COUPLING TECHNOLOGY

Water | Pneumatic | Hydraulic | Electrical | Accessories

173

rtc TYPE

rtc 173 type automatic Coupling systems are applicable for quick changing of injection moulding and die cast molds.

rtc 173 Typ Andock Kupplungssysteme sind für den schnellen Wechsel von Spritzguss-und Druckgusswerkzeugen.

Temperature Range - Temperaturbereich

Nitrile (N)	-20°C + 110°C (- 4°F + 230°F)
FPM (V)	-20°C + 180°C (- 4°F + 356°F)
EPDM (Ethylene Propylene)	-40°C + 150°C (- 40°F + 302°F)
PTFE (T)	-20°C + 270°C (- 4°F + 518°F)
FFKM (W)	-20°C + 325°C (- 4°F + 617°F)

Flow size - Nennweite

rtc type 173.03	3 mm
rtc type 173.06	5.5 mm
rtc type 173.08	8 mm
rtc type 173.11	11 mm
rtc type 173.19	19 mm

Standard Types:
Material
Socket body; AISI 303 stainless steel
others are mostly %17 choremium steel

Socket back adaptor; Steel Zink Plated

IA Types:
Material
Socket body; AISI 303 stainless steel
Socket back adaptor; AISI 303 stainless steel

Plug body high resistance stainless steel

HL & HG Types:
Material
Socket body; AISI 303 stainless steel
Socket back adaptor; AISI 303 stainless steel
Others parts mainly AISI 316L stainless steel

Plug body high resistance stainless steel

HI Types:
Material
Socket body; AISI 316L stainless steel

Plug body high resistance stainless steel

IC Types:
Material
AISI 316L stainless steel

VA Types:
Vacuum
Vacuum tightness: 1.10^{-3} cm^3 / s.
in connected and disconnected position.

Standardtypen:
Material
Kupplung Grundkörper aus Edelstahl AISI 303 andere sind meist 17% Chromstahl

Kupplung Hinterteil: Stahl verzinkt

IA Typen:
Material
Kupplung Grundkörper; AISI 303 Edelstahl
Kupplung Hinterteil, AISI 303 Edelstahl

Nippel Grundkörper aus widerstandsfähigen Edelstahl

HL & HG Typen:
Material
Kupplung Grundkörper; AISI 303 Edelstahl
Kupplung Hinterteil, AISI 303 Edelstahl
Andere Teile hauptsächlich aus Edelstahl AISI 316L

Nippel Grundkörper aus widerstandsfähigen Edelstahl

HI Typen:
Material
Kupplung Grundkörper; Edelstahl AISI 316L

Nippel Grundkörper aus widerstandsfähigen Edelstahl

IC Typen:
Material
Edelstahl AISI 316L

VA Typen:
Vakuum
Vakuumdichtigkeit: 1.10^{-3} cm^3 / s.
in Verbindung und Trennstellung.

Docking Coupling
Andock Kupplung

Using Area
- On temperature regulation applications with air, hot or cold water, etc.
- Injection moulding industries.
- On steam line.
- Docking systems.

Anwendungsbereiche
- Werkzeugtemperierung / Kühlung. Luft, kalt oder Heisswasser
- Kunststoffindustrie
- Dampfanwendungen
- Andocksysteme

