



# rtc<sup>®</sup>

QUICK CONNECT TECHNOLOGY  
[www.rtc-tec.com](http://www.rtc-tec.com)



# 105

rtc TYPE



## 105 Type Couplings are leak tight on connection and disconnection



### Standard version - Standardversion

Brass - Messing  
NBR (N)

### Options - Optionen

Stainless Steel - Edelstahl  
EPDM Seal - EPDM Dichtung  
FFKM Seal - FFKM Dichtung  
Colour coding - Farbkodierung

### Locking - Sleeve

If the locking-sleeve is enhanced shoulder type add the VP end of the order numbers

### Sperr-Ring

Wenn die Sperr-Ring verstärkt Schulter Typ VP Ende der Bestellnummern hinzufügen

### Colour-Ring

For color coding add R (red) or B (blue) on the end of the order number

### Colour-Ring

Für die Farbkodierung fügen Sie R (Rot) oder B (Blau) am Ende der Bestellnummer hinzu

### Material

Coupler Body-  
Kupplungsgrundkörper Brass - Messing  
Sleeve - Hülse AISI 420 Chroma plated  
Valve - Ventil Brass - Messing  
Springs - Federn Stainless Steel - Edelstahl

Seals - Dichtungen FPM (V)

Plug - Nippel  
105.09 / 105.12 Brass - Messing  
105.16 / 105.20 / 105.25  
Stainless Steel - Edelstahl Messing

### Temperature Range - Temperaturbereich

-15°C +100°C (+ 5° F +210°F) Nitril (N)  
-10°C +180°C (+15°F +356°F) FPM (V)  
0°C +260°C (+32° F +500°F) FFKM (W)

### Max. Working Pressure - Max. Betriebsdruck

rtc 105.09 16 bar (232 PSI)  
rtc 105.12 16 bar (232 PSI)  
rtc 105.16 16 bar (232 PSI)  
rtc 105.20 16 bar (232 PSI)  
rtc 105.25 16 bar (232 PSI)

### Flow size - Nennweiten

rtc 105.09 9 mm  
rtc 105.12 12 mm  
rtc 105.16 16 mm  
rtc 105.20 20 mm  
rtc 105.25 25 mm

### Using Area

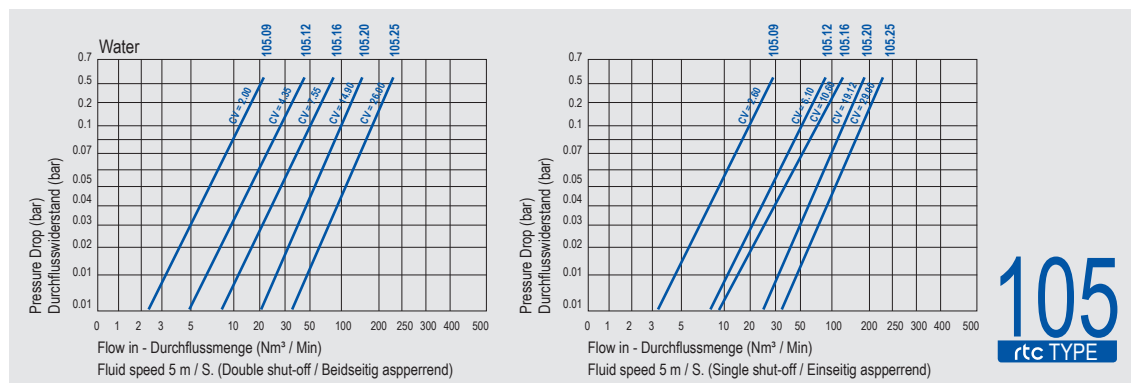
- On temperature regulation applications with hot or cold water, oil etc
- Injection moulding industries
- On steam line

### Anwendungsbereiche

- Werkzeugtemperierung
- Kühlung mit Öl oder Wasser
- Kunststoffindustrie
- Dampfanwendungen



Flow Rate vs Pressure Drop Graph / Durchflussrate vs Druckabfall

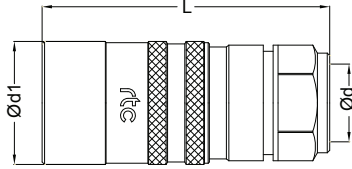


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Female thread socket with valve / Verschlusskupplung mit Innengewinde



