

RMI multi-couplings
Temperature control





Centralised connections...

Applications

Centralised connections of control circuits

- Optimised time for changing moulds
- Streamlined connections

New models

- Even more efficient.
- New features to discover on pages 6 and 7.

Even better performance

- Optimum mechanical strength and temperature resistance
- Reliable and robust ball locking

New locking system design

- Ergonomic and compact.

Efficient and fast

- Safe and fast connections and disconnections with simple rotation of the control lever.

A full range

The multi-coupling range is composed of four main families corresponding to 4 Ø of passage:

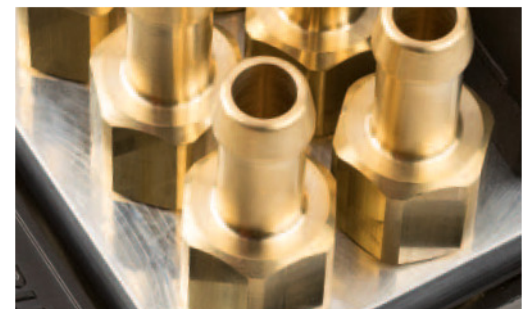
- 6 mm > RMI 206
 - 9 mm > RMI 209
 - 12 mm > RMI 212
 - 16 mm > RMI 216
- (see details on pages 4 and 5).



The opportunity to spend less and contribute to a sustainable development programme

With Stäubli, you can rely on:

- the performance of your equipment
- reliability of long-term investments.





... for greater implementation speed

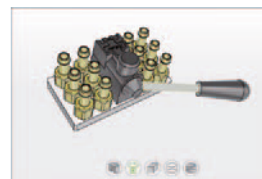
Flexibility of use

- Systems tailored to both existing and new presses and moulds.
- Plate on the mould side provided with or without shutoff of the circuits depending on your requirements.
- 3 grades of seals (Fluorocarbon, Ethylene-Propylene and Nitrile) to fulfil all conditions of use.

Safe

- No connection error possible: coupling in one single position.
- Foolproof keying system available to prevent any cross connection in the event of the use of several plates on the same mould (for models RMI 209 and RMI 212.12).
- Robust locking system.
- Automatic shutoff of supply circuits upon disconnection.

CAD files available on request from our sales network.



Registered Community Design

4 major standards which can be modulated at will depending on the number of circuits to connect

- **RMI 206**
Passage diameter: 6 mm

- **RMI 209**
Passage diameter: 9 mm




6 couplings - 3 circuits..... **RMI 206.06**



Available in 4 versions :

- 6 couplings (3 circuits)..... **RMI 209.06**
- 10 couplings (5 circuits)..... **RMI 209.10**
compact construction
- 12 couplings (6 circuits)..... **RMI 209.12**
- 20 couplings (10 circuits)..... **RMI 209.20**

2 types of shut-off

Press side:
Shut-off sockets 

Mould side :

Plugs:
- full flow 
- auto shut-off 

Many types of connections



- female thread
- male thread
- for flexible hose
- for self-clamping hose
- centralised power supply and output

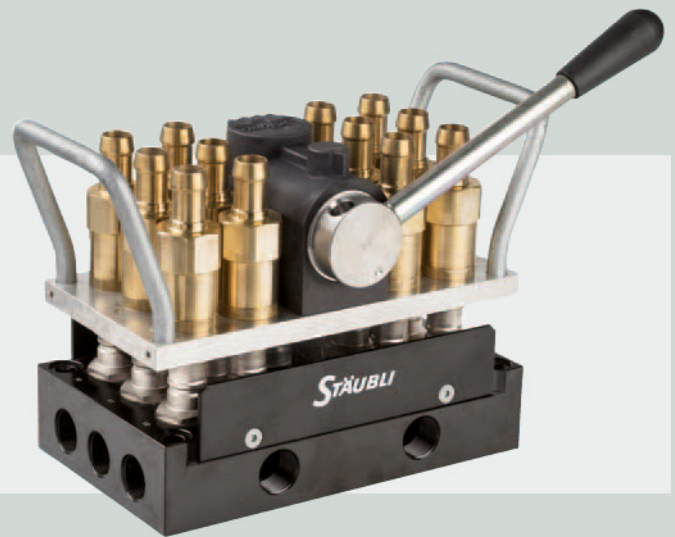
■ **RMI 212**

Passage diameter: 12 mm



■ **RMI 216**

Passage diameter: 16 mm



Available in 3 versions :

- 10 couplings (5 circuits)..... **RMI 212.10**
- 12 couplings (6 circuits)..... **RMI 212.12**
- 20 couplings (10 circuits)..... **RMI 212.20**

- 12 couplings (6 circuits)..... **RMI 216.12**

3 types of seals



- Fluorocarbon (FPM)
- Ethylene-Propylene (EPDM)
- Nitrile (NBR)

Being very comprehensive and modular, the RMI range offers many options and additional equipment

All options shown on pages 6 and 7 can be used together

Options

Integrated into the product upon order: see corresponding codes on pages 8 to 27.