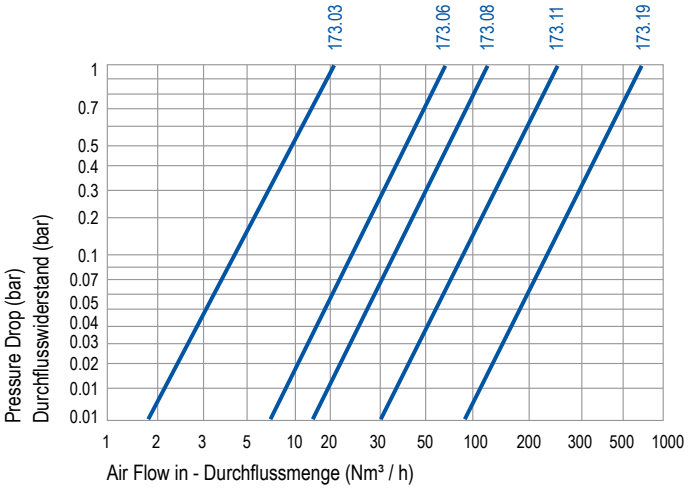
173 rtc TYPE

rtc TYPE 173 — General information - Allgemeine Informationen

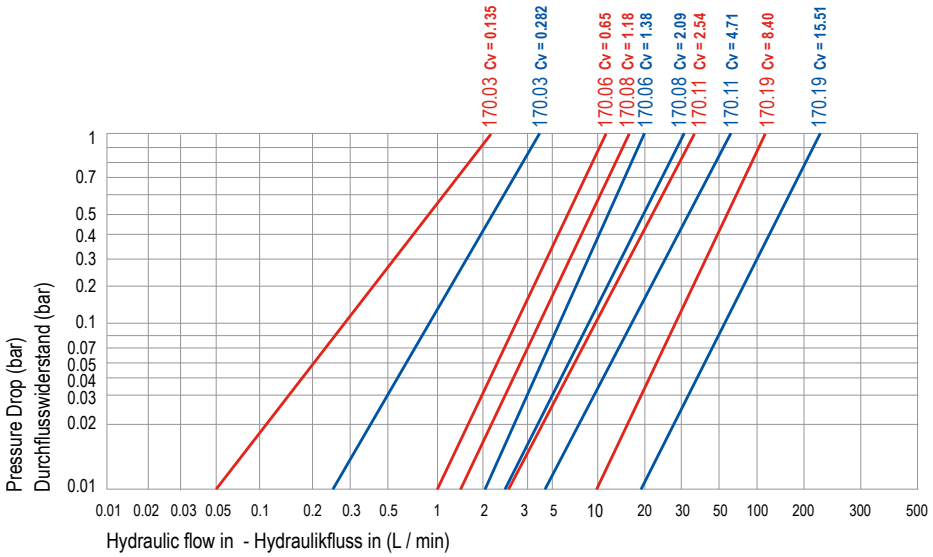
Nominal Ø Nennweite Ø	Flow Area Fläche	Maximum Working Pressure (Bar) - Maximaler Betriebsdruck (Bar)						
		Standart Type	IA Type	IC Type	HL Type	HG Type	HI Type	VA Type
3 mm	7 mm²	50	50	250	400	400	400	10^{-3} torr
5.5 mm	24 mm²	50	50	250	450	450	450	10^{-3} torr
8 mm	50 mm²	50	50	250	400	400	400	10^{-3} torr
11 mm	95 mm²	50	50	200	350	350	350	10^{-3} torr
19 mm	284 mm²	50	50	200	300	300	300	10^{-3} torr

Pneumatic charts flow rate Pressure Drop from the single shut-off system

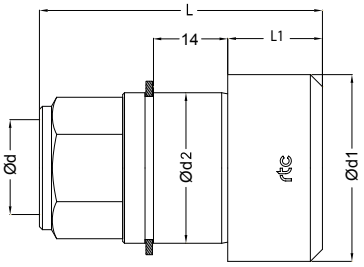
Durchflussdiagramm Pneumatik Druckabfall Version einseitig absperrend



Hydraulic charts flow rate, pressure drop
Durchflussdiagram Hydraulik, Druckabfall



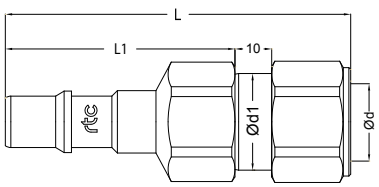
Female thread socket / Kupplung mit Innengewinde TYPE 173



Socket / Kupplung	Size Größe (mm)	Order No / Bestellnr. Single Shut-off Einseitig Absperrend	Order No / Bestellnr. Double Shut-off Beidseitig Absperrend	Order No / Bestellnr. Thru-Flow Nicht Absperrend	Ød	Ød1	Ød2	L	L1	HEX
	03	173.03 SFO 10	173.03 SFB 10	173.03 SFF 10	BSP 1/8	22	16	42.5	9	14
		173.03 SNO 10	173.03 SNB 10	173.03 SNF 10	NPT 1/8	22	16	42.5	9	14
		173.03 SUO 1120	173.03 SUB 1120	173.03 SUF 1120	UNF 7/16-20	22	16	42.5	9	14
	06	173.06 SFO 10	173.06 SFB 10	173.06 SFF 10	BSP 1/8	32	26	49.5	20.5	22
		173.06 SFO 13	173.06 SFB 13	173.06 SFF 13	BSP 1/4	32	26	52.5	20.5	22
		173.06 SFO 17	173.06 SFB 17	173.06 SFF 17	BSP 3/8	32	26	60.5	20.5	22
		173.06 SFO 21	173.06 SFB 21	173.06 SFF 21	BSP 1/2	32	26	63.5	20.5	24
		173.06 SNO 10	173.06 SNB 10	173.06 SNF 10	NPT 1/8	32	26	47.5	20.5	22
		173.06 SNO 13	173.06 SNB 13	173.06 SNF 13	NPT 1/4	32	26	51.5	20.5	22
		173.06 SNO 17	173.06 SNB 17	173.06 SNF 17	NPT 3/8	32	26	60.5	20.5	22
		173.06 SUO 1418	173.06 SUB 1418	173.06 SUF 1418	UN 9/16-18	32	26	59.5	20.5	22
	08	173.08 SFO 13	173.08 SFB 13	173.08 SFF 13	BSP 1/4	38	32	65	20	27
		173.08 SFO 17	173.08 SFB 17	173.08 SFF 17	BSP 3/8	38	32	65	20	27
		173.08 SFO 21	173.08 SFB 21	173.08 SFF 21	BSP 1/2	38	32	74	20	27
		173.08 SNO 13	173.08 SNB 13	173.08 SNF 13	NPT 1/4	38	32	64	20	27
		173.08 SNO 17	173.08 SNB 17	173.08 SNF 17	NPT 3/8	38	32	64	20	27
		173.08 SNO 21	173.08 SNB 21	173.08 SNF 21	NPT 1/2	38	32	74	20	27
		173.08 SUO 1916	173.08 SUB 1916	173.08 SUF 1916	UN 3/4-16	38	32	76.5	20	27
	11	173.11 SFO 17	173.11 SFB 17	173.11 SFB 17	BSP 3/8	45	38	76	14.4	32
		173.11 SFO 21	173.11 SFB 21	173.11 SFB 21	BSP 1/2	45	38	78	14.4	32
		173.11 SFO 26	173.11 SFB 26	173.11 SFB 26	BSP 3/4	45	38	86	14.4	34
		173.11 SNO 17	173.11 SNB 17	173.11 SNB 17	NPT 3/8	45	38	74	14.4	32
		173.11 SNO 21	173.11 SNB 21	173.11 SNB 21	NPT 1/2	45	38	76	14.4	32
		173.11 SNO 26	173.11 SNB 26	173.11 SNB 26	NPT 3/4	45	38	80	14.4	34
		173.11 SUO 2214	173.11 SUB 2214	173.11 SUB 2214	UN 7/8-14	45	38	86	14.4	32
	19	173.19 SFO 26	173.19 SFB 26	173.19 SFF 26	BSP 3/4	60	54	119	9	46
		173.19 SFO 33	173.19 SFB 33	173.19 SFF 33	BSP 1	60	54	121	9	46
		173.19 SNO 26	173.19 SNB 26	173.19 SNF 26	NPT 3/4	60	54	123	9	46
		173.19 SNO 33	173.19 SNB 33	173.19 SNF 33	NPT 1	60	54	125	9	46

