

Type	Max.Working Pressure Max. Betriebsdruck	Flow size Nennweite	Connections Anschlüsse	Circuits Kreislauf
rtc M090.09	16 bar	09	6 / 8 / 10 / 12 / 16 / 20 / 24	3 / 4 / 5 / 6 / 8 / 10 / 12

Temperature Range - Temperaturbereich

For oil / bei Öl -10°C +200°C (+14°F +392°F) FPM (V)

For water / bei Wasser -10°C +160°C (+14°F +320°F) FPM (V)



Specification

Connecting and disconnecting the circuits in one operation for quick mold change

Colour coded plates for circuit definition

Eigenschaften

Verbinden und Trennen von mehreren Kreisläufen in einem Arbeitsgang für das schnelle Rüsten

Kennzeichnung von Zu- und Rücklauf durch farbige Platten

Applications

Aluminium die casting

Test units

Plastics industry / cooling heating

Anwendungen

Aluminiumdruckguß

Prüfstände

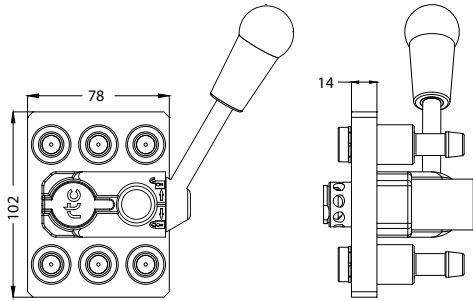
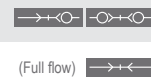
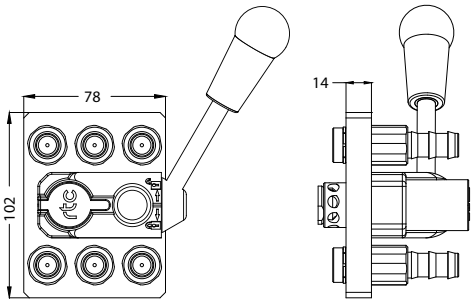
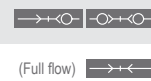
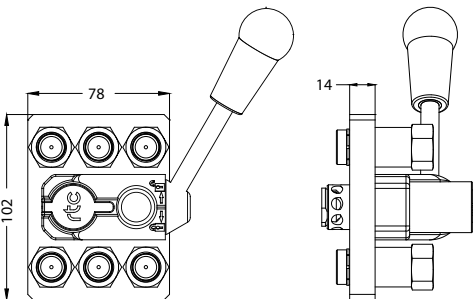
Kunststoffindustrie / Mehrkreistemperierung / Kühlen Temperieren

TYPE M 090.09

Mobile side / Versorgerseite

Item code / Artikelnummer

3 ↔ 3

Standard hose
SchlauchanschlussØ10
Ø12
Ø10
Ø12M 090.09-06 SHB 10
M 090.09-06 SHB 12
M 090.09-06 SHF 10
M 090.09-06 SHF 12Push to connect
SteckschlauchanschlussØ10
Ø13
Ø10
Ø13M 090.09-06 SPB 10
M 090.09-06 SPB 13
M 090.09-06 SPF 10
M 090.09-06 SPF 13Female thread
InnengewindeBSP 3/8
NPT 3/8
BSP 3/8
NPT 3/8M 090.09-06 SFB 17
M 090.09-06 SNB 17
M 090.09-06 SFF 17
M 090.09-06 SNF 17