Safety locking

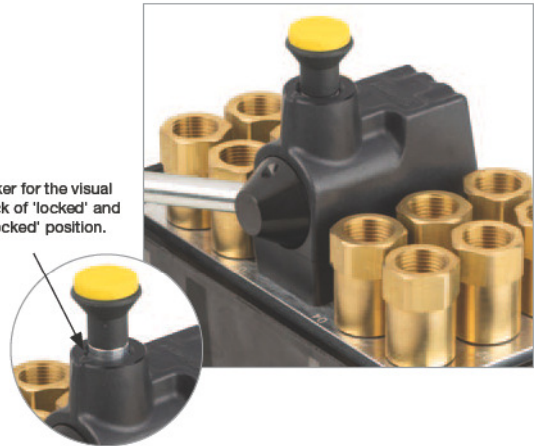
VS option

This safety feature, automatically triggered during connection, prevents any plates from accidental disconnection, even if the control lever is knocked.

To disconnect, simultaneously pull the safety system button and turn the control lever.

Visual check: when the safety device is triggered, the grey marker can no longer be seen.

Marker for the visual check of 'locked' and 'unlocked' position.



Reversed control lever

LH option

This option makes it possible:

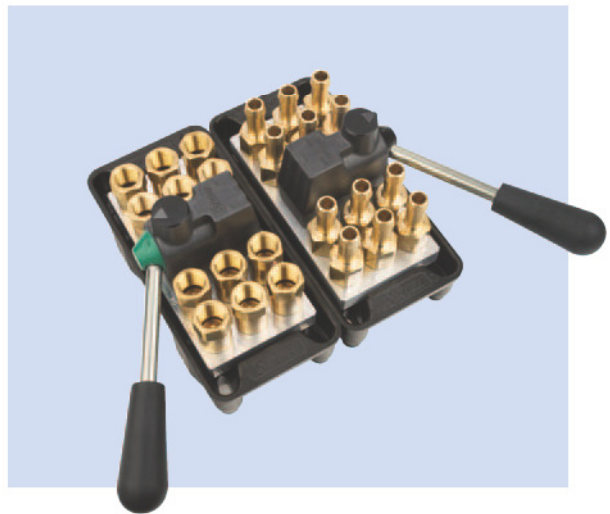
- for moulds with many circuits, to install 2 multi-couplings side by side in a small space whilst keeping the same direction of use for the control lever.



- in setup configurations where there is not enough clearance for the control lever, to reverse the position of the lever and still keep the same operating direction.
- to optimise the use of available space on moulds and presses whilst maintaining easy handling.

It is ergonomic, safe and saves space as well as being flexible in operation and equipment design.

Immediate identification of the LH option by a green mark.



The VS and LH options can be combined in a single VS/LH version

VS/LH option

This version combines locking safety with flexible operation and equipment design.



Options

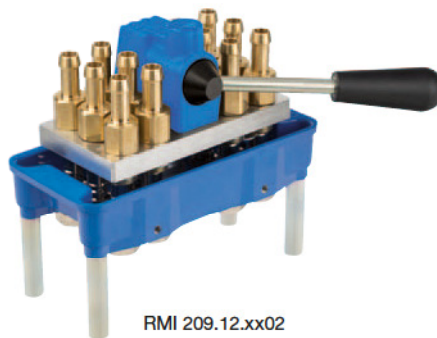
Integrated into the product upon order: see corresponding codes on pages 8 to 27.

Immediate visual identification of the plates using colour codes

KB and KR* options

2 colours: blue (code KB) and red (code KR) that enable corresponding press side and mould side plates to be immediately identified.

* not available for model RMI 209.06



RMI 209.12.xx02

Additional equipment

to be ordered separately: see part-numbers on pages 24-25.

Parking plate

equipped with a locking system for storage of the plate when not in use.

Parking plate for RMI 212 and RMI 216 models can be fitted with a proximity sensor (as an option).



Foolproof keying system

Enables all connection errors to be avoided when using several plates on the same mould.

Available for RMI 209 (except RMI 209.10) and RMI 212.12 models.

Quick resting plate

for temporary resting of the plate during quick mould change operations.

Available for RMI 212 and RMI 216 models.



Carrying handle

For even easier handling. Particularly convenient for large dimension plates, the handles are:

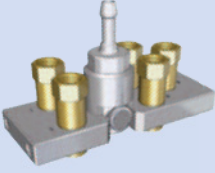
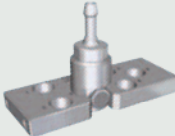

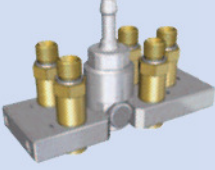
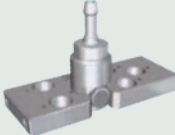


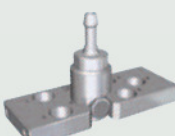

- available for RMI 212.10 and RMI 212.12 models
- delivered as standard for RMI 212.20 and RMI 216 models.

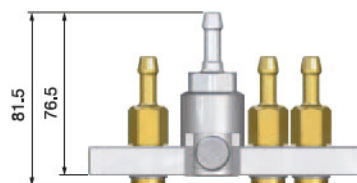
(not available for RMI 206 and RMI 209 models.)

