

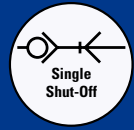
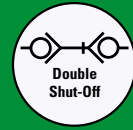
RECTUS Series

48KB



Nominal Diameter

38 mm² = 7



Thermoplastic

Low Pressure

Technical Description

The 48 series coupling system made of POM and PVDF has been developed for use in the medical, chemical, food handling, pharmaceutical and laboratory technology industries. The coupling is also available in a completely thermoplastic version (RectuChem+). Here the metal springs are replaced by springs made of PEEK, an extremely resistant synthetic material.

Advantages

Single handed operation. No mix up due to our color coded sleeves and plugs. The coupling is fitted with a double shut-off valve which enables it to be connected to a single shut-off (non-valved) plug as well as a double shut-off (i.e. plug with valve). The coupling is also available as a straight through coupling.

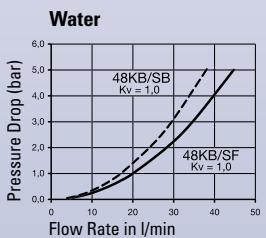
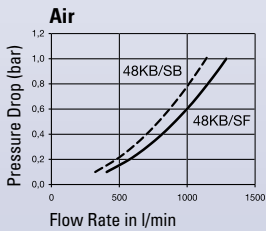
Working Pressure

PB = 0 - 10 bar (POM, at 20°C)
 PB = 0 - 8 bar (PVDF, springs made of steel)
 PB = 1 - 8 bar (PVDF, springs made of PEEK), maximum static working pressure with safety factor of 4 to 1.

Working Temperature

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

Chart



75% of actual size

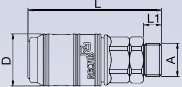


Material	RectuPom	RectuChem	RectuChem+
Coupling			
Valve Body	POM, black	PVDF, white	PVDF, white
Sleeve	POM, black	PVDF, white	PVDF, white
Valve	POM, black	PVDF, white	PVDF, white
Springs	AISI 316 Ti	AISI 316 Ti	PEEK 450G
Locking System	POM, black	PVDF, white	PEEK 450G
Seals	NBR	FKM	FKM
Back Body	POM, black	PVDF, white	PVDF, white
Plug			
Plug Profile	POM, black	PVDF, white	PVDF, white
Valve	POM, black	PVDF, white	PVDF, white
Spring	AISI 316 Ti	AISI 316 Ti	PEEK 450G
Adapter	POM, black	PVDF, white	PVDF, white
Seal	NBR	FKM	FKM

Couplings

RECTUS Series 48KB

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color Sleeve	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number	DS
G 1/4 o.	21	70,5	26	9					Standard	48KB AW13 DPX	48KB AW13 FVX	48KB AW13 FVP	■
									blue	48KB AW13 DPXB	48KB AW13 FVXB	48KB AW13 FVPB	■
									green	48KB AW13 DPXG	48KB AW13 FVXG	48KB AW13 FVPG	■
									red	48KB AW13 DPXR	48KB AW13 FVXR	48KB AW13 FVPR	■
									yellow	48KB AW13 DPXY	48KB AW13 FVXY	48KB AW13 FVPY	■
G 3/8 o.	21	67	26	9					Standard	48KB AW17 DPX	48KB AW17 FVX	48KB AW17 FVP	■
									blue	48KB AW17 DPXB	48KB AW17 FVXB	48KB AW17 FVPB	■
									green	48KB AW17 DPXG	48KB AW17 FVXG	48KB AW17 FVPG	■
									red	48KB AW17 DPXR	48KB AW17 FVXR	48KB AW17 FVPR	■
									yellow	48KB AW17 DPXY	48KB AW17 FVXY	48KB AW17 FVPY	■



Male Thread

DS = Delivery Status:

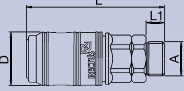
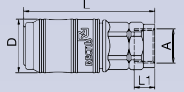
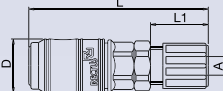
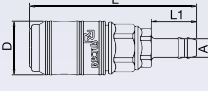
■ in stock

■ on short call

■ medium term delivery

Couplings

RECTUS Series 48KB

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color Sleeve	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number	DS	
 <p>Male Thread</p>	G 1/2 o.	21	73,5	26	12					Standard	48KB AW21 DPX	48KB AW21 FVX	48KB AW21 FVP	■	
										blue	48KB AW21 DPXB	48KB AW21 FVXB	48KB AW21 FVPB	■	
										green	48KB AW21 DPXG	48KB AW21 FVXG	48KB AW21 FVPG	■	
										red	48KB AW21 DPXR	48KB AW21 FVXR	48KB AW21 FVPR	■	
										yellow	48KB AW21 DPXY	48KB AW21 FVXY	48KB AW21 FVPY	■	
 <p>Female Thread</p>	G 1/4 i.	21	63,5	26	10					Standard	48KB IW13 DPX	48KB IW13 FVX	48KB IW13 FVP	■	
										blue	48KB IW13 DPXB	48KB IW13 FVXB	48KB IW13 FVPB	■	
										green	48KB IW13 DPXG	48KB IW13 FVXG	48KB IW13 FVPG	■	
										red	48KB IW13 DPXR	48KB IW13 FVXR	48KB IW13 FVPR	■	
										yellow	48KB IW13 DPXY	48KB IW13 FVXY	48KB IW13 FVPY	■	
	G 3/8 i.	21	63,5	26	13						Standard	48KB IW17 DPX	48KB IW17 FVX	48KB IW17 FVP	■
											blue	48KB IW17 DPXB	48KB IW17 FVXB	48KB IW17 FVPB	■
											green	48KB IW17 DPXG	48KB IW17 FVXG	48KB IW17 FVPG	■
											red	48KB IW17 DPXR	48KB IW17 FVXR	48KB IW17 FVPR	■
											yellow	48KB IW17 DPXY	48KB AW17 FVXY	48KB IW17 FVPY	■
	G 1/2 i.	21	74,5	26	13						Standard	48KB IW21 DPX	48KB IW21 FVX	48KB IW21 FVP	■
											blue	48KB IW21 DPXB	48KB IW21 FVXB	48KB IW21 FVPB	■
											green	48KB IW21 DPXG	48KB IW21 FVXG	48KB IW21 FVPG	■
											red	48KB IW21 DPXR	48KB IW21 FVXR	48KB IW21 FVPR	■
											yellow	48KB IW21 DPXY	48KB IW21 FVXY	48KB IW21 FVPY	■
 <p>for PVDF- and PE-Hoses</p>	6 x 8 mm	21	80	26	21					Standard		48KB KP08 FVX	48KB KP08 FVP	■	
	9 x 12 mm	21	87	26	28					Standard		48KB KP12 FVX	48KB KP12 FVP	■	
	10 x 12 mm	21	87	26	28					Standard		48KB KP12 FVXS	48KB KP12 FVPS	■	
 <p>Hose Barb</p>	6 mm	21	81	26	22					Standard	48KB TF06 DPX	48KB TF06 FVX	48KB TF06 FVP	■	
										blue	48KB TF06 DPXB	48KB TF06 FVXB	48KB TF06 FVPB	■	
										green	48KB TF06 DPXG	48KB TF06 FVXG	48KB TF06 FVPG	■	
										red	48KB TF06 DPXR	48KB TF06 FVXR	48KB TF06 FVPR	■	
										yellow	48KB TF06 DPXY	48KB TF06 FVXY	48KB TF06 FVPY	■	
	9 mm	21	81	26	22						Standard	48KB TF09 DPX	48KB TF09 FVX	48KB TF09 FVP	■
											blue	48KB TF09 DPXB	48KB TF09 FVXB	48KB TF09 FVPB	■
											green	48KB TF09 DPXG	48KB TF09 FVXG	48KB TF09 FVPG	■
											red	48KB TF09 DPXR	48KB TF09 FVXR	48KB TF09 FVPR	■
											yellow	48KB TF09 DPXY	48KB TF09 FVXY	48KB TF09 FVPY	■
	13 mm	21	84	26	25						Standard	48KB TF13 DPX	48KB TF13 FVX	48KB TF13 FVP	■
											blue	48KB TF13 DPXB	48KB TF13 FVXB	48KB TF13 FVPB	■
											green	48KB TF13 DPXG	48KB TF13 FVXG	48KB TF13 FVPG	■
											red	48KB TF13 DPXR	48KB TF13 FVXR	48KB TF13 FVPR	■
											yellow	48KB TF13 DPXY	48KB TF13 FVXY	48KB TF13 FVPY	■