TYPE K 090.09

Mould side / Abnehmerseite

Item code / Artikelnummer

3 ↔ 3

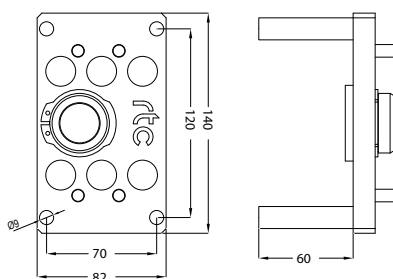
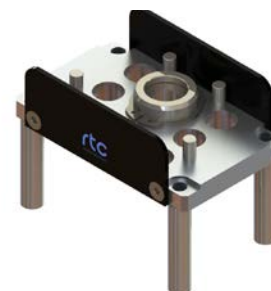
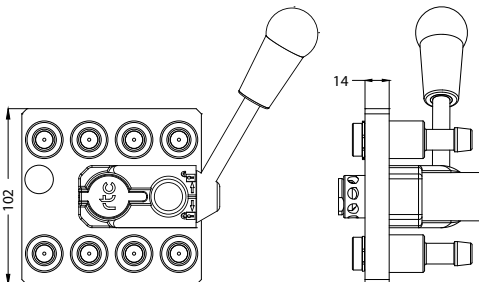
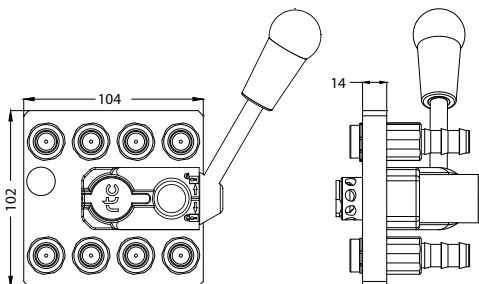
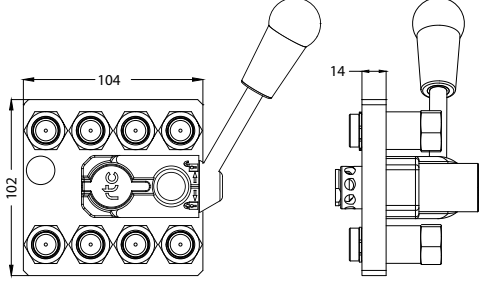
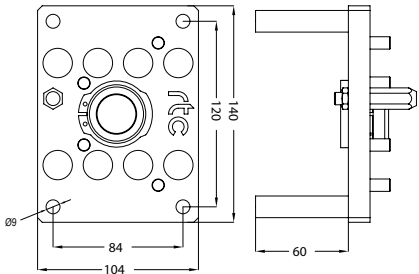


Plate for 6 lines / Platte für 6 Anschlüsse

K 090.09-06



TYPE M 090.09		Mobile side / Versorgerseite		Item code / Artikelnummer	
4 ↔ 4		Standard hose Schlauchanschluss	 Ø10 Ø12 (Full flow)  Ø10 Ø12	M 090.09-08 SHB 10 M 090.09-08 SHB 12 M 090.09-08 SHF 10 M 090.09-08 SHF 12	
		Push to connect Steckschlauchanschluss	 Ø10 Ø13 (Full flow)  Ø10 Ø13	M 090.09-08 SPB 10 M 090.09-08 SPB 13 M 090.09-08 SPF 10 M 090.09-08 SPF 13	
		Female thread Innengewinde	 BSP 3/8 NPT 3/8 (Full flow)  BSP 3/8 NPT 3/8	M 090.09-08 SFB 17 M 090.09-08 SNB 17 M 090.09-08 SFF 17 M 090.09-08 SNF 17	
TYPE K 090.09		Mould side / Abnehmerseite		Item code / Artikelnummer	
4 ↔ 4		Plate for 8 lines / Platte für 8 Anschlüsse		K 090.09-08	
					