Part-numbers

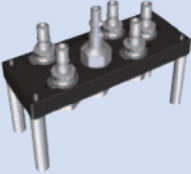


RMI 206.06 - 6 socket plates - Press equipment

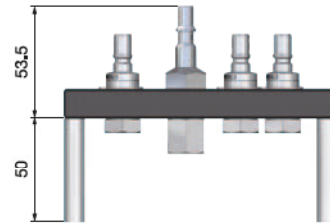
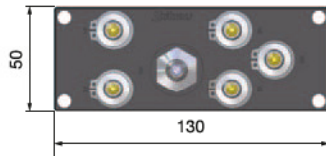
RMI 206.06

Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers	
			Plate without socket	Socket only
Female thread			 RMI 206.06 .1000	 RMI 06.2101/JV RMI 06.2201/JV
	G 1/4	RMI 206.06.1101/JV		
	NPT 1/4	RMI 206.06.1201/JV		
Male thread			 RMI 206.06 .1000	 RMI 06.2151/JV
	G 1/4	RMI 206.06.1151/JV		
For flexible hose			 RMI 206.06.1000	 RMI 06.2808/JV RMI 06.2810/JV
	Ø int. 8 mm	RMI 206.06.1808/JV		
	Ø int. 10 mm	RMI 206.06.1810/JV		



RMI 206.06 - 6 plug plates - Mould equipment

Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers		RMI 206.06	
			Plate without plug	Plug only		
Female thread		 <p>With full flow plugs</p>	 <p>RMI 206.06.6000</p>	 <p>full flow</p>		
	G 1/4	RMI 206.06.6101				RMI 06.4101
	NPT 1/4	RMI 206.06.6201	RMI 06.4201			
		<p>With auto shut-off plugs</p>	<p>RMI 206.06.6000</p>	<p>auto shut-off</p>		
	G 1/4	RMI 206.06.7101/JV				RMI 06.5101/JV
	NPT 1/4	RMI 206.06.7201/JV				RMI 06.5201/JV



Additional equipment

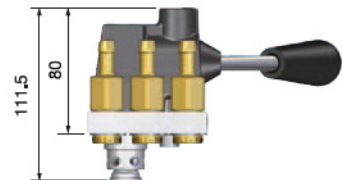
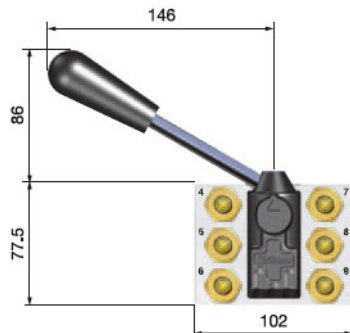
- Parking plate: see part-numbers page 29.

Part-numbers

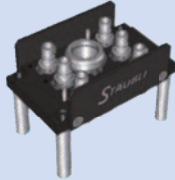


RMI 209.06 - 6 socket plates - Press equipment

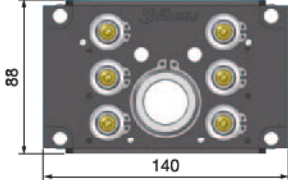
RMI 209.06

Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers	
			Plate without socket	Socket only
Female thread	G 3/8	RMI 209.06.1102/JV	RMI 209.06.1000	RMI 09.2102/JV
	NPT 3/8	RMI 209.06.1202/JV		RMI 09.2202/JV
Male thread	G 3/8	RMI 209.06.1152/JV	RMI 209.06.1000	RMI 09.2152/JV
For flexible hose	Ø int. 10 mm	RMI 209.06.1810/JV	RMI 209.06.1000	RMI 09.2810/JV
	Ø int. 12 mm	RMI 209.06.1812/JV		RMI 09.2812/JV
For self-clamping flexible hose	3/8"	RMI 209.06.1810/CN/JV	RMI 209.06.1000	RMI 09.2810/CN/JV
	1/2"	RMI 209.06.1813/CN/JV		RMI 09.2813/CN/JV

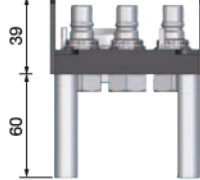


RMI 209.06 - 6 plug plates - Mould equipment

Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers		RMI 209.06
			Plate without plug	Plug only	
Female thread		 <p>With full flow plugs</p>	 <p>RMI 209.06.6000</p>	 <p>full flow</p>	
	G 3/8	RMI 209.06.6102			
	NPT 3/8	RMI 209.06.6202	RMI 09.4202		
		<p>With auto shut-off plugs</p>		<p>auto shut-off</p>	
	G 3/8	RMI 209.06.7102/JV	RMI 09.5102/JV		
	NPT 3/8	RMI 209.06.7202/JV	RMI 09.5202/JV		



88
140



39
60

Options

Add the corresponding option codes to the **RMI 209.06.1xxx/JV** part-numbers page 10:

- Safety locking code **VS**
- Reversed control lever code **LH**
- VS and LH option combination code **VS/LH**

Identification of the associated plates with colour code

Add the corresponding colour code to the part-numbers pages 10-11:

- blue code **KB**
- red code **KR**

Additional equipment

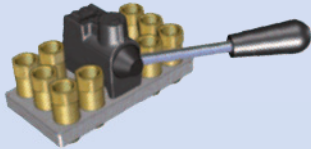
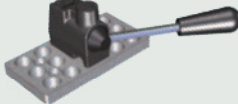

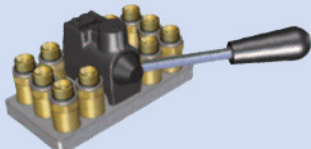
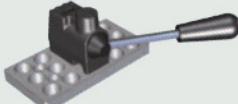

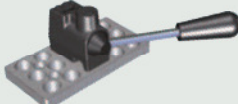
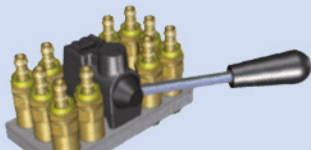


- Parking plate and foolproof keying system: see part-numbers pages 28-29.

