



Nominal Diameter

2,7 = 6 mm<sup>2</sup>

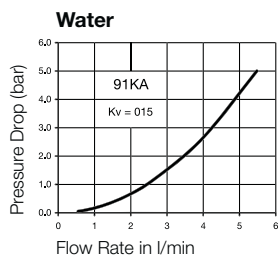
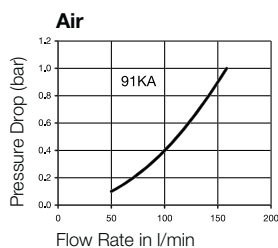
RECTUS Series

91KA

actual size

**Technical Description**

The 91 series is a variation of the 20 series couplings. The valve has been shortened in respect that the plug seals before the coupling valve opens. In spite of the short valve the well-proven single hand operation is retained, as the ball-lock is replaced by a pin-lock. This extends the external diameter of the sleeve from 10 to 13 mm.

**Chart****Advantages**

Single handed operation. No loss through leakage during coupling.

**Interchangeability**

RECTUS 20  
WALTHER 06-003

**Working Pressure**

PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

**Working Temperature\***

-20°C up to +100°C (NBR)  
-40°C up to +120/150°C (EPDM)  
-15°C up to +200°C (FKM)  
depending on the medium.

\*At a temperature below -20°C and above +100°C special seals are available on request.

**Material****Coupling**

Back Body  
Valve Body  
Sleeve  
Valve  
Spring and Locking Ring  
Pins  
Seals

**Standard**

Brass  
Brass  
Brass  
Brass  
AISI 303  
AISI 420  
NBR

**Nickel Plated**

Brass, Nickel Plated  
Brass, Nickel Plated  
Brass, Nickel Plated  
Brass  
AISI 301  
AISI 420  
NBR

**Plug**

Plug

Brass

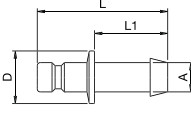
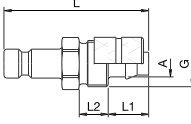
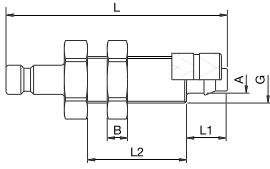
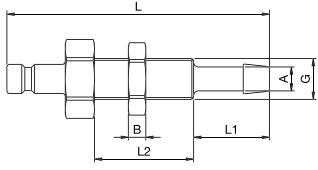
Brass, Nickel Plated

**Couplings****RECTUS Series 91KA**

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
<p>Male Thread</p>	M 5	9	26	13	5					Standard	91KA AM05 MPX
										Nickel Plated	91KA AM05 MPN
	G 1/8	11	28	13	7					Standard	91KA AW10 MPX
										Nickel Plated	91KA AW10 MPN
<p>Female Thread</p>	M 5	9	25	13	5					Standard	91KA IM05 MPX
										Nickel Plated	91KA IM05 MPN
	G 1/8	12	28	13	7					Standard	91KA IW10 MPX
										Nickel Plated	91KA IW10 MPN
<p>Hose Barb</p>	4 mm		35	13	13					Standard	91KA TF04 MPX
										Nickel Plated	91KA TF04 MPN

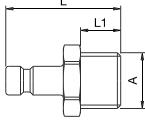
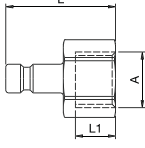
**Plugs**

**RECTUS Series 91KA**

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number	
 <p>Hose Barb</p>	3 mm		24	7	13					Standard	20SF TF03 MXX	
										Nickel Plated	20SF TF03 MXN	
	4 mm		24	7	13					Standard	20SF TF04 MXX	
										Nickel Plated	20SF TF04 MXN	
	5 mm		22	9	13					Standard	20SF TF05 MXX	
										Nickel Plated	20SF TF05 MXN	
 <p>Plastic Hose Connection</p>	3 x 4 mm	7	25		7	5			M 7 x 0,5	Standard	20SF KO04 MXX	
										Nickel Plated	20SF KO04 MXN	
	3 x 5 mm	7	25		7	5			M 7 x 0,5	Standard	20SF KO05 MXX	
										Nickel Plated	20SF KO05 MXN	
	4 x 6 mm	8	25		7	5			M 8 x 0,5	Standard	20SF KO06 MXX	
										Nickel Plated	20SF KO06 MXN	
 <p>Panel Mount Plastic Hose Connection</p>	3 x 4 mm	11	38		7	17	11	3	M 7 x 0,5	Standard	20SF KS04 MXX	
										Nickel Plated	20SF KS04 MXN	
	3 x 5 mm	11	38		7	17	11	3	M 7 x 0,5	Standard	20SF KS05 MXX	
										Nickel Plated	20SF KS05 MXN	
	4 x 6 mm	12	38		7	17	12	3	M 8 x 0,5	Standard	20SF KS06 MXX	
										Nickel Plated	20SF KS06 MXN	
 <p>Panel Mount, Hose Barb</p>	3 mm	12	45		13	18	11	4	M 7 x 0,5	Standard	20SF TS03 MXX	
										Nickel Plated	20SF TS03 MXN	
	4 mm	12	45		13	17	11	3	M 7 x 0,5	Standard	20SF TS04 MXX	
										Nickel Plated	20SF TS04 MXN	

**Plugs**

**RECTUS Series 20SF**

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	M 5	7	18		5					Standard	20SF AM05 MXX
										Nickel Plated	20SF AM05 MXN
	G 1/8	11	20		7					Standard	20SF AW10 MXX
										Nickel Plated	20SF AW10 MXN
 <p>Female Thread</p>	M 5	7	17		5					Standard	20SF IM05 MXX
										Nickel Plated	20SF IM05 MXN
	G 1/8	12	19		7					Standard	20SF IW10 MXX
										Nickel Plated	20SF IW10 MXN

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