

# rtc<sup>®</sup>

COUPLING TECHNOLOGY



# 171

rtc TYPE





**Temperature Range - Temperaturbereich**

Nitrile (N) -20°C + 110°C (- 4°F + 230°F)

**Max. Working Pressure - Max. Betriebsdruck**

rtc 171.06 12 bar (175 PSI)  
 rtc 171.08 16 bar (232 PSI)  
 rtc 171.11 16 bar (232 PSI)

**Flow size - Nennweite**

rtc type 171.06 5.5 mm  
 rtc type 171.08 8 mm  
 rtc type 171.11 11 mm

**Material**

Socket Body- Stainless steel -  
 Kupplungsgrundkörper Edelstahl  
 Back part - Hinterteil Zinc plated steel - Stahl verzinkt  
 Push Button - AISI 420 hardened stainless steel -  
 Knopf Drücken Gehärteter Edelstahl  
 Valve - Ventil Brass - Messing  
 Springs - Federn Stainless steel - Edelstahl  
 Seal - Dichtung Nitrile (N)

Plug - AISI 420 hardened stainless steel -  
 Nippel Gehärteter Edelstahl

**Technical Specifications**

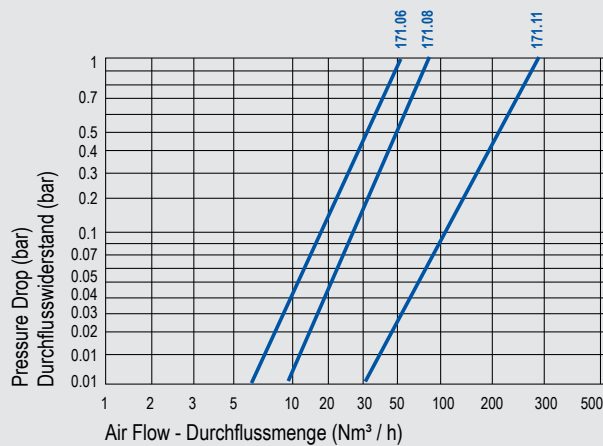
- The system perfectly fits to the **ISO 4414, EN 983** safety requirements
- Plug profile perfectly fits to the **ISO 6150-C-10, AFNOR C-10 NF E 49-053**
- 2 stage disconnection safety feature
- Optimised Size
- Coupling and plug, the system, is anti-corrosive

**Technische Spezifikationen**

- Sicherheit gemäß **ISO 4414, EN 983**
- Stecknippel gemäß **ISO 6150-C-10, AFNOR C-10 NF E 49-053**
- 2 stufen Sicherheitsentriegelung
- Kompakte Bauform
- Kupplung und Nippel, sind korrosionsbeständig.



Flow Rate vs Pressure Drop Graph / Durchflussrate vs Druckabfall



**171**  
rtc TYPE

**rtc** TYPE 171

Female thread socket / Kupplung mit Innengewinde



Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	HEX.
	06	171.06 SFO 10	BSP 1/8	22	48.5	20
		171.06 SFO 13	BSP 1/4	22	51.5	20
		171.06 SFO 17	BSP 3/8	22	54.5	20
		171.06 SFO 21	BSP 1/2	22	58.5	24
		171.06 SNO 13	NPT 1/4	22	55.5	20
		171.06 SNO 17	NPT 3/8	22	56.5	20
	08	171.08 SFO 13	BSP 1/4	27	69.5	24
		171.08 SFO 17	BSP 3/8	27	69.5	24
		171.08 SFO 21	BSP 1/2	27	72.5	24
		171.08 SNO 17	NPT 3/8	27	70.5	24
		171.08 SNO 21	NPT 1/2	27	77.5	24
	11	171.11 SFO 17	BSP 3/8	33	77.5	14
		171.11 SFO 21	BSP 1/2	33	78	14
		171.11 SFO 26	BSP 3/4	33	82.5	14
		171.11 SNO 21	NPT 1/2	33	83.5	14