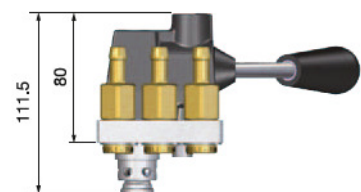
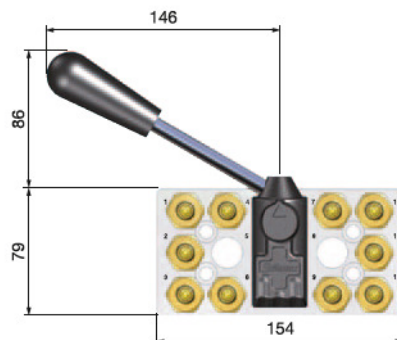
Options and additional equipment shown on pages 6 and 7.

Part-numbers

RMI 209.10 - 10 socket plates - Press equipment

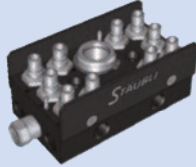
RMI 209.10

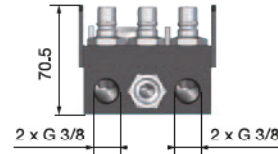
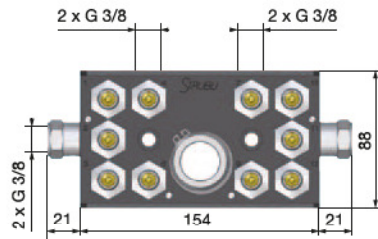
Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers	
			Plate without socket	Socket only
Female thread	G 3/8	 RMI 209.10.1102/JV	 RMI 209.12.1000	 RMI 09.2102/JV
Male thread	G 3/8	 RMI 209.10.1152/JV	 RMI 209.12.1000	 RMI 09.2152/JV
For flexible hose	Ø int. 10 mm	RMI 209.10.1810/JV	 RMI 209.12.1000	RMI 09.2810/JV
	Ø int. 12 mm	RMI 209.10.1812/JV		RMI 09.2812/JV
For self-clamping flexible hose	1/2"	 RMI 209.10.1813/CN/JV	 RMI 209.12.1000	 RMI 09.2813/CN/JV



RMI 209.10 - 10 plug plates - Mould equipment

RMI 209.10

Description	End connection	Equipped plate part-numbers
Female thread		 <p>With full flow plugs</p>
	G 3/8	RMI 209.10.6102
		<p>With auto shut-off plugs</p>
	G 3/8	RMI 209.10.7102/JV



Options

Add the corresponding option codes to the RMI 209.10.1xxx/JV part-numbers page 12:

- Safety locking code VS
- Reversed control lever code LH
- VS and LH option combination code VS/LH

Identification of the associated plates with colour code

Add the corresponding colour code to the part-numbers pages 12-13:

- blue code KB
- red code KR

Additional equipment

- Parking plate: see part-numbers pages 28-29.

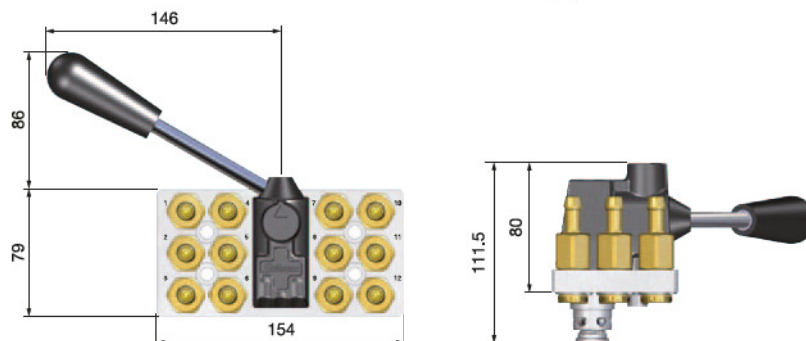
Options and additional equipment shown on pages 6 and 7.

