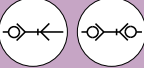




Mini industrial coupling in plastics POM and PVDF with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous media. Coupling system with single-hand operation. This new type of plastic locking system with handy sleeve considerably expands the applications of this series. Two sleeve forms - tapered and cylindrical, where the tapered sleeve form facilitates handling with gloves. The color coding of the coupling and plug offers a guarantee for avoiding mix-ups between media when coupling.

- Available valve types:
 - Single Shut-off
 - Double Shut-off



RectuPOM

Working Pressure*:
up to 10 bar (POM, at 20°C)

Material:

- Coupling: POM black
- Plug: POM black
- Seals: NBR

Working Temperature:
-20°C up to +80°C (POM)

Flow Rate Air:

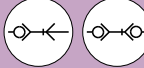
- Single Shut-Off: 550 l/min.
- Double Shut-Off: 310 l/min.

inlet pressure 6 bar, pressure drop 0.5 bar

Flow Rate Water:

- Single Shut-Off: 7 l/min.
- Double Shut-Off: 2.7 l/min.

pressure drop 0.5 bar



RectuChem

Working Pressure*:
up to 8 bar (PVDF, at 20°C)

Material:

- Coupling: PVDF white
- Plug: PVDF white
- Seals: FKM

Working Temperature:
-20°C up to +120°C (PVDF)

Flow Rate Air:

- Single Shut-Off: 550 l/min.
- Double Shut-Off: 310 l/min.

inlet pressure 6 bar, pressure drop 0.5 bar

Flow Rate Water:

- Single Shut-Off: 7 l/min.
- Double Shut-Off: 2.7 l/min.

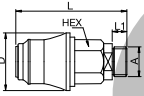
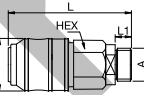
pressure drop 0.5 bar

* maximum static working pressure with design factor 4 to 1.

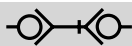
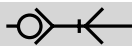


Single Shut-Off / Double Shut-off



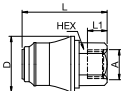
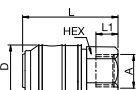
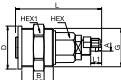
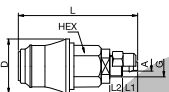
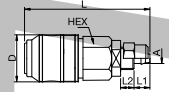
	Connection A	HEX	HEX1	L	L1	L2	D	B	G	Color Sleeve	Part Number POM	Part Number CHEM
 21KBAW Coupler with valve, Male Thread with tapered sleeve	G1/8	17		50	7		25.5			Standard	21KBAW10DPX	21KBAW10FVX
	G1/4	17		50	7		25.5			Standard	21KBAW13DPX	21KBAW13FVX
 21KBAW Coupler with valve, Male Thread with cylindrical sleeve	G1/8	17		50	7		21			Blue	21KBAW10DPXGB	21KBAW10FVXGB
	G1/8	17		50	7		21			Red	21KBAW10DPXGR	21KBAW10FVXGR
	G1/8	17		50	7		21			Standard	21KBAW10DPXG	21KBAW10FVXG
	G1/4	17		50	7		21			Blue	21KBAW13DPXGB	21KBAW13FVXGB
	G1/4	17		50	7		21			Red	21KBAW13DPXGR	21KBAW13FVXGR
	G1/4	17		50	7		21			Standard	21KBAW13DPXG	21KBAW13FVXG

Series 21 - Thermoplastic

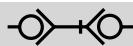
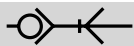


Single Shut-Off / Double Shut-off



	Connection A	HEX	HEX1	L	L1	L2	D	B	G	Color Sleeve	Part Number POM	Part Number CHEM
 21KBIW Coupler with valve, Female Thread with tapered sleeve	G1/8	17		53	8		25.5			Standard	21KBIW10DPX	21KBIW10FVX
	G1/4	17		39	9		25.5			Standard	21KBIW13DPX	21KBIW13FVX
 21KBIW Coupler with valve, Female Thread with cylindrical sleeve	G1/8	17		53	8		21			Blue	21KBIW10DPXGB	21KBIW10FVXGB
	G1/8	17		53	8		21			Red	21KBIW10DPXGR	21KBIW10FVXGR
	G1/8	17		53	8		21			Standard	21KBIW10DPXG	21KBIW10FVXG
	G1/4	17		39	9		21			Blue	21KBIW13DPXGB	21KBIW13FVXGB
	G1/4	17		39	9		21			Red	21KBIW13DPXGR	21KBIW13FVXGR
	G1/4	17		39	9		21			Standard	21KBIW13DPXG	21KBIW13FVXG
 21KBKE Coupler with valve, Panel Mount for Plastic Hose Connection for Front Panel Installation	4 x 6	17	27	56	7	20.5	28	7	M25x1	Standard	21KBKE06DPX	21KBKE06FVX
	6 x 8	17	27	56	7	20.5	28	7	M25x1	Standard	21KBKE08DPX	21KBKE08FVX
 21KBKO Coupler with valve, with Plastic Hose Connection with tapered sleeve	4 x 6	17		56	6	7	25.5		M10x1	Standard	21KBK006DPX	21KBK006FVX
	6 x 8	17		56	6	7	25.5		M12x1	Standard	21KBK008DPX	21KBK008FVX
 21KBKO Coupler with valve, with Plastic Hose Connection with cylindrical sleeve	4 x 6	17		56	6	7	21			Blue	21KBK006DPXGB	21KBK006FVXGB
	4 x 6	17		56	6	7	21			Red	21KBK006DPXGR	21KBK006FVXGR
	4 x 6	17		56	6	7	21			Standard	21KBK006DPXG	21KBK006FVXG
	6 x 8	17		56	6	7	21			Blue	21KBK008DPXGB	21KBK008FVXGB
	6 x 8	17		56	6	7	21			Red	21KBK008DPXGR	21KBK008FVXGR
	6 x 8	17		56	6	7	21			Standard	21KBK008DPXG	21KBK008FVXR