DS = Delivery Status:

■ in stock

■ on short call

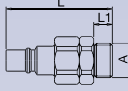
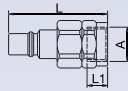
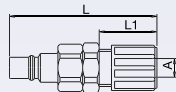
■ medium term delivery

Valved Plugs

RECTUS Series 48SB

Thermoplastic

Low Pressure

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number	DS	
 <p>Male Thread</p>	G 1/4 o.	21	55		9					Standard	48SB AW13 DPX	48SB AW13 FVX	48SB AW13 FVP	■	
										blue	48SB AW13 DPXB	48SB AW13 FVXB	48SB AW13 FVPB	■	
										green	48SB AW13 DPXG	48SB AW13 FVXG	48SB AW13 FVPG	■	
										red	48SB AW13 DPXR	48SB AW13 FVXR	48SB AW13 FVPR	■	
										yellow	48SB AW13 DPXY	48SB AW13 FVXY	48SB AW13 FVPY	■	
	G 3/8 o.	21	51,5		9						Standard	48SB AW17 DPX	48SB AW17 FVX	48SB AW17 FVP	■
											blue	48SB AW17 DPXB	48SB AW17 FVXB	48SB AW17 FVPB	■
											green	48SB AW17 DPXG	48SB AW17 FVXG	48SB AW17 FVPG	■
											red	48SB AW17 DPXR	48SB AW17 FVXR	48SB AW17 FVPR	■
											yellow	48SB AW17 DPXY	48SB AW17 FVXY	48SB AW17 FVPY	■
	G 1/2 o.	21	58		12						Standard	48SB AW21 DPX	48SB AW21 FVX	48SB AW21 FVP	■
											blue	48SB AW21 DPXB	48SB AW21 FVXB	48SB AW21 FVPB	■
green											48SB AW21 DPXG	48SB AW21 FVXG	48SB AW21 FVPG	■	
red											48SB AW21 DPXR	48SB AW21 FVXR	48SB AW21 FVPR	■	
yellow											48SB AW21 DPXY	48SB AW21 FVXY	48SB AW21 FVPY	■	
 <p>Female Thread</p>	G 1/4 i.	21	48		10					Standard	48SB IW13 DPX	48SB IW13 FVX	48SB IW13 FVP	■	
										blue	48SB IW13 DPXB	48SB IW13 FVXB	48SB IW13 FVPB	■	
										green	48SB IW13 DPXG	48SB IW13 FVXG	48SB IW13 FVPG	■	
										red	48SB IW13 DPXR	48SB IW13 FVXR	48SB IW13 FVPR	■	
										yellow	48SB IW13 DPXY	48SB IW13 FVXY	48SB IW13 FVPY	■	
	G 3/8 i.	21	48		10						Standard	48SB IW17 DPX	48SB IW17 FVX	48SB IW17 FVP	■
											blue	48SB IW17 DPXB	48SB IW17 FVXB	48SB IW17 FVPB	■
											green	48SB IW17 DPXG	48SB IW17 FVXG	48SB IW17 FVPG	■
											red	48SB IW17 DPXR	48SB IW17 FVXR	48SB IW17 FVPR	■
											yellow	48SB IW17 DPXY	48SB IW17 FVXY	48SB IW17 FVPY	■
	G 1/2 i.	21	59		13						Standard	48SB IW21 DPX	48SB IW21 FVX	48SB IW21 FVP	■
											blue	48SB IW21 DPXB	48SB IW21 FVXB	48SB IW21 FVPB	■
green											48SB IW21 DPXG	48SB IW21 FVXG	48SB IW21 FVPG	■	
red											48SB IW21 DPXR	48SB IW21 FVXR	48SB IW21 FVPR	■	
yellow											48SB IW21 DPXY	48SB IW21 FVXY	48SB IW21 FVPY	■	
 <p>for PVDF- and PE-Hoses</p>	6 x 8 mm	21	64,5	21					Standard		48SB KP08 FVX	48SB KP08 FVP	■		
	9 x 12 mm	21	71,5	28					Standard		48SB KP12 FVX	48SB KP12 FVP	■		
	10 x 12 mm	21	71,5	28					Standard		48SB KP12 FVXS	48SB KP12 FVPS	■		