Part-numbers

RMI 209.12 - 12 socket plates - Press equipment

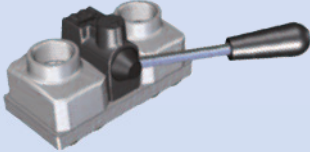
RMI 209.12

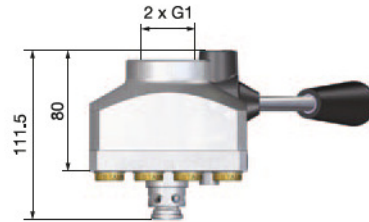
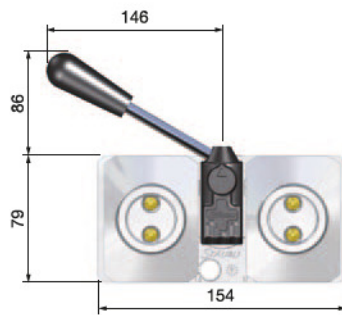
Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers	
			Plate without socket	Socket only
Female thread	G 3/8	RMI 209.12.1102/JV	RMI 209.12.1000	RMI 09.2102/JV
	NPT 3/8	RMI 209.12.1202/JV		RMI 09.2202/JV
Male thread	G 3/8	RMI 209.12.1152/JV	RMI 209.12.1000	RMI 09.2152/JV
For flexible hose	Ø int. 10 mm	RMI 209.12.1810/JV	RMI 209.12.1000	RMI 09.2810/JV
	Ø int. 12 mm	RMI 209.12.1812/JV		RMI 09.2812/JV
For self-clamping flexible hose	3/8"	RMI 209.12.1810/CN/JV	RMI 209.12.1000	RMI 09.2810/CN/JV
	1/2"	RMI 209.12.1813/CN/JV		RMI 09.2813/CN/JV



RMI 209.12 - 12 socket plates - Press equipment

RMI 209.12

Description	End connection	Equipped plate part-numbers
Plate with centralised power supply and output	G 1	 <p>RMI 209.12.1105/JV</p>



Options

Add the corresponding option codes to the **RMI 209.12.1xxx/JV** part-numbers page 14-15:

- Safety locking code **VS**
- Reversed control lever code **LH**
- VS and LH option combination code **VS/LH**

Identification of the associated plates with colour code

Add the corresponding colour code to the part-numbers pages 14-15:

- blue code **KB**
- red code **KR**

Additional equipment

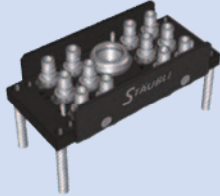
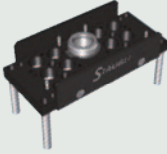

- Parking plate and foolproof keying system: see part-numbers pages 28-29.

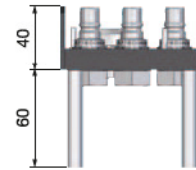
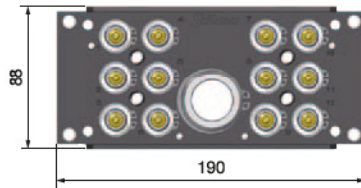
Options and additional equipment shown on pages 6 and 7.

Part-numbers

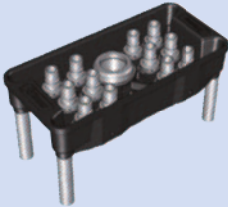
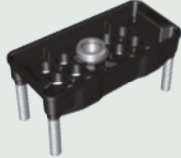

RMI 209.12 - 12 plug plates - Mould equipment

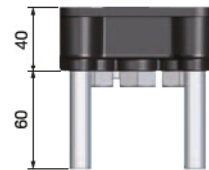
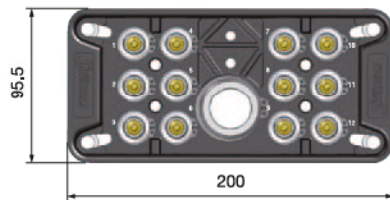
RMI 209.12

Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers	
			Plate without plug	Plug only
Female thread		 <p>With full flow plugs</p>	 <p>RMI 209.12.6000/L</p>	 <p>full flow</p> <p>RMI 09.4102</p> <p>RMI 09.4202</p>
	G 3/8	RMI 209.12.6102/L		
	NPT 3/8	RMI 209.12.6202/L		
		<p>With auto shut-off plugs</p>	<p>RMI 209.12.6000/L</p>	<p>auto shut-off</p> <p>RMI 09.5102/JV</p> <p>RMI 09.5202/JV</p>
	G 3/8	RMI 209.12.7102/L/JV		
NPT 3/8	RMI 209.12.7202/L/JV			



RMI 209.12 - 12 plug plates - Mould equipment

Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers		RMI 209.12	
			Plate without plug	Plug only		
Female thread		 <p>With full flow plugs</p>	 <p>RMI 209.12.6002</p>	 <p>full flow</p>		
	G 3/8	RMI 209.12.6102			RMI 09.4102	
	NPT 3/8	RMI 209.12.6202			RMI 09.4202	
			With auto shut-off plugs		auto shut-off	
	G 3/8	RMI 209.12.7102/JV	RMI 09.5102/JV			
NPT 3/8	RMI 209.12.7202/JV	RMI 09.5202/JV				



Options

Identification of the associated plates with colour code
Add the corresponding colour code to the part-numbers pages 16-17:

- blue code KB
- red code KR

Additional equipment

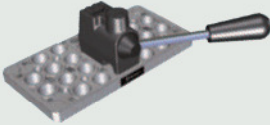

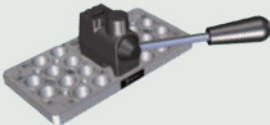



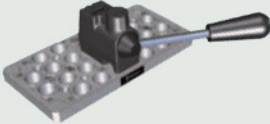

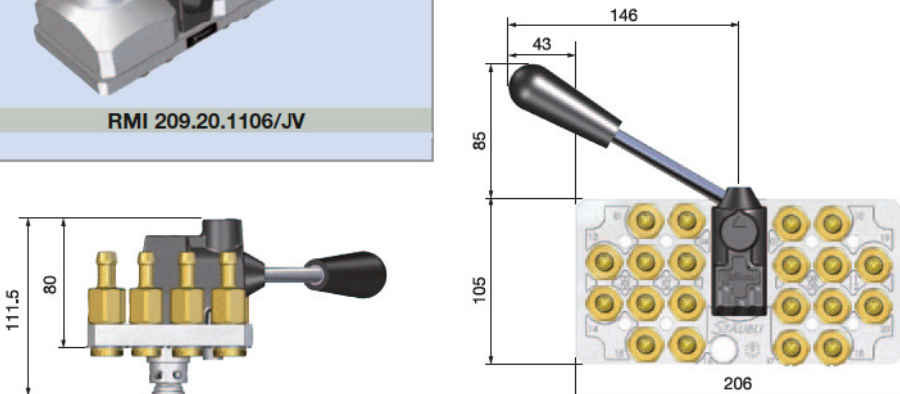
- Parking plate and foolproof keying system: see part-numbers pages 28-29.

Options and additional equipment shown on pages 6 and 7.

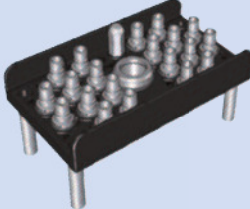


Part-numbers

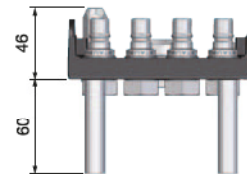
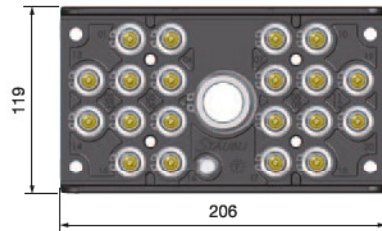
RMI 209.20 - 20 socket plates - Press equipment

RMI 209.20

Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers	
			Plate without socket	Socket only
Female thread	G 3/8	RMI 209.20.1102/JV	 RMI 209.20.1000	 RMI 09.2102/JV RMI 09.2202/JV
	NPT 3/8	RMI 209.20.1202/JV		
Male thread	G 3/8	RMI 209.20.1152/JV	 RMI 209.20.1000	 RMI 09.2152/JV
For flexible hose	Ø int. 10 mm	RMI 209.20.1810/JV	 RMI 209.20.1000	 RMI 09.2810/JV RMI 09.2812/JV
	Ø int. 12 mm	RMI 209.20.1812/JV		
For self-clamping flexible hose	3/8"	RMI 209.20.1810/CN/JV	 RMI 209.20.1000	 RMI 09.2810/CN/JV RMI 09.2813/CN/JV
	1/2"	RMI 209.20.1813/CN/JV		
Plate with centralised power supply and output	G 1 1/4	RMI 209.20.1106/JV		

RMI 209.20 - 20 plug plates - Mould equipment

Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers		RMI 209.20
			Plate without plug	Plug only	
Female thread		 <p>With full flow plugs</p>	 <p>RMI 209.20.6000</p>	 <p>full flow</p> <p>RMI 09.4102</p> <p>RMI 09.4202</p>	
	G 3/8	RMI 209.20.6102			
	NPT 3/8	RMI 209.20.6202			
		<p>With auto shut-off plugs</p>	<p>RMI 209.20.6000</p>	<p>auto shut-off</p> <p>RMI 09.5102/JV</p> <p>RMI 09.5202/JV</p>	
	G 3/8	RMI 209.20.7102/JV			
	NPT 3/8	RMI 209.20.7202/JV			



Options

Add the corresponding option codes to the **RMI 209.20.1xxx/JV** part-numbers page 18:

- Safety locking code **VS**
- Reversed control lever code **LH**
- VS and LH option combination code **VS/LH**

Identification of the associated plates with colour code

Add the corresponding colour code to the part-numbers pages 18-19:

- blue code **KB**
- red code **KR**

Additional equipment

- Parking plate and foolproof keying system: see part-numbers pages 28-29.

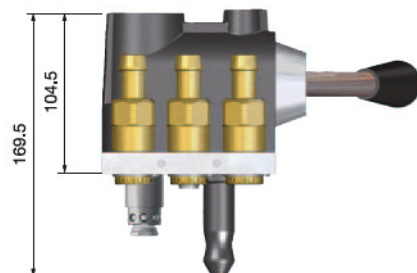
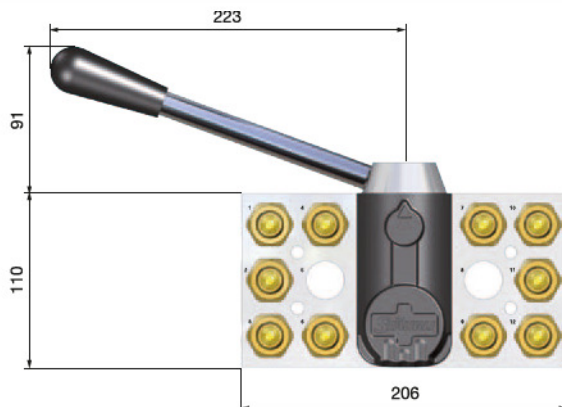
Options and additional equipment shown on pages 6 and 7.