**rtc** TYPE 171

Male thread socket / Kupplung mit Aussengewinde



Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	06	171.06 SMO 10	BSP 1/8	22	52.5	8	20
		171.06 SMO 13	BSP 1/4	22	54.5	10	20
		171.06 SMO 17	BSP 3/8	22	54.5	10	20
		171.06 SMO 21	BSP 1/2	22	56.5	12	22
		171.06 STO 13	NPT 1/4	22	56.5	12	20
		171.06 STO 17	NPT 3/8	22	57.5	13	20
	08	171.08 SMO 13	BSP 1/4	27	69.5	10	24
		171.08 SMO 17	BSP 3/8	27	69.5	10	24
		171.08 SMO 21	BSP 1/2	27	71.5	12	24
		171.08 STO 17	NPT 3/8	27	71.5	13	24
		171.08 STO 21	NPT 1/2	27	76.5	17	24
	11	171.11 SMO 17	BSP 3/8	33	82.5	10	30
		171.11 SMO 21	BSP 1/2	33	86.5	12	30
		171.11 SMO 26	BSP 3/4	33	88.5	16	30
		171.11 STO 21	NPT 1/2	33	89.5	17	30

**rtc** TYPE 171

Standard hose tail socket / Kupplung mit gerader Standard - Schlauchtülle



Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1
	06	171.06 SHO 06	6 mm	22	67.5	23
		171.06 SHO 08	8 mm	22	67.5	23
		171.06 SHO 10	10 mm	22	70.5	26
		171.06 SHO 13	13 mm	22	70.5	26
	08	171.08 SHO 08	8 mm	27	82.5	23
		171.08 SHO 10	10 mm	27	85.5	26
		171.08 SHO 13	13 mm	27	85.5	26
		171.08 SHO 16	16 mm	27	85.5	26
	11	171.11 SHO 13	13 mm	33	93.5	26
		171.11 SHO 16	16 mm	33	93.5	26
		171.11 SHO 19	19 mm	33	97.5	30



Socket with Plastic Hose Connection / Kupplung mit Kunststoffschlauchanschluss

TYPE 171 **rtc**

Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1
	06	171.06 SVOG 0610	6.5x10	22
		171.06 SVOG 0812	8x12	22
	08	171.08 SVOG 0812	8x12	27
		171.08 SVOG 1116	11x16	27
	11	171.11 SVOG 1116	11x16	33



Female thread panel mounted socket / Kupplung mit Innengewinde Schottanschluss

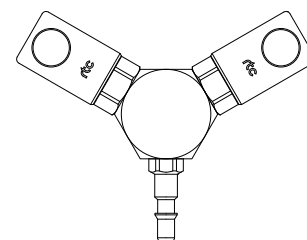
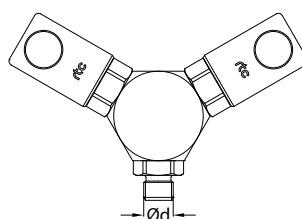
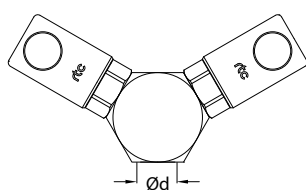
TYPE 171 **rtc**

Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	Ød2	L	L1	HEX.
	06	171.06 SFOP 10	BSP 1/8	22	27	22.5	4	32
		171.06 SFOP 13	BSP 1/4	22	27	22.5	4	32
		171.06 SFOP 17	BSP 3/8	22	27	22.5	4	32
	08	171.08 SFOP 13	BSP 1/4	27	33	31	11.5	36
		171.08 SFOP 17	BSP 3/8	27	33	31	11.5	36
		171.08 SFOP 21	BSP 1/2	27	33	31	11.5	36
	11	171.11 SFOP 17	BSP 3/8	33	39	50	12.5	41
		171.11 SFOP 21	BSP 1/2	33	39	50	12.5	41
		171.11 SFOP 26	BSP 3/4	33	39	50	12.5	41