Series 21 - Thermoplastic

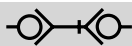
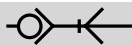


Single Shut-Off / Double Shut-off



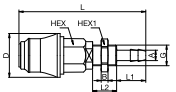
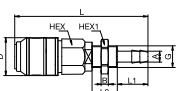
	Connection A	HEX	HEX1	L	L1	L2	D	B	G	Color Sleeve	Part Number POM	Part Number CHEM	
 21KBKS Coupler with valve, Panel Mount with Plastic Hose Connection with tapered sleeve	4 x 6	17	14	68	7	18	25.5	4	M10x1	Standard	21KBKS06DPX	21KBKS06FVX	
	6 x 8	17	17	68	7	18	25.5	4	M12x1	Standard	21KBKS08DPX	21KBKS08FVX	
 21KBKS Coupler with valve, Panel Mount with Plastic Hose Connection with cylindrical sleeve	4 x 6	17	14	68	7	18	21	4	M10x1	Blue	21KBKS06DPXGB	21KBKS06FVXGB	
	4 x 6	17	14	68	7	18	21	4	M10x1	Red	21KBKS06DPXGR	21KBKS06FVXGR	
	4 x 6	17	14	68	7	18	21	4	M10x1	Standard	21KBKS06DPXG	21KBKS06FVXG	
	6 x 8	17	17	68	7	18	21	4	M12x1	Blue	21KBKS08DPXGB	21KBKS08FVXGB	
	6 x 8	17	17	68	7	18	21	4	M12x1	Red	21KBKS08DPXGR	21KBKS08FVXGR	
	6 x 8	17	17	68	7	18	21	4	M12x1	Standard	21KBKS08DPXG	21KBKS08FVXG	
	 21KBTE Coupler with valve, Panel Mount for Hose Barb for Front Panel Installation	4	17	27	60	17	20.5	28	7	M25x1	Standard	21KBTE04DPX	21KBTE04FVX
		6	17	27	60	17	20.5	28	7	M25x1	Standard	21KBTE06DPX	21KBTE06FVX
 21KBTF Coupler with valve, Hose Barb with tapered sleeve		4	17		60	17		25.5			Standard	21KBTF04DPX	21KBTF04FVX
	6	17		60	17		25.5			Standard	21KBTF06DPX	21KBTF06FVX	
 21KBTF Coupler with valve, Hose Barb with cylindrical sleeve	4	17		60	17		21			Blue	21KBTF04DPXGB	21KBTF04FVXGB	
	4	17		60	17		21			Red	21KBTF04DPXGR	21KBTF04FVXGR	
	4	17		60	17		21			Standard	21KBTF04DPXG	21KBTF04FVXG	
	6	17		60	17		21			Blue	21KBTF06DPXGB	21KBTF06FVXGB	
	6	17		60	17		21			Red	21KBTF06DPXGR	21KBTF06FVXGR	
	6	17		60	17		21			Standard	21KBTF06DPXG	21KBTF06FVXG	

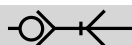
Series 21 - Thermoplastic



Single Shut-Off / Double Shut-off






	Connection A	HEX	HEX1	L	L1	L2	D	B	G	Color Sleeve	Part Number POM	Part Number CHEM
 21KBTS Coupler with valve, Panel Mount with Hose Barb with tapered sleeve	4	17	14	74	17	14	25.5	4	M10x1	Standard	21KBTS04DPX	21KBTS04FVX
	6	17	14	74	17	14	25.5	4	M10x1	Standard	21KBTS06DPX	21KBTS06FVX
 21KBTS Coupler with valve, Panel Mount with Hose Barb with cylindrical sleeve	4	17	14	74	17	14	21	4	M10x1	Blue	21KBTS04DPXGB	21KBTS04FVXGB
	4	17	14	74	17	14	21	4	M10x1	Red	21KBTS04DPXGR	21KBTS04FVXGR
	4	17	14	74	17	14	21	4	M10x1	Standard	21KBTS04DPXG	21KBTS04FVXG
	6	17	17	74	17	14	21	4	M12x1	Blue	21KBTS06DPXGB	21KBTS06FVXGB
	6	17	17	74	17	14	21	4	M12x1	Red	21KBTS06DPXGR	21KBTS06FVXGR
	6	17	17	74	17	14	21	4	M12x1	Standard	21KBTS06DPXG	21KBTS06FVXG

