

Nominal Diameter

7 = 38 mm²


Rectus Series

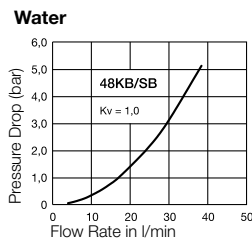
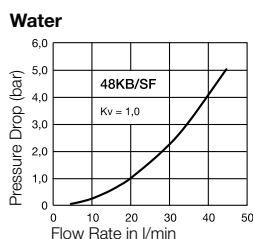
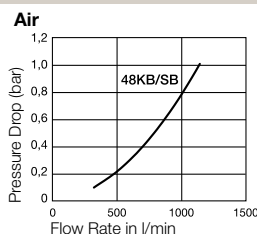
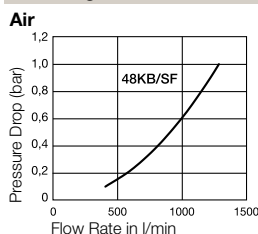
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Coupling series made of POM and PVDF has been developed for use in the medical, chemical, food handling, pharmaceutical and laboratory technology industries. The system is also available in a solid plastic design (RectuChem+). Here the metal springs 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).

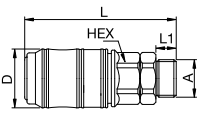
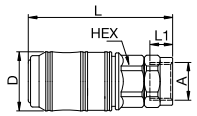
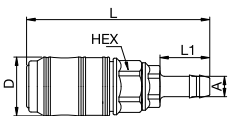
RectuPOM	RectuChem	RectuChem+
Working Pressure**		
0-10 bar (POM, at 20°C) ** maximum static working pressure with design factor 4 to 1.	0-8 bar (PVDF, with metal springs)	1-8 bar (PVDF, with PEEK-spring)
Material		
Coupling: POM black Plug: POM black Seals: NBR	Coupling: PVDF white Plug: PVDF white Seals: FKM	Coupling: PVDF white, PEEK-spring Plug: PVDF white, PEEK-spring Seals: FKM
Technical Description		
Connecting Force 0 bar (KA): 40 N Connecting Force 6 bar (KA): 100 N Vacuum Coupling (KA): 87% Vacuum connected (KA): 87%	Connecting Force 0 bar (KA): 40 N Connecting Force 6 bar (KA): 100 N Vacuum Coupling (KA): 87% Vacuum connected (KA): 87%	Connecting Force 0 bar (KA): 40 N Connecting Force 6 bar (KA): 100 N Vacuum Coupling (KA): 87% Vacuum connected (KA): 87%
Dead space volume (KB): 0,9 ml Connecting Force 0 bar (KB): 60 N Connecting Force 6 bar (KB): 120 N	Dead space volume (KB): 0,9 ml Connecting Force 0 bar (KB): 60 N Connecting Force 6 bar (KB): 120 N	Dead space volume (KB): 0,9 ml Connecting Force 0 bar (KB): 60 N Connecting Force 6 bar (KB): 120 N
Valve types		
single shut-off	single shut-off	
double shut-off	double shut-off	double shut-off

Flow diagrams




Couplings – with valve

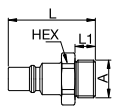
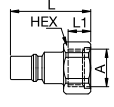
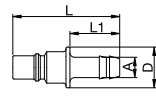
Series 48KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Color Sleeve	Part Number POM	Part Number CHEM	Part Number CHEM+
 Male Thread	G 1/4	21	70,5	9	26	Standard	48KBAW13DPX		
	G 3/8	21	67	9	26	Standard	48KBAW17DPX	48KBAW17FVX	48KBAW17FVP
	G 1/2	21	73,5	12	26	Standard	48KBAW21DPX	48KBAW21FVX	
 Female Thread	G 1/4	21	63,5	10	26	Standard	48KBIW13DPX	48KBIW13FVX	48KBIW13FVP
	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	
 Hose Barb	6 mm	21	81	22	26	Standard			48KBTf06FVP
	9 mm	21	81	22	26	Standard	48KBTf09DPX	48KBTf09FVX	48KBTf09FVP
	13 mm	21	84	25	26	Standard	48KBTf13DPX	48KBTf13FVX	



Plugs – without valve

Series 48SF

	Connection A	HEX mm	L mm	L1 mm	D mm	Color Sleeve	Part Number POM	Part Number CHEM	Part Number CHEM+
 Male Thread	G 1/4	17	38,5	9		Standard	48SFAW13DXX	48SFAW13FXX	
	G 3/8	21	38,5	9		Standard	48SFAW17DXX	48SFAW17FXX	
	G 1/2	21	41,5	12		Standard		48SFAW21FXX	
 Female Thread	G 1/4	17	35,5	9		Standard	48SFIW13DXX		
	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	
 Hose Barb	6 mm		47	22	18	Standard		48SFTf06FXX	
	9 mm		47	22	18	Standard	48SFTf09DXX	48SFTf09FXX	
	13 mm		50	25	18	Standard	48SFTf13DXX	48SFTf13FXX	

⚠ Please consider our security advices on the pages 12/13 ⚠

Thermoplastic

Low Pressure


Plugs – with valve
Series 48SB

	Connection A	HEX mm	L mm	L1 mm	D mm	Color Sleeve	Part Number POM	Part Number CHEM	Part Number CHEM+
 Male Thread	G 1/4	21	55	9		Standard	48SBAW13DPX		48SBAW13FVP
	G 3/8	21	51,5	9		Standard	48SBAW17DPX	48SBAW17FVX	
 Female Thread	G 1/4	21	48	10		Standard	48SBIW13DPX		
	G 3/8	21	48	10		Standard	48SBIW17DPX		48SBIW17FVP
	G 3/8	21	48	10		blue	48SBIW17DPXB		
	G 3/8	21	48	10		green	48SBIW17DPXG		
	G 3/8	21	48	10		red	48SBIW17DPXR		
	G 3/8	21	48	10		yellow	48SBIW17DPXY		
	G 1/2	21	59	13		Standard		48SBIW21FVX	
	G 1/2	21	59	13		blue		48SBIW21FVXB	
	G 1/2	21	59	13		green		48SBIW21FVXG	
 Hose Barb	G 1/2	21	59	13		red		48SBIW21FVXR	
	G 1/2	21	59	13		yellow		48SBIW21FVXY	
	6 mm	21	65,5	22		Standard	48SBTF06DPX		
	9 mm	21	65,5	22		Standard	48SBTF09DPX	48SBTF09FVX	
	9 mm	21	65,5	22		blue		48SBTF09FVXB	
	9 mm	21	65,5	22		green		48SBTF09FVXG	
	9 mm	21	65,5	22		red		48SBTF09FVXR	
9 mm	21	65,5	22		yellow		48SBTF09FVXY		
	13 mm	21	68,5	25		Standard	48SBTF13DPX	48SBTF13FVX	48SBTF13FVP