TYPE M 090.09	Mobile side / Versorgerseite	Item code / Artikelnummer													
5 ↔ 5		Standard hose Schlauchanschluss	<table><tr><td></td><td>Ø10</td><td>M 090.09-10 SHB 10</td></tr><tr><td></td><td>Ø12</td><td>M 090.09-10 SHB 12</td></tr><tr><td>(Full flow) </td><td>Ø10</td><td>M 090.09-10 SHF 10</td></tr><tr><td></td><td>Ø12</td><td>M 090.09-10 SHF 12</td></tr></table>		Ø10	M 090.09-10 SHB 10		Ø12	M 090.09-10 SHB 12	(Full flow)	Ø10	M 090.09-10 SHF 10		Ø12	M 090.09-10 SHF 12
		Ø10	M 090.09-10 SHB 10												
		Ø12	M 090.09-10 SHB 12												
(Full flow)	Ø10	M 090.09-10 SHF 10													
	Ø12	M 090.09-10 SHF 12													
	Push to connect Steckschlauchanschluss	<table><tr><td></td><td>Ø10</td><td>M 090.09-10 SPB 10</td></tr><tr><td></td><td>Ø13</td><td>M 090.09-10 SPB 13</td></tr><tr><td>(Full flow) </td><td>Ø10</td><td>M 090.09-10 SPF 10</td></tr><tr><td></td><td>Ø13</td><td>M 090.09-10 SPF 13</td></tr></table>		Ø10	M 090.09-10 SPB 10		Ø13	M 090.09-10 SPB 13	(Full flow)	Ø10	M 090.09-10 SPF 10		Ø13	M 090.09-10 SPF 13	
	Ø10	M 090.09-10 SPB 10													
	Ø13	M 090.09-10 SPB 13													
(Full flow)	Ø10	M 090.09-10 SPF 10													
	Ø13	M 090.09-10 SPF 13													
	Female thread Innengewinde	<table><tr><td></td><td>BSP 3/8</td><td>M 090.09-10 SFB 17</td></tr><tr><td></td><td>NPT 3/8</td><td>M 090.09-10 SNB 17</td></tr><tr><td>(Full flow) </td><td>BSP 3/8</td><td>M 090.09-10 SFF 17</td></tr><tr><td></td><td>NPT 3/8</td><td>M 090.09-10 SNF 17</td></tr></table>		BSP 3/8	M 090.09-10 SFB 17		NPT 3/8	M 090.09-10 SNB 17	(Full flow)	BSP 3/8	M 090.09-10 SFF 17		NPT 3/8	M 090.09-10 SNF 17	
	BSP 3/8	M 090.09-10 SFB 17													
	NPT 3/8	M 090.09-10 SNB 17													
(Full flow)	BSP 3/8	M 090.09-10 SFF 17													
	NPT 3/8	M 090.09-10 SNF 17													
TYPE K 090.09	Mould side / Abnehmerseite	Item code / Artikelnummer													
5 ↔ 5		Plate with 10 plugs Platte mit 10 Anschlüsse	<table><tr><td></td><td>BSP 3/8</td><td>K 090.09-10 PMB 17</td></tr><tr><td>(Full flow) </td><td>BSP 3/8</td><td>K 090.09-10 PMF 17</td></tr></table>		BSP 3/8	K 090.09-10 PMB 17	(Full flow)	BSP 3/8	K 090.09-10 PMF 17						
		BSP 3/8	K 090.09-10 PMB 17												
(Full flow)	BSP 3/8	K 090.09-10 PMF 17													

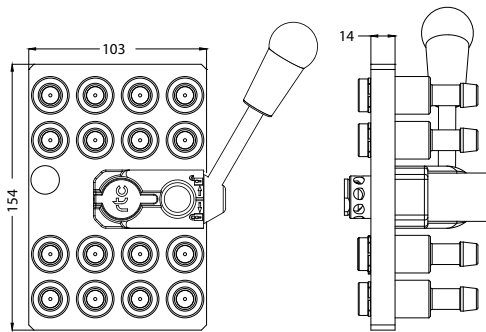
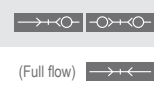
TYPE M 090.09		Mobile side / Versorgerseite		Item code / Artikelnummer	
6 ↔ 6			Standard hose Schlauchanschluss	Ø10 Ø12 (Full flow) Ø10 Ø12	M 090.09-12 SHB 10 M 090.09-12 SHB 12 M 090.09-12 SHF 10 M 090.09-12 SHF 12
			Push to connect Steckschlauchanschluss	Ø10 Ø13 (Full flow) Ø10 Ø13	M 090.09-12 SPB 10 M 090.09-12 SPB 13 M 090.09-12 SPF 10 M 090.09-12 SPF 13
			Female thread Innengewinde	BSP 3/8 NPT 3/8 (Full flow) BSP 3/8 NPT 3/8	M 090.09-12 SFB 17 M 090.09-12 SNB 17 M 090.09-12 SFF 17 M 090.09-12 SNF 17
			Female thread collector Innengewinde Sammler	BSP 1 NPT 1	M 090.09-12 C 33 M 090.09-12 CN 33
TYPE K 090.09		Mould side / Abnehmerseite		Item code / Artikelnummer	
6 ↔ 6		K 090.09-12 AD	Plate for 12 lines / Platte mit 12 Anschlüsse	K 090.09-12	