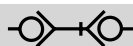
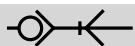


Single Shut-Off



	Connection A	HEX	HEX1	L	L1	L2	D	B	G	Color Sleeve	Part Number POM	Part Number CHEM
 21SFAW Plug without valve, Male Thread	G1/4	17		28	9					Standard	21SFAW13DXX	21SFAW13FXX
	G1/4	17		25	9					Blue	21SFIW13DXXB	21SFIW13FXXB
 21SFIW Plug without valve, Female Thread	G1/4	17		25	9					Red	21SFIW13DXXR	21SFIW13FXXR
	G1/4	17		25	9					Standard	21SFIW13DXX	21SFIW13FXX
 21SFTF Plug without valve, Hose Barb	4			32	17					Standard	21SFTF04DXX	21SFTF04FXX
	6			32	17					Standard	21SFTF06DXX	21SFTF06FXX

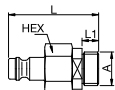
Series 21 - Thermoplastic



Single Shut-Off / Double Shut-off

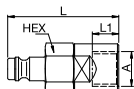


Connection A	HEX	HEX1	L	L1	L2	D	B	G	Color Sleeve	Part Number POM	Part Number CHEM
G1/8	17	36	7						Blue	21SBAW10DPXB	21SBAW10FVXB
G1/8	17	36	7						Red	21SBAW10DPXR	21SBAW10FVXR
G1/8	17	36	7						Standard	21SBAW10DPX	21SBAW10FVX
G1/4	17	38	7						Blue	21SBAW13DPXB	21SBAW13FVXB
G1/4	17	38	7						Red	21SBAW13DPXR	21SBAW13FVXR
G1/4	17	38	7						Standard	21SBAW13DPX	21SBAW13FVX
G1/8	17	39	8						Blue	21SBIW10DPXB	21SBIW10FVXB
G1/8	17	39	8						Red	21SBIW10DPXR	21SBIW10FVXR
G1/8	17	39	8						Standard	21SBIW10DPX	21SBIW10FVX
G1/4	17	42	10						Blue	21SBIW13DPXB	21SBIW13FVXB
G1/4	17	42	10						Red	21SBIW13DPXR	21SBIW13FVXR
G1/4	17	42	10						Standard	21SBIW13DPX	21SBIW13FVX
4 x 6	17	42	7	6					Blue	21SBK006DPXB	21SBK006FVXB
4 x 6	17	42	7	6					Red	21SBK006DPXR	21SBK006FVXR
4 x 6	17	42	7	6					Standard	21SBK006DPX	21SBK006FVX
6 x 8	17	42	7	6					Blue	21SBK008DPXB	21SBK008FVXB
6 x 8	17	42	7	6					Red	21SBK008DPXR	21SBK008FVXR
6 x 8	17	42	7	6					Standard	21SBK008DPX	21SBK008FVX



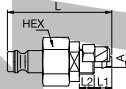
21SBAW

Plug with valve, Male Thread



21SBIW

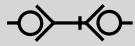
Plug with valve, Female Thread



21SBKO

Plug with valve, with Plastic Hose Connection

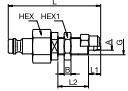
Series 21 - Thermoplastic



Double Shut-Off

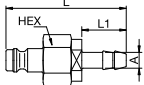


Connection A	HEX	HEX1	L	L1	L2	D	B	G	Color Sleeve	Part Number POM	Part Number CHEM
4 x 6	17	14	54	7	18	4	M10x1	Blue	21SBKS06DPXB	21SBKS06FVXB	
4 x 6	17	14	54	7	18	4	M10x1	Red	21SBKS06DPXR	21SBKS06FVXR	
4 x 6	17	14	54	7	18	4	M10x1	Standard	21SBKS06DPX	21SBKS06FVX	
6 x 8	17	17	54	7	18	4	M12x1	Blue	21SBKS08DPXB	21SBKS08FVXB	
6 x 8	17	17	54	7	18	4	M12x1	Red	21SBKS08DPXR	21SBKS08FVXR	
6 x 8	17	17	54	7	18	4	M12x1	Standard	21SBKS08DPX	21SBKS08FVX	
4	17		46	17				Standard	21SBTF04DPX	21SBTF04FVX	
4	17		46	17				Blue	21SBTF04DPXB	21SBTF04FVXB	
4	17		46	17				Red	21SBTF04DPXR	21SBTF04FVXR	
6	17		46	17				Standard	21SBTF06DPX	21SBTF06FVX	
6	17		46	17				Blue	21SBTF06DPXB	21SBTF06FVXB	
6	17		46	17				Red	21SBTF06DPXR	21SBTF06FVXR	
4	17	14	60	7	14	4	M10x1	Blue	21SBTS04DPXB	21SBTS04FVXB	
4	17	14	60	7	14	4	M10x1	Red	21SBTS04DPXR	21SBTS04FVXR	
4	17	14	60	7	14	4	M10x1	Standard	21SBTS04DPX	21SBTS04FVX	
6	17	17	60	7	14	4	M12x1	Blue	21SBTS06DPXB	21SBTS06FVXB	
6	17	17	60	7	14	4	M12x1	Red	21SBTS06DPXR	21SBTS06FVXR	
6	17	17	60	7	14	4	M12x1	Standard	21SBTS06DPX	21SBTS06FVX	