Part-numbers

RMI 212.10 - 10 socket plates - Press equipment

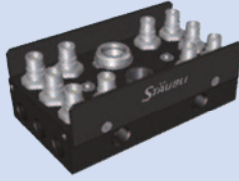
RMI 212.10

Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers	
			Plate without socket	Socket only
Female thread	G 1/2	RMI 212.10.1103/JV	RMI 212.12.1000	RMI 12.2103/JV
	NPT 1/2	RMI 212.10.1203/JV		RMI 12.2203/JV
Male thread	G 1/2	RMI 212.10.1153/JV	RMI 212.12.1000	RMI 12.2153/JV
For flexible hose	Ø int. 16 mm	RMI 212.10.1816/JV	RMI 212.12.1000	RMI 12.2816/JV
For self-clamping flexible hose	5/8 "	RMI 212.10.1816/CN/JV	RMI 212.12.1000	RMI 12.2816/CN/JV



RMI 212.10 - 10 plug plates - Mould equipment

RMI 212.10

Description	End connection	Equipped plate part-numbers
Female thread		 <p>With full flow plugs</p>
	G 1/2	RMI 212.10.6103
	NPT 1/2	RMI 212.10.6203
		<p>With auto shut-off plugs</p>
	G 1/2	RMI 212.10.7103/JV
	NPT 1/2	RMI 212.10.7203/JV

Options

Add the corresponding option codes to the **RMI 212.10.1xxx/JV** part-numbers page 20:

- Safety locking code **VS**
- Reversed control lever code **LH**
- VS and LH option combination code **VS/LH**

Identification of the associated plates with colour code

Add the corresponding colour code to the part-numbers pages 20-21:

- blue code **KB**
- red code **KR**

Additional equipment

- Parking plate, quick resting plate and carrying handle: see part-numbers pages 28-29.

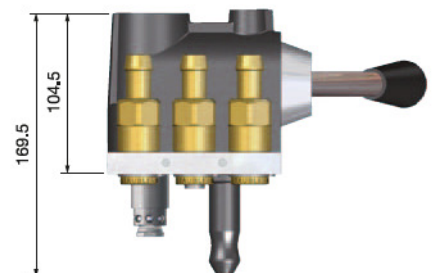
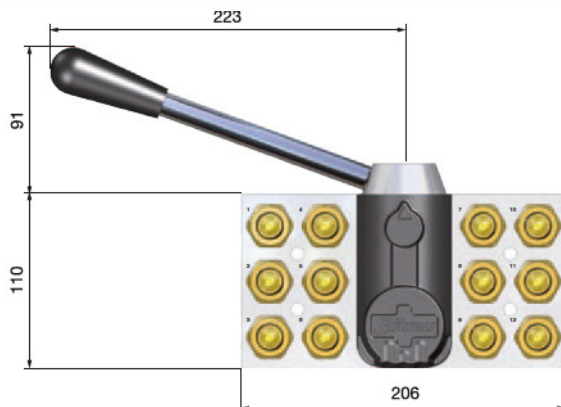
Options and additional equipment shown on pages 6 and 7.

Part-numbers


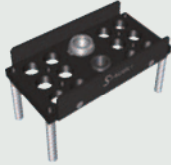

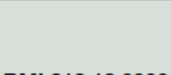
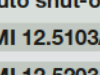
RMI 212.12 - 12 socket plates - Press equipment

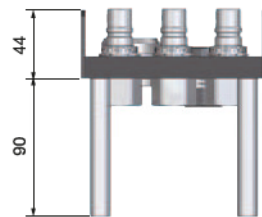
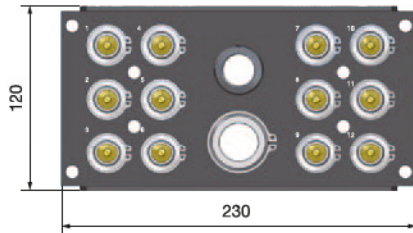
RMI 212.12

Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers	
			Plate without socket	Socket only
Female thread	G 1/2	RMI 212.12.1103/JV	RMI 212.12.1000	RMI 12.2103/JV
	NPT 1/2	RMI 212.12.1203/JV		RMI 12.2203/JV
Male thread	G 1/2	RMI 212.12.1153/JV	RMI 212.12.1000	RMI 12.2153/JV
For flexible hose	Ø int. 16 mm	RMI 212.12.1816/JV	RMI 212.12.1000	RMI 12.2816/JV
For self-clamping flexible hose	5/8 "	RMI 212.12.1816/CN/JV	RMI 212.12.1000	RMI 12.2816/CN/JV