DS = Delivery Status:

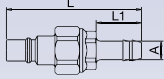
■ in stock

■ on short call

■ medium term delivery

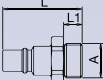
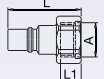
Valved Plugs

RECTUS Series 48SB

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number	DS	
 <p>Hose Barb</p>	6 mm	21	65,5		22					Standard	48SB TF06 DPX	48SB TF06 FVX	48SB TF06 FVP	■	
										blue	48SB TF06 DPXB	48SB TF06 FVXB	48SB TF06 FVPB	■	
										green	48SB TF06 DPXG	48SB TF06 FVXG	48SB TF06 FVPG	■	
										red	48SB TF06 DPXR	48SB TF06 FVXR	48SB TF06 FVPR	■	
										yellow	48SB TF06 DPXY	48SB TF06 FVXY	48SB TF06 FVPY	■	
	9 mm	21	65,5		22						Standard	48SB TF09 DPX	48SB TF09 FVX	48SB TF09 FVP	■
											blue	48SB TF09 DPXB	48SB TF09 FVXB	48SB TF09 FVPB	■
											green	48SB TF09 DPXG	48SB TF09 FVXG	48SB TF09 FVPG	■
											red	48SB TF09 DPXR	48SB TF09 FVXR	48SB TF09 FVPR	■
											yellow	48SB TF09 DPXY	48SB TF09 FVXY	48SB TF09 FVPY	■
	13 mm	21	68,5		25						Standard	48SB TF13 DPX	48SB TF13 FVX	48SB TF13 FVP	■
											blue	48SB TF13 DPXB	48SB TF13 FVXB	48SB TF13 FVPB	■
green											48SB TF13 DPXG	48SB TF13 FVXG	48SB TF13 FVPG	■	
red											48SB TF13 DPXR	48SB TF13 FVXR	48SB TF13 FVPR	■	
yellow											48SB TF13 DPXY	48SB TF13 FVXY	48SB TF13 FVPY	■	