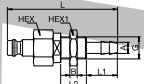
21SBKS

Plug with valve, Panel Mount with Plastic Hose Connection



21SBTF

Plug with valve, Hose Barb

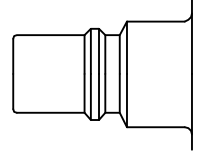


21SBTS

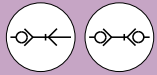
Plug with valve, Panel Mount with Hose Barb



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.



- Available valve types:
 - Single Shut-off
 - Double Shut-off



RectuPOM

Working Pressure*:
up to 10 bar (POM, at 20°C)

Material:

- Coupling: POM black
- Plug: POM black
- Seals: NBR

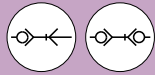
Working Temperature:
-20°C up to +80°C (POM)

Flow Rate Air:

- Single Shut-Off: 1.100 l/min.
 - Double Shut-Off: 770 l/min.
- inlet pressure 6 bar, pressure drop 0.5 bar

Flow Rate Water:

- Single Shut-Off: 17 l/min.
 - Double Shut-Off: 12 l/min.
- pressure drop 0.5 bar



RectuChem

Working Pressure*:
up to 8 bar (PVDF, with metal springs)

Material:

- Coupling: PVDF white
- Plug: PVDF white
- Seals: FKM

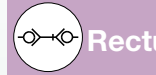
Working Temperature:
-20°C up to +120°C (PVDF)

Flow Rate Air:

- Single Shut-Off: 1.100 l/min.
 - Double Shut-Off: 770 l/min.
- inlet pressure 6 bar, pressure drop 0.5 bar

Flow Rate Water:

- Single Shut-Off: 17 l/min.
 - Double Shut-Off: 12 l/min.
- pressure drop 0.5 bar



RectuChem+

Working Pressure*:
1-8 bar (PVDF, with PEEK-spring)

Material:

- Coupling: PVDF white, PEEK-spring
- Plug: PVDF white, PEEK-spring
- Seals: FKM

Working Temperature:
-20°C up to +120°C (PVDF)

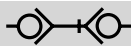
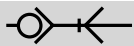
Flow Rate Air:

- Double Shut-Off: 770 l/min.
- inlet pressure 6 bar, pressure drop 0.5 bar

Flow Rate Water:

- Double Shut-Off: 12 l/min.
- pressure drop 0.5 bar

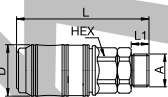
* maximum static working pressure with design factor 4 to 1.



Single Shut-Off / Double Shut-off

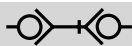
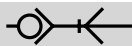


Connection A	HEX	L	L1	D	Color Sleeve	Part Number POM	Part Number CHEM	Part Number CHEM+
G1/4	21	70.5	9	26	Standard	48KBAW13DPX	48KBAW13FVX	48KBAW13FVP
G1/4	21	70.5	9	26	Red	48KBAW13DPXR	48KBAW13FVXR	48KBAW13FVPR
G1/4	21	70.5	9	26	Blue	48KBAW13DPXB	48KBAW13FVXB	48KBAW13FVPB
G3/8	21	67	9	26	Standard	48KBAW17DPX	48KBAW17FVX	48KBAW17FVP
G3/8	21	67	9	26	Red	48KBAW17DPXR	48KBAW17FVXR	48KBAW17FVPR
G3/8	21	67	9	26	Blue	48KBAW17DPXB	48KBAW17FVXB	48KBAW17FVPB
G1/2	21	73.5	12	26	Standard	48KBAW21DPX	48KBAW21FVX	48KBAW21FVP
G1/2	21	73.5	12	26	Red	48KBAW21DPXR	48KBAW21FVXR	48KBAW21FVPR
G1/2	21	73.5	12	26	Blue	48KBAW21DPXB	48KBAW21FVXB	48KBAW21FVPB

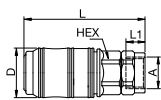


48KBAW
Coupler with valve, Male Thread

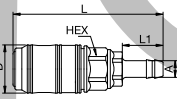
Series 48 - Thermoplastic



Single Shut-Off / Double Shut-off



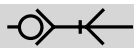
48KBIW
Coupler with valve, Female Thread