TYPE M 090.09

Mobile side / Versorgerseite

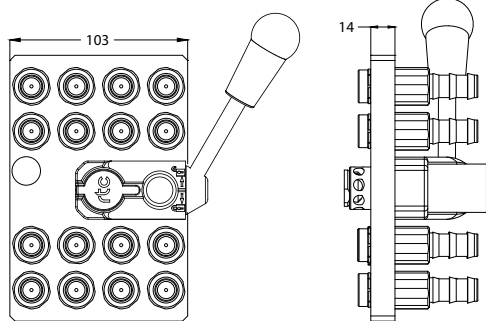
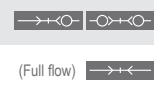
Item code / Artikelnummer

8 ↔ 8

Standard hose
Schlauchanschluss

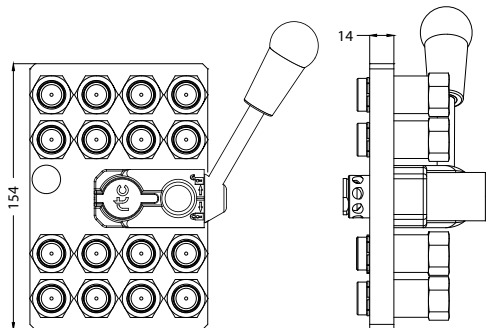
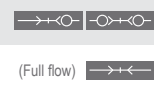
Ø10
Ø12
Ø10
Ø12

M 090.09-16 SHB 10
M 090.09-16 SHB 12
M 090.09-16 SHF 10
M 090.09-16 SHF 12

Push to connect
Steckschlauchanschluss

Ø10
Ø13
Ø10
Ø13

M 090.09-16 SPB 10
M 090.09-16 SPB 13
M 090.09-16 SPF 10
M 090.09-16 SPF 13

Female thread
Innengewinde

BSP 3/8
NPT 3/8
BSP 3/8
NPT 3/8

M 090.09-16 SFB 17
M 090.09-16 SNB 17
M 090.09-16 SFF 17
M 090.09-16 SNF 17



TYPE K 090.09

Mould side / Abnehmerseite

Item code / Artikelnummer

8 ↔ 8

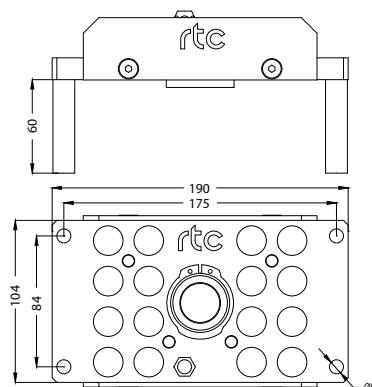
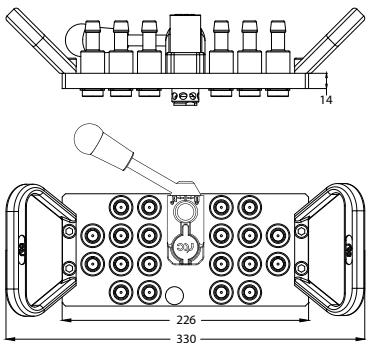
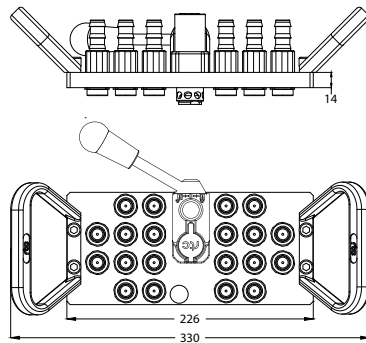
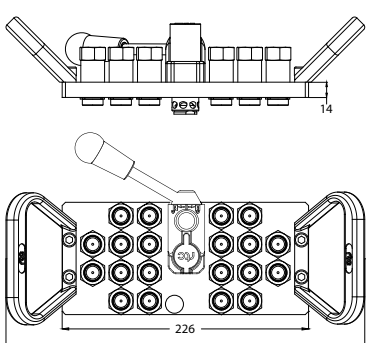
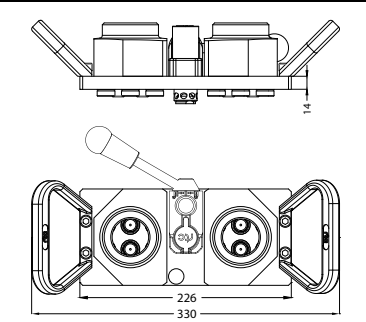
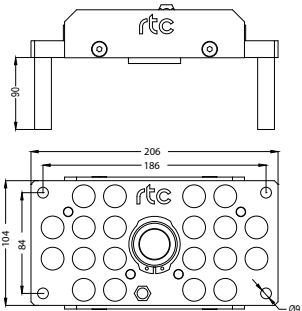


