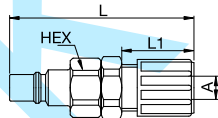
## Series 48SB



Male Thread

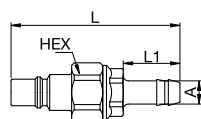


Female Thread



for PVDF- and PE-Hoses

Connection A	HEX mm	L mm	L1 mm	D mm	Color Sleeve	Part Number POM	Part Number CHEM	Part Number CHEM+
G 1/4	21	55	9		Standard	48SBAW13DPX	48SBAW13FVX	48SBAW13FVP
G 1/4	21	55	9		blue	48SBAW13DPXB	48SBAW13FVXB	48SBAW13FVPB
G 1/4	21	55	9		green	48SBAW13DPXG	48SBAW13FVXG	48SBAW13FVPG
G 1/4	21	55	9		red	48SBAW13DPXR	48SBAW13FVXR	48SBAW13FVPR
G 1/4	21	55	9		yellow	48SBAW13DPXY	48SBAW13FVXY	48SBAW13FVPY
G 3/8	21	51,5	9		Standard	48SBAW17DPX	48SBAW17FVX	48SBAW17FVP
G 3/8	21	51,5	9		blue	48SBAW17DPXB	48SBAW17FVXB	48SBAW17FVPB
G 3/8	21	51,5	9		green	48SBAW17DPXG	48SBAW17FVXG	48SBAW17FVPG
G 3/8	21	51,5	9		red	48SBAW17DPXR	48SBAW17FVXR	48SBAW17FVPR
G 3/8	21	51,5	9		yellow	48SBAW17DPXY	48SBAW17FVXY	48SBAW17FVPY
G 1/2	21	58	12		Standard	48SBAW21DPX	48SBAW21FVX	48SBAW21FVP
G 1/2	21	58	12		blue	48SBAW21DPXB	48SBAW21FVXB	
G 1/2	21	58	12		green	48SBAW21DPXG	48SBAW21FVXG	
G 1/2	21	58	12		red	48SBAW21DPXR	48SBAW21FVXR	
G 1/2	21	58	12		yellow	48SBAW21DPXY	48SBAW21FVXY	
G 1/4	21	48	10		Standard	48SBIW13DPX	48SBIW13FVX	48SBIW13FVP
G 1/4	21	48	10		blue	48SBIW13DPXB		
G 1/4	21	48	10		green	48SBIW13DPXG		
G 1/4	21	48	10		red	48SBIW13DPXR		
G 1/4	21	48	10		yellow	48SBIW13DPXY		
G 3/8	21	48	10		Standard	48SBIW17DPX	48SBIW17FVX	48SBIW17FVP
G 3/8	21	48	10		blue	48SBIW17DPXB	48SBIW17FVXB	
G 3/8	21	48	10		green	48SBIW17DPXG	48SBIW17FVXG	
G 3/8	21	48	10		red	48SBIW17DPXR	48SBIW17FVXR	
G 3/8	21	48	10		yellow	48SBIW17DPXY	48SBIW17FVXY	
G 1/2	21	59	13		Standard	48SBIW21DPX	48SBIW21FVX	48SBIW21FVP
G 1/2	21	59	13		blue	48SBIW21DPXB	48SBIW21FVXB	
G 1/2	21	59	13		green	48SBIW21DPXG	48SBIW21FVXG	
G 1/2	21	59	13		red	48SBIW21DPXR	48SBIW21FVXR	
G 1/2	21	59	13		yellow	48SBIW21DPXY	48SBIW21FVXY	
6 x 8 mm	21	64,5	21		Standard		48SBKP08FVX	48SBKP08FVP
9 x 12 mm	21	71,5	28		Standard		48SBKP12FVX	48SBKP12FVP
10 x 12 mm	21	71,5	28		Standard		48SBKP12FVXS	48SBKP12FVPS



Hose Barb

Connection A	HEX mm	L mm	L1 mm	D mm	Color Sleeve	Part Number POM	Part Number CHEM	Part Number CHEM+
6 mm	21	65,5	22		Standard	48SBTF06DPX	48SBTF06FVX	48SBTF06FVP
6 mm	21	65,5	22		blue		48SBF06FVXB	
6 mm	21	65,5	22		green		48SBTF06FVXG	
6 mm	21	65,5	22		red		48SBTF06FVXR	
6 mm	21	65,5	22		yellow		48SBTF06FVXY	
9 mm	21	65,5	22		Standard	48SBTF09DPX	48SBTF09FVX	48SBTF09FVP
9 mm	21	65,5	22		blue	48SBTF09DPXB	48SBTF09FVXB	
9 mm	21	65,5	22		green	48SBTF09DPXG	48SBTF09FVXG	
9 mm	21	65,5	22		red	48SBTF09DPXR	48SBTF09FVXR	
9 mm	21	65,5	22		yellow	48SBTF09DPXY	48SBTF09FVXY	
13 mm	21	68,5	25		Standard	48SBTF13DPX	48SBTF13FVX	48SBTF13FVP
13 mm	21	68,5	25		blue	48SBTF13DPXB	48SBTF13FVXB	
13 mm	21	68,5	25		green	48SBTF13DPXG	48SBTF13FVXG	
13 mm	21	68,5	25		red	48SBTF13DPXR	48SBTF13FVXR	
13 mm	21	68,5	25		yellow	48SBTF13DPXY	48SBTF13FVXY	