48KBTf
Coupler with valve, Hose Barb

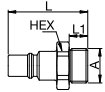
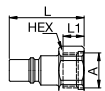
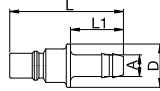
Connection A	HEX	L	L1	D	Color Sleeve	Part Number POM	Part Number CHEM	Part Number CHEM+
G1/4	21	63.5	10	26	Standard	48KBIW13DPX	48KBIW13FVX	48KBIW13FVP
G1/4	21	63.5	10	26	Red	48KBIW13DPXR	48KBIW13FVXR	48KBIW13FVPR
G1/4	21	63.5	10	26	Blue	48KBIW13DPXB	48KBIW13FVXB	48KBIW13FVPB
G3/8	21	63.5	13	26	Standard	48KBIW17DPX	48KBIW17FVX	48KBIW17FVP
G3/8	21	63.5	13	26	Red	48KBIW17DPXR	48KBIW17FVXR	48KBIW17FVPR
G3/8	21	63.5	13	26	Blue	48KBIW17DPXB	48KBIW17FVXB	48KBIW17FVPB
G1/2	21	74.5	13	26	Standard	48KBIW21DPX	48KBIW21FVX	48KBIW21FVP
G1/2	21	74.5	13	26	Red	48KBIW21DPXR	48KBIW21FVXR	48KBIW21FVPR
G1/2	21	74.5	13	26	Blue	48KBIW21DPXB	48KBIW21FVXB	48KBIW21FVPB
6	21	81	22	26	Standard	48KBTf06DPX	48KBTf06FVX	48KBTf06FVP
6	21	81	22	26	Red	48KBTf06DPXR	48KBTf06FVXR	48KBTf06FVPR
6	21	81	22	26	Blue	48KBTf06DPXB	48KBTf06FVXB	48KBTf06FVPB
9	21	81	22	26	Standard	48KBTf09DPX	48KBTf09FVX	48KBTf09FVP
9	21	81	22	26	Red	48KBTf09DPXR	48KBTf09FVXR	48KBTf09FVPR
9	21	81	22	26	Blue	48KBTf09DPXB	48KBTf09FVXB	48KBTf09FVPB
13	21	84	25	26	Standard	48KBTf13DPX	48KBTf13FVX	48KBTf13FVP
13	21	84	25	26	Red	48KBTf13DPXR	48KBTf13FVXR	48KBTf13FVPR
13	21	84	25	26	Blue	48KBTf13DPXB	48KBTf13FVXB	48KBTf13FVPB

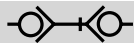
Series 48 - Thermoplastic



Single Shut-Off

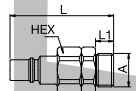


	Connection A	HEX	L	L1	D	Color Sleeve	Part Number POM	Part Number CHEM	Part Number CHEM+
 48SFAW Plug without valve, Male Thread	G3/8	21	38.5	9		Standard	48SFAW17DXX	48SFAW17FXX	
	G3/8	21	35.5	10		Standard	48SFIW17DXX	48SFIW17FXX	
 48SFIW Plug without valve, Female Thread	G3/8	21	35.5	10		Red	48SFIW17DXXR	48SFIW17FXXR	
	G3/8	21	35.5	10		Blue	48SFIW17DXXB	48SFIW17FXXB	
	9		47	22	18	Standard	48SFTF09DXX	48SFTF09FXX	
 48SFTF Plug without valve, Hose Barb									

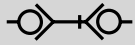


Double Shut-off

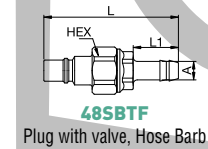
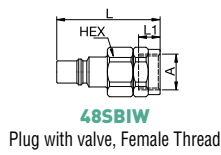


	Connection A	HEX	L	L1	D	Color Sleeve	Part Number POM	Part Number CHEM	Part Number CHEM+
 48SBAW Plug with valve, Male Thread	G1/4	21	55	9		Standard	48SBAW13DPX	48SBAW13FVX	48SBAW13DPX
	G1/4	21	55	9		Red	48SBAW13DPXR	48SBAW13FVXR	48SBAW13DPX
	G1/4	21	55	9		Blue	48SBAW13DPXB	48SBAW13FVXB	48SBAW13DPX
	G3/8	21	51.5	9		Standard	48SBAW17DPX	48SBAW17FVX	48SBAW17FVP
	G3/8	21	51.5	9		Red	48SBAW17DPXR	48SBAW17FVXR	48SBAW17FVPR
	G3/8	21	51.5	9		Blue	48SBAW17DPXB	48SBAW17FVXB	48SBAW17FVPB
	G1/2	21	58	12		Standard	48SBAW21DPX	48SBAW21FVX	48SBAW21FVP
	G1/2	21	58	12		Red	48SBAW21DPXR	48SBAW21FVXR	48SBAW21FVPR
	G1/2	21	58	12		Blue	48SBAW21DPXB	48SBAW21FVXB	48SBAW21FVPB