Plate for 16 lines / Platte für 16 Anschlüsse

K 090.09-16

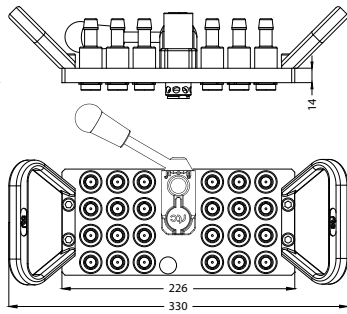


TYPE M 090.09		Mobile side / Versorgerseite		Item code / Artikelnummer	
10↔10		Standard hose Schlauchanschluss	 Ø10 Ø12 (Full flow)  Ø10 Ø12	M 090.09-20 SHB 10 M 090.09-20 SHB 12 M 090.09-20 SHF 10 M 090.09-20 SHF 12	
		Push to connect Steckschlauchanschluss	 Ø10 Ø13 (Full flow)  Ø10 Ø13	M 090.09-20 SPB 10 M 090.09-20 SPB 13 M 090.09-20 SPF 10 M 090.09-20 SPF 13	
		Female thread Innengewinde	 BSP 3/8 NPT 3/8 (Full flow)  BSP 3/8 NPT 3/8	M 090.09-20 SFB 17 M 090.09-20 SNB 17 M 090.09-20 SFF 17 M 090.09-20 SNF 17	
		Female thread collector Innengewinde Sammler	 BSP 1.1/4 NPT 1.1/4	M 090.09-20 C 42 M 090.09-20 CN 42	
TYPE K 090.09		Mould side / Abnehmerseite		Item code / Artikelnummer	
10↔10		Plate for 20 lines / Platte für 20 Anschlüsse		K 090.09-20	
					

TYPE M 090.09

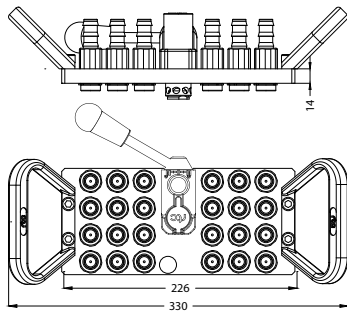
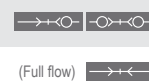
Mobile side / Versorgerseite

Item code / Artikelnummer

12 $\longleftrightarrow$ 12Standard hose
Schlauchanschluss

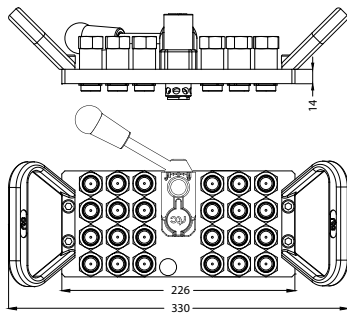
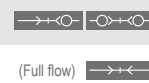
Ø10
Ø12
Ø10
Ø12