Y Distributor / Y Verteiler

TYPE 171 **rtc**



Body Size Größe	Order No Bestellnr.	Ød
06	171.06 SFOY 13	BSP 1/4
	171.06 SFOY 17	BSP 3/8
	171.06 SFOY 21	BSP 1/2
08	171.08 SFOY 17	BSP 3/8
	171.08 SFOY 21	BSP 1/2
11	171.11 SFOY 17	BSP 3/8
	171.11 SFOY 21	BSP 1/2

Body Size Größe	Order No Bestellnr.	Ød
06	171.06 SMOY 13	BSP 1/4
	171.06 SMOY 17	BSP 3/8
	171.06 SMOY 21	BSP 1/2
08	171.08 SMOY 17	BSP 3/8
	171.08 SMOY 21	BSP 1/2
11	171.11 SMOY 17	BSP 3/8
	171.11 SMOY 21	BSP 1/2

Body Size Größe	Order No Bestellnr.
06	171.06 SPOY
08	171.08 SPOY
11	171.11 SPOY

**rtc** TYPE 171

Female thread plug / Nippel mit Innengewinde



Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	HEX.
	06	170.06 PFF 10	BSP 1/8	7.5	42	14
		170.06 PFF 13	BSP 1/4	7.5	47	17
		170.06 PFF 17	BSP 3/8	7.5	50	22
		170.06 PNF 13	NPT 1/4	7.5	48	14
		170.06 PNF 17	NPT 3/8	7.5	49	17
	08	170.08 PFF 13	BSP 1/4	11	56	17
		170.08 PFF 17	BSP 3/8	11	58	22
		170.08 PFF 21	BSP 1/2	11	59	27
		170.08 PNF 17	NPT 3/8	11	58	22
		170.08 PNF 21	NPT 1/2	11	59	27
11	170.11 PFF 17	BSP 3/8	14	62	22	
	170.11 PFF 21	BSP 1/2	14	66	27	
	170.11 PFF 26	BSP 3/4	14	69	32	
	170.11 PNF 21	NPT 1/2	14	67	27	

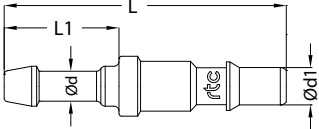
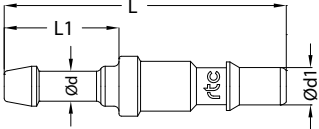
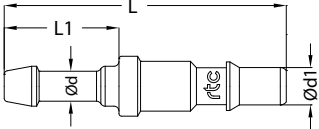
**rtc** TYPE 171

Male thread plug / Nippel mit Aussengewinde



Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	06	170.06 PMF 10	BSP 1/8	7.5	44	8	14
		170.06 PMF 13	BSP 1/4	7.5	47	11	14
		170.06 PMF 17	BSP 3/8	7.5	52	12	19
		170.06 PTF 13	NPT 1/4	7.5	47	12	14
	08	170.08 PMF 13	BSP 1/4	11	55	11	17
		170.08 PMF 17	BSP 3/8	11	57	12	19
		170.08 PMF 21	BSP 1/2	11	61	14	24
		170.08 PTF 17	NPT 3/8	11	57	12	19
		170.08 PTF 21	NPT 1/2	11	64	17	24
	11	170.11 PMF 17	BSP 3/8	14	63	12	19
170.11 PMF 21		BSP 1/2	14	68	15	24	
170.11 PMF 26		BSP 3/4	14	70	17	30	
170.11 PTF 21		NPT 1/2	14	67	17	24	



Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1
	06	170.06 PHF 06	6 mm	7.5	56	23
		170.06 PHF 08	8 mm	7.5	56	23
		170.06 PHF 10	10 mm	7.5	56	23
		170.06 PHF 13	13 mm	7.5	60	26
	08	170.08 PHF 08	8 mm	11	62	23
		170.08 PHF 10	10 mm	11	62	23
		170.08 PHF 13	13 mm	11	66	26
		170.08 PHF 16	16 mm	11	66	26
	11	170.11 PHF 10	10 mm	14	71	26
		170.11 PHF 13	13 mm	14	71	26
		170.11 PHF 16	16 mm	14	72	26
		170.11 PHF 19	19 mm	14	85	37