Series 48 - Thermoplastic



Double Shut-off

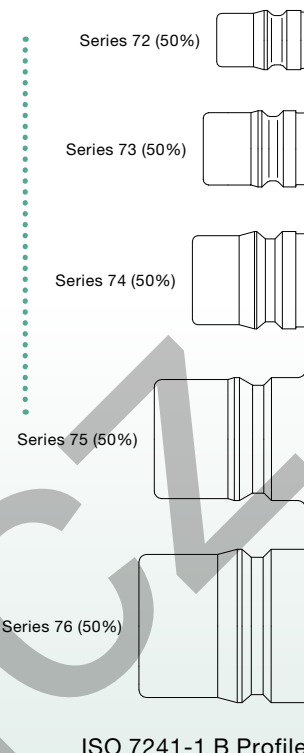


Connection A	HEX	L	L1	D	Color Sleeve	Part Number POM	Part Number CHEM	Part Number CHEM+
G1/4	21	48	10		Standard	48SBIW13DPX	48SBIW13FVX	48SBIW13FVP
G1/4	21	48	10		Red	48SBIW13DPXR	48SBIW13FVXR	48SBIW13FVPR
G1/4	21	48	10		Blue	48SBIW13DPXB	48SBIW13FVXB	48SBIW13FVPB
G3/8	21	48	10		Standard	48SBIW17DPX	48SBIW17FVX	48SBIW17FVP
G3/8	21	48	10		Red	48SBIW17DPXR	48SBIW17FVXR	48SBIW17FVPR
G3/8	21	48	10		Blue	48SBIW17DPXB	48SBIW17FVXB	48SBIW17FVPB
G1/2	21	59	13		Standard	48SBIW21DPX	48SBIW21FVX	48SBIW21FVP
G1/2	21	59	13		Red	48SBIW21DPXR	48SBIW21FVXR	48SBIW21FVPR
G1/2	21	59	13		Blue	48SBIW21DPXB	48SBIW21FVXB	48SBIW21FVPB
6	21	65.5	22		Standard	48SBTF06DPX	48SBTF06FVX	48SBTF06FVP
6	21	65.5	22		Red	48SBTF06DPXR	48SBTF06FVXR	48SBTF06FVPR
6	21	65.5	22		Blue	48SBTF06DPXB	48SBTF06FVXB	48SBTF06FVPB
9	21	65.5	22		Standard	48SBTF09DPX	48SBTF09FVX	48SBTF09FVP
9	21	65.5	22		Red	48SBTF09DPXR	48SBTF09FVXR	48SBTF09FVPR
9	21	65.5	22		Blue	48SBTF09DPXB	48SBTF09FVXB	48SBTF09FVPB
13	21	68.5	25		Standard	48SBTF13DPX	48SBTF13FVX	48SBTF13FVP
13	21	68.5	25		Red	48SBTF13DPXR	48SBTF13FVXR	48SBTF13FVPR
13	21	68.5	25		Blue	48SBTF13DPXB	48SBTF13FVXB	48SBTF13FVPB



Coupling range in sizes from 1/4" to 1" with plug profile in accordance with ISO 7241-1 series B. Particularly suitable for use with liquid media. Coupling system with two-hand operation, i.e. the locking sleeve must be pushed back manually when coupling. The coupling range stands out for its high flow rates against a low pressure drop.

- Available valve type:
 - Double Shut-off



Working Pressure*:

see table

Material:

- Coupling: POM white
- Plug: POM white
- Seals: NBR

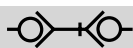
Working Temperature:

-20°C up to +90°C (NBR)

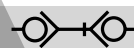
Flow Rate Water:

- Series 72: 9 l/min.
 - Series 73: 17 l/min.
 - Series 74: 33 l/min.
 - Series 75: 79 l/min.
 - Series 76: 117 l/min.
- pressure drop 0.5 bar

* maximum static working pressure with design factor 4 to 1.



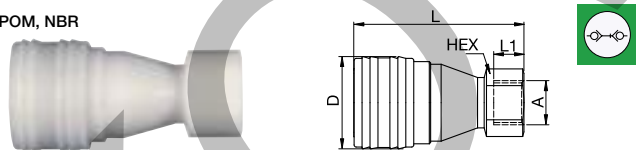
Double Shut-off



Double Shut-off

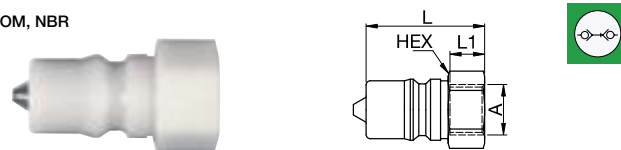
70KBIW Coupler with valve, Female Thread