Socket / Kupplung



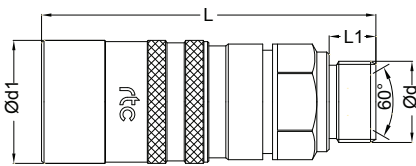
Size Größe	Order No / Bestellnr.	D	D1	L	HEX.
09	105.09 SFB 17	BSP 3/8	25	67	23
09	105.09 SNB 17	NPT 3/8	25	65	23
12	105.12 SFB 21	BSP 1/2	31	80	30
12	105.12 SNB 21	NPT 1/2	31	79	30
16	105.16 SFB 26	BSP 3/4	38	99	36
16	105.16 SNB 26	NPT 3/4	38	100	36
20	105.20 SFB 26	BSP 3/4	50	117	42
20	105.20 SFB 33	BSP 1	50	117	42
20	105.20 SNB 33	NPT 1	50	117	42
25	105.25 SFB 33	BSP 1	55	137	50
25	105.25 SFB 42	BSP 1-1/4	55	137	50
25	105.25 SNB 42	NPT 1-1/4	55	134	50

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Socket / Kupplung



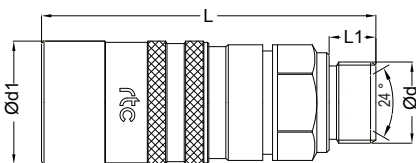
Size Größe	Order No / Bestellnr.	D	D1	L	L1	HEX.
09	105.09 SMB 17	BSP 3/8	25	66	12	23
12	105.12 SMB 21	BSP 1/2	31	80	14	30
16	105.16 SMB 26	BSP 3/4	38	100	16	36
20	105.20 SMB 30	BSP 1	50	129	20	42
25	105.25 SMB 33	BSP 1-1/4	55	139	21	50

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Male thread socket with valve / Verschlusskupplung mit Aussengewinde



Socket / Kupplung



Size Größe	Order No / Bestellnr.	D	D1	L	L1	HEX.
09	105.09 SMB 1815-12	M 18x1.5-Ø12	25	65	11	23
12	105.12 SMB 2515-18	M 26x1.5-Ø18	31	74	12	30
16	105.16 SMB 3020-22	M 30x2.0-Ø22	38	98	14	36
20	105.20 SMB 3620-28	M 36x2.0-Ø28	50	123	14	42
25	105.25 SMB 4520-35	M 45x2.0-Ø35	55	134	16	50



Female thread plug with valve / Verschlussnippel mit Innengewinde

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Socket / Kupplung	Size Größe	Order No / Bestellnr.	D	L	HEX.
	09	105.09 PFB 17	BSP 3/8	62	23
	09	105.09 PNB 17	NPT 3/8	61	23
	12	105.12 PFB 21	BSP 1/2	77	30
	12	105.12 PNB 21	NPT 1/2	75	30
	16	105.16 PFB 26	BSP 3/4	99	36
	16	105.16 PNB 26	NPT 3/4	98	36
	20	105.20 PFB 26	BSP 3/4	127	42
	20	105.20 PFB 33	BSP 1	127	42
	20	105.20 PNB 33	NPT 1	130	42
	25	105.25 PFB 33	BSP 1	149	50
	25	105.25 PFB 42	BSP 1-1/4	149	50
	25	105.25 PNB 42	NPT 1-1/4	146	50



Male thread plug with valve / Verschlussnippel mit Aussengewinde

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Socket / Kupplung	Size Größe	Order No / Bestellnr.	D	L	L1	HEX.
	09	105.09 PMB 17	BSP 3/8	59	12	23
	12	105.12 PMB 21	BSP 1/2	75	14	30
	16	105.16 PMB 26	BSP 3/4	99	16	36
	20	105.20 PMB 30	BSP 1	139	20	42
	25	105.25 PMB 33	BSP 1-1/4	152	21	50



Male thread plug with valve / Verschlussnippel mit Aussengewinde

TYPE 105 **rtc**

Socket / Kupplung	Size Größe	Order No / Bestellnr.	D	L	L1	HEX.
	09	105.09 PMB 1815-12	M 18x1.5-Ø12	59	11	23
	12	105.12 PMB 2515-18	M 26x1.5-Ø18	72	12	30
	16	105.16 PMB 3020-22	M 30x2.0-Ø22	95	14	36
	20	105.20 PMB 3620-28	M 36x2.0-Ø28	133	14	42
	25	105.25 PMB 4520-35	M 45x2.0-Ø35	148	16	50