Plugs

RECTUS Series 48SF

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number	DS	
 <p>Male Thread</p>	G 1/4 o.	17	38,5		9					Standard	48SF AW13 DXX	48SF AW13 FXX		■	
										blue	48SF AW13 DPXB	48SF AW13 FVXB		■	
										green	48SF AW13 DPXG	48SF AW13 FVXG		■	
										red	48SF AW13 DPXR	48SF AW13 FVXR		■	
										yellow	48SF AW13 DPXY	48SF AW13 FVXY		■	
	G 3/8 o.	21	38,5		9						Standard	48SF AW17 DXX	48SF AW17 FXX		■
											blue	48SF AW17 DPXB	48SF AW17 FVXB		■
											green	48SF AW17 DPXG	48SF AW17 FVXG		■
											red	48SF AW17 DPXR	48SF AW17 FVXR		■
											yellow	48SF AW17 DPXY	48SF AW17 FVXY		■
	G 1/2 o.	21	41,5		12						Standard	48SF AW21 DXX	48SF AW21 FXX		■
											blue	48SF AW21 DPXB	48SF AW21 FVXB		■
green											48SF AW21 DPXG	48SF AW21 FVXG		■	
red											48SF AW21 DPXR	48SF AW21 FVXR		■	
yellow											48SF AW21 DPXY	48SF AW21 FVXY		■	
 <p>Female Thread</p>	G 1/4 i.	17	38,5		9					Standard	48SF IW13 DXX	48SF IW13 FXX		■	
										blue	48SF IW13 DPXB	48SF IW13 FVXB		■	
										green	48SF IW13 DPXG	48SF IW13 FVXG		■	
										red	48SF IW13 DPXR	48SF IW13 FVXR		■	
										yellow	48SF IW13 DPXY	48SF IW13 FVXY		■	

DS = Delivery Status:

■ in stock

■ on short call


■ medium term delivery

Plugs

RECTUS Series 48SF

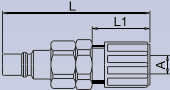
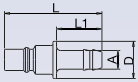
Thermoplastic

Low Pressure

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number	DS	
 <p>Female Thread</p>	G 3/8 i.	21	35,5	10						Standard	48SF IW17 DXX	48SF IW17 FXX		■	
										blue	48SF IW17 DXXB	48SF IW17 FXXB		■	
										green	48SF IW17 DXXG	48SF IW17 FXXG		■	
										red	48SF IW17 DXXR	48SF IW17 FXXR		■	
										yellow	48SF IW17 DXXY	48SF IW17 FXXY		■	
	G 1/2 i.	24	38,5	13							Standard	48SF IW21 DXX	48SF IW21 FXX		■
											blue	48SF IW21 DPXB	48SF IW21 FVXB		■
											green	48SF IW21 DPXG	48SF IW21 FVXG		■
											red	48SF IW21 DPXR	48SF IW21 FVXR		■
											yellow	48SF IW21 DPXY	48SF IW21 FVXY		■

Plugs

RECTUS Series 48SF

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number	DS	
 <p>for PVDF- and PE-Hoses</p>	6 x 8 mm	21	64,5	21								48SF KP08 FVX		■	
	9 x 12 mm	21	71,5	28									48SF KP12 FVX		■
	10 x 12 mm	21	71,5	28									48SF KP12 FVXS		■
 <p>Hose Barb</p>	6 mm		47	18	22					Standard	48SF TF06 DXX	48SF TF06 FXX		■	
										blue	48SF TF06 DPXB	48SF TF06 FVXB		■	
										green	48SF TF06 DPXG	48SF TF06 FVXG		■	
										red	48SF TF06 DPXR	48SF TF06 FVXR		■	
										yellow	48SF TF06 DPXY	48SF TF06 FVXY		■	
	9 mm		47	18	22						Standard	48SF TF09 DXX	48SF TF09 FXX		■
											blue	48SF TF09 DPXB	48SF TF09 FVXB		■
											green	48SF TF09 DPXG	48SF TF09 FVXG		■
											red	48SF TF09 DPXR	48SF TF09 FVXR		■
											yellow	48SF TF09 DPXY	48SF TF09 FVXY		■
	13 mm		50	18	25						Standard	48SF TF13 DXX	48SF TF13 FXX		■
											blue	48SF TF13 DPXB	48SF TF13 FVXB		■
											green	48SF TF13 DPXG	48SF TF13 FVXG		■
											red	48SF TF13 DPXR	48SF TF13 FVXR		■
											yellow	48SF TF13 DPXY	48SF TF13 FVXY		■

DS = Delivery Status:

■ in stock

■ on short call

■ medium term delivery