POM, NBR



70SBIW Plug with valve, Female Thread

POM, NBR



Size	A		HEX	L	L1	D	max. Working Pressure
1/8"	G1/8	71KBIW10DPX	14	48.5	7	25	15
1/4"	G1/4	72KBIW13DPX	19	57.5	10	29	15
3/8"	G3/8	73KBIW17DPX	22	64	11.5	35	15
1/2"	G1/2	74KBIW21DPX	27	76	16	44.5	10
3/4"	G3/4	75KBIW26DPX	34	96	24	55	10
1"	G1	76KBIW33DPX	41	105.5	24	62	10

Size	A		HEX	L	L1	max. Working Pressure
1/8"	G1/8	71SBIW10DPX	14	29.5	7	15
1/4"	G1/4	72SBIW13DPX	19	35	10	15
3/8"	G3/8	73SBIW17DPX	22	39	11.5	15
1/2"	G1/2	74SBIW21DPX	27	48	16	10
3/4"	G3/4	75SBIW26DPX	36	60	24	10
1"	G1	76SBIW33DPX	41	56	24	10



Other designs in series 48

The following other designs can be found from page:

- Thermoplastic P. 240

Technical Description

This coupling series is produced exclusively in materials of medical quality and it is specifically suited to use in medical, biotechnological, pharmaceutical and laboratory technology applications. The main components are molded in a clean room from virgin transparent USP Class VI polysulfone (PSU). The seals are made from platinum cured silicone, the locking pins are stainless steel.

Coupling system with single-hand operation. Audible click to indicate a secure connection. Transparent components allow visual control of the flow path. Completely smooth flow path without any dead spaces prevents cross-contamination. Ergonomic sleeve for easy operation with gloves.

Working Temperature

-20°C up to +148°C



Working Pressure**

0-4,5 bar

** maximum static working pressure with design factor 4 to 1.

Material

Coupling: PSU, transparent, USP Class VI

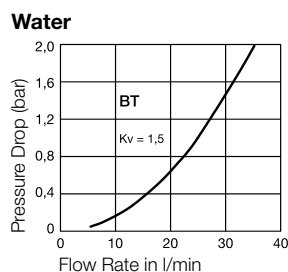
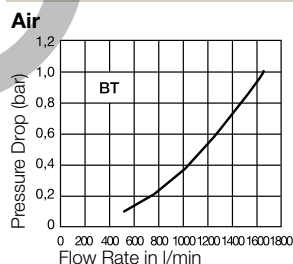
Plug: PSU, transparent, USP Class VI

Seals: Platinum cured silicone, transparent, USP Class VI

Interchangeability

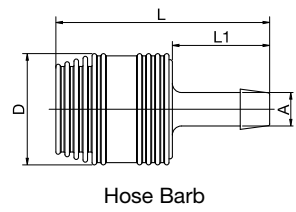
- Rectus 48

Flow diagrams



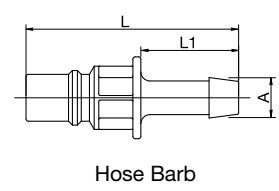
Couplings – without valve **Series BT**

Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	L3 mm	D mm	B mm	G mm	S mm	Color Coding Ring	Part Number
4 mm			47,3	21,5			24,6					BT-M73-4HB
6 mm			47,3	21,5			24,6					BT-M73-6HB
8 mm			47,3	21,5			24,6					BT-M73-8HB



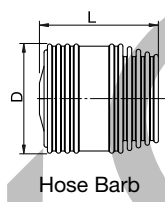
Plugs – without valve **Series BT**

Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	L3 mm	D mm	B mm	G mm	S mm	Color Coding Ring	Part Number
4 mm			46,8	21,5								BT-M74-4HB
6 mm			46,8	21,5								BT-M74-6HB
8 mm			46,8	21,5								BT-M74-8HB



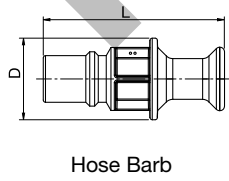
Dummy coupling **Series BT**

Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	L3 mm	D mm	B mm	G mm	S mm	Color Coding Ring	Part Number
			26,8				24,6					BT-M73-PLUG



Dummy plug **Series BT**

Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	L3 mm	D mm	B mm	G mm	S mm	Color Coding Ring	Part Number
			40				18					BT-M74-PLUG





Plastic coupling in nominal diameter 3 mm. The system is particularly suited to use with weak alkalis and acids. The coupling stands out for its light weight and intuitive operation. Secure sealing is indicated by an audible click.

Working Temperature
-40°C up to +82°C



Working Pressure**
0-8 bar
** maximum static working pressure with design factor 4 to 1.