M 090.09-24 SHB 10
M 090.09-24 SHB 12
M 090.09-24 SHF 10
M 090.09-24 SHF 12

Push to connect
Steckschlauchanschluss

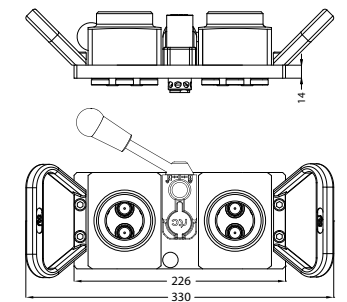
Ø10
Ø13
Ø10
Ø13

M 090.09-24 SPB 10
M 090.09-24 SPB 13
M 090.09-24 SPF 10
M 090.09-24 SPF 13

Female thread
Innengewinde

BSP 3/8
NPT 3/8
BSP 3/8
NPT 3/8

M 090.09-24 SFB 17
M 090.09-24 SNB 17
M 090.09-24 SFF 17
M 090.09-24 SNF 17

Female thread collector
Innengewinde Sammler

BSP 1-1/4
NPT 1-1/4

M 090.09-24 C 42
M 090.09-24 CN 42



TYPE K 090.09

Mould side / Abnehmerseite

Item code / Artikelnummer

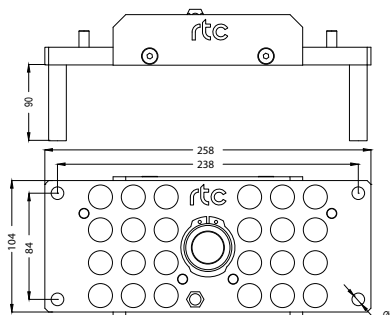
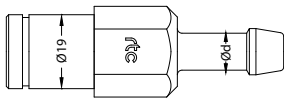
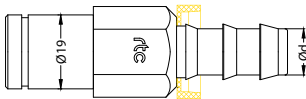
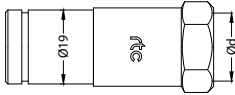
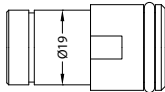
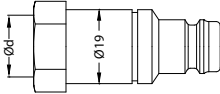
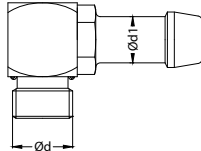
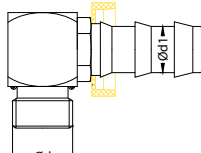
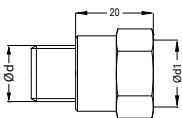
12 $\longleftrightarrow$ 12

Plate for 24 lines / Platte für 24 Anschlüsse

K 090.09-24



TYPE M 090.09	Sockets / Kupplungen	Connection / Anschluss		Item code / Artikelnummer
		Standard hose Schlauchanschluss	 Ø10 Ø12	M 090.09 SHB 10 M 090.09 SHB 12
			(Full flow)  Ø10 Ø12	M 090.09 SHF 10 M 090.09 SHF 12
		Push to connect Steckschlauchanschluss	 Ø10 Ø13	M 090.09 SPB 10 M 090.09 SPB 13
			(Full flow)  Ø10 Ø13	M 090.09 SPF 10 M 090.09 SPF 13
		Female thread Innengewinde	 BSP 3/8 NPT 3/8	M 090.09 SFB 17 M 090.09 SNB 17
(Full flow)  BSP 3/8 NPT 3/8			M 090.09 SFF 17 M 090.09 SNF 17	
	For collector Für Sammler		M 090.09 SAB 00	
TYPE M 090.09	Plugs / Nippel	Connection / Anschluss		Item code / Artikelnummer
		Female thread Innengewinde	 BSP 3/8 NPT 3/8	M 090.09 PFB 17 M 090.09 PNB 17
			(Full flow)  BSP 3/8 NPT 3/8	M 090.09 PFF 17 M 090.09 PNF 17
TYPE M 090.09	Adapters elbow / Adapter Winkel	Connection / Anschluss		Item code / Artikelnummer
		Standard hose Schlauchanschluss	BSP 3/8 → Ø10 Ø12	EBH 17/10-90 EBH 17/12-90
			NPT 3/8 → Ø10 Ø12	EBH 17T/10-90 EBH 17T/12-90
		Push to connect Steckschlauchanschluss	BSP 3/8 → Ø10 Ø13	EBP 17/10-90 EBP 17/13-90
			NPT 3/8 → Ø10 Ø13	EBP 17T/10-90 EBP 17T/13-90
		TE 17-20 BSP 3/8" Male (Ød) - BSP 3/8" Female (Ød1) Extention BSP 3/8" Aussengewinde (Ød) - BSP 3/8" Innengewinde (Ød1) Verlängerung		
TE 17-17N-20 BSP 3/8" Male (Ød) - NPT 3/8" Female (Ød1) Extention BSP 3/8" Aussengewinde (Ød) - NPT 3/8" Innengewinde (Ød1) Verlängerung				
		TE 17T-17N-20 NPT 3/8" Male (Ød) - NPT 3/8" Female (Ød1) Extention NPT 3/8" Aussengewinde (Ød) - NPT 3/8" Innengewinde (Ød1) Verlängerung		