rtc TYPE 173

Female thread plug / Nippel mit Innengewinde



Plug / Nippel	Size Größe (mm)	Order No / Bestellnr. Double Shut-off Beidseitig Absperrend	Order No / Bestellnr. Thru-Flow Nicht Absperrend	Ød	Ød1	L	L1	HEX
	03	173.03 PFB 10	173.03 PFF 10	BSP 1/8	15.8	51	29	14
		173.03 PNB 10	173.03 PNF 10	NPT 1/8	15.8	51	29	14
		173.03 PUB 1120	173.03 PUF 1120	UNF 7/16-20	15.8	56	29	14
	06	173.06 PFB 10	173.06 PFF 10	BSP 1/8	16	65	43	17
		173.06 PFB 13	173.06 PFF 13	BSP 1/4	16	72	43	17
		173.06 PFB 17	173.06 PFF 17	BSP 3/8	16	72	43	22
		173.06 PNB 10	173.06 PNF 10	NPT 1/8	16	67	43	17
		173.06 PNB 13	173.06 PNF 13	NPT 1/4	16	72	43	17
		173.06 PNB 17	173.06 PNF 17	NPT 3/8	16	72	43	22
		173.06 PFB 1615	173.06 PFF 1615	M16x1.5	16	72	43	19
		173.06 PUB 1418	173.06 PUF 1418	UN 9/16-18	16	72	43	17
	08	173.08 PFB 13	173.08 PFF 13	BSP 1/4	21.5	80	52	24
		173.08 PFB 17	173.08 PFF 17	BSP 3/8	21.5	80	52	24
		173.08 PFB 21	173.08 PFF 21	BSP 1/2	21.5	82	52	24
		173.08 PNB 13	173.08 PNF 13	NPT 1/4	21.5	80	52	24
		173.08 PNB 17	173.08 PNF 17	NPT 3/8	21.5	80	52	24
		173.08 PNB 21	173.08 PNF 21	NPT 1/2	21.5	84	52	24
		173.08 PUB 1916	173.08 PUF 1916	UN 3/4-16	21.5	84	52	24
	11	173.11 PFB 13	173.11 PFF 13	BSP 1/4	26.4	90	62.5	30
		173.11 PFB 17	173.11 PFF 17	BSP 3/8	26.4	90	62.5	30
		173.11 PFB 21	173.11 PFF 21	BSP 1/2	26.4	94	62.5	30
		173.11 PFB 26	173.11 PFF 26	BSP 3/4	26.4	99	62.5	34
		173.11 PNB 17	173.11 PNF 17	NPT 3/8	26.4	90	62.5	30
		173.11 PNB 21	173.11 PNF 21	NPT 1/2	26.4	94	62.5	30
		173.11 PNB 26	173.11 PNF 26	NPT 3/4	26.4	99	62.5	34
		173.11 PUB 2214	173.11 PUF 2214	UN 7/8-14	26.4	97	62.5	30
	19	173.19 PFB 26	173.19 PFF 26	BSP 3/4	39	132	88	41
		173.19 PFB 33	173.19 PFF 33	BSP 1	39	139	88	41
		173.19 PNB 26	173.19 PNF 26	NPT 3/4	39	132	88	41
		173.19 PNB 33	173.19 PNF 33	NPT 1	39	139	88	41
		173.19 PUB 3312	173.19 PUF 3312	UN 1-5/16-12	39	139	88	41