0-8 bar

0-8 bar

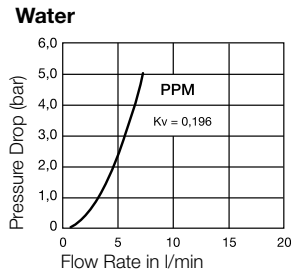
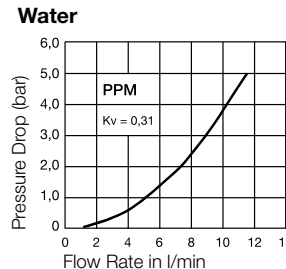
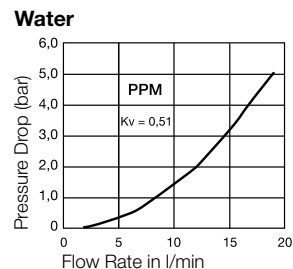
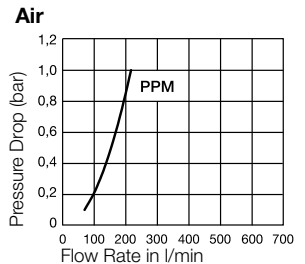
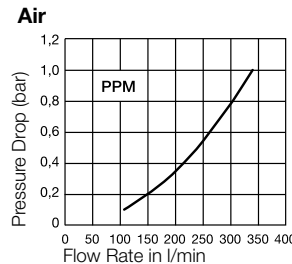
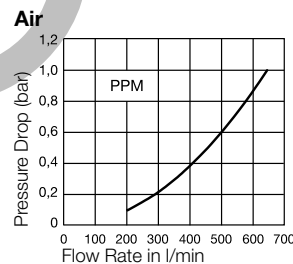
Material

Coupling: Acetal (POM), natural color, USP Class VI
Plug: Acetal (POM), natural color, USP Class VI
Seals: NBR

Coupling: Acetal (POM), natural color, USP Class VI
Plug: Acetal (POM), natural color, USP Class VI
Seals: NBR

Coupling: Acetal (POM), natural color, USP Class VI
Plug: Acetal (POM), natural color, USP Class VI
Seals: NBR

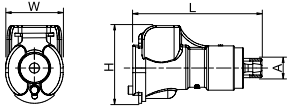
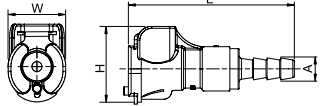
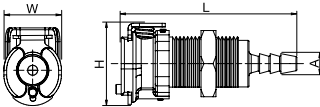
Flow diagrams





Couplings – without valve

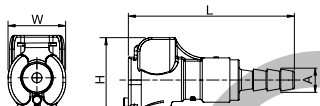
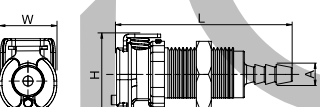
Series PPM

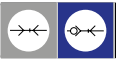
	Connection A	W mm	L mm	H mm	Part Number
	1/8" BSPT	15,7	25,4	20,3	PPM-123-2MBT
	1/4" BSPT	15,7	27,9	20,3	PPM-123-4MBT
Male Thread					
	3,2 mm	15,7	41,9	20,3	PPM-123-2HB
Hose Barb					
	6,0 mm	15,7	45,7	20,3	PPM-123-H4HB
Panel Mount with Hose Barb					



Couplings – with valve

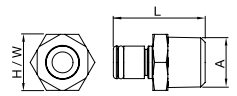
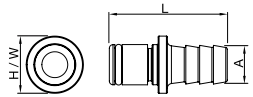
Series PPM

	Connection A	W mm	L mm	H mm	Part Number
	3,2 mm	15,7	41,9	20,3	PPM-121-2HB
	4,8 mm	15,7	43,7	20,3	PPM-121-3HB
	6,0 mm	15,7	45,7	20,3	PPM-121-4HB
Hose Barb					
	1,6 mm	15,7	38,1	20,3	PPM-121-H1HB
	4,8 mm	15,7	43,7	20,3	PPM-121-H3HB
Panel Mount with Hose Barb					



Plugs – without valve

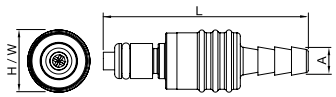
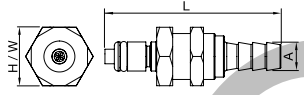
Series PPM

	Connection A	W mm	L mm	H mm	Part Number
 <p>Male Thread</p>	1/8" BSPT	12,4	26,2	12,4	PPM-124-2MBT
 <p>Hose Barb</p>	3,2 mm	12,7	24,6	12,7	PPM-124-2HB
	4,8 mm	12,7	26,4	12,7	PPM-124-3HB
	6,0 mm	12,7	28,4	12,7	PPM-124-4HB



Plugs – with valve

Series PPM

	Connection A	W mm	L mm	H mm	Part Number
 <p>Hose Barb</p>	3,2 mm	14,0	41,9	14,0	PPM-122-2HB
	6,0 mm	14,0	45,7	14,0	PPM-122-4HB
 <p>Panel Mount with Hose Barb</p>	3,2 mm	15,7	43,9	15,7	PPM-122-H2HB