RMI 212.12 - 12 plug plates - Mould equipment

Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers		RMI 212.12	
			Plate without plug	Plug only		
Female thread		 <p>With full flow plugs</p>	 <p>RMI 212.12.6000</p>	 <p>full flow</p>		
	G 1/2	RMI 212.12.6103				RMI 12.4103
	NPT 1/2	RMI 212.12.6203				RMI 12.4203
			With auto shut-off plugs	 <p>RMI 212.12.6000</p>		 <p>auto shut-off</p>
	G 1/2	RMI 212.12.7103/JV	RMI 12.5103/JV			
	NPT 1/2	RMI 212.12.7203/JV	RMI 12.5203/JV			



Options

Add the corresponding option codes to the **MI 212.12.1xxx/JV** part-numbers page 22:

- Safety locking code **VS**
- Reversed control lever code **LH**
- VS and LH option combination code **VS/LH**

Identification of the associated plates with colour code

Add the corresponding colour code to the part-numbers pages 22-23:

- blue code **KB**
- red code **KR**

Additional equipment

- Parking plate, quick resting plate, foolproof keying system and carrying handle: see part-numbers pages 28-29.

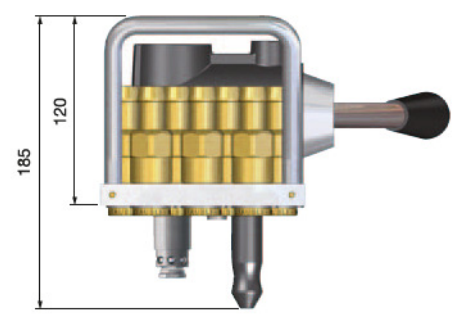
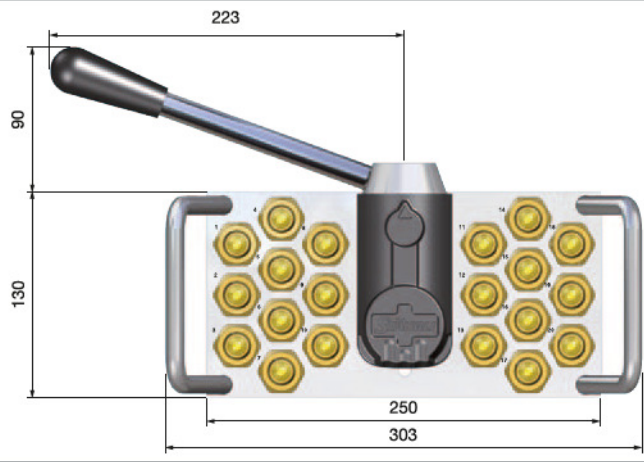
Options and additional equipment shown on pages 6 and 7.

Part-numbers


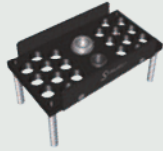

RMI 212.20 - 20 socket plates - Press equipment

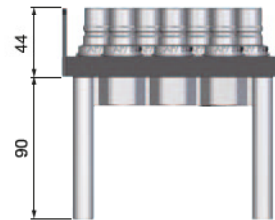
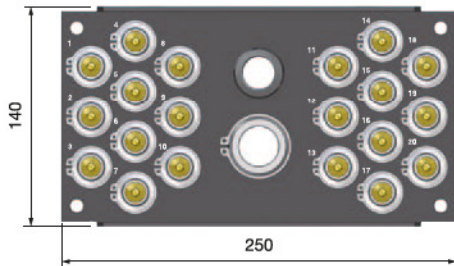
RMI 212.20

Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers	
			Plate without socket	Socket only
Female thread	G 1/2	RMI 212.20.1103/JV	RMI 212.20.1000	RMI 12.2103/JV
	NPT 1/2	RMI 212.20.1203/JV		RMI 12.2203/JV
Male thread	G 1/2	RMI 212.20.1153/JV	RMI 212.20.1000	RMI 12.2153/JV
For flexible hose	Ø int. 16 mm	RMI 212.20.1816/JV	RMI 212.20.1000	RMI 12.2816/JV
For self-clamping flexible hose	5/8 "	RMI 212.20.1816/CN/JV	RMI 212.20.1000	RMI 12.2816/CN/JV



RMI 212.20 - 20 plug plates - Mould equipment

Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers		RMI 212.20					
			Plate without plug	Plug only						
Female thread		 <p>With full flow plugs</p> <p>G 1/2 RMI 212.20.6103</p> <p>NPT 1/2 RMI 212.20.6203</p>	 <p>RMI 212.20.6000</p>	 <p>full flow</p> <p>RMI 12.4103</p> <p>RMI 12.4203</p>						
						<p>With auto shut-off plugs</p> <p>G 1/2 RMI 212.20.7103/JV</p> <p>NPT 1/2 RMI 212.20.7203/JV</p>	<p>RMI 212.20.6000</p>	<p>auto shut-off</p> <p>RMI 12.5103/JV</p> <p>RMI 12.5203/JV</p>		



Options

Add the corresponding option codes to the **RMI 212.20.1xxx/JV** part-numbers page 24:

- Safety locking code **VS**
- Reversed control lever code **LH**
- VS and LH option combination code **VS/LH**

Identification of the associated plates with colour code

Add the corresponding colour code to the part-numbers pages 24-25:

- blue code **KB**
- red code **KR**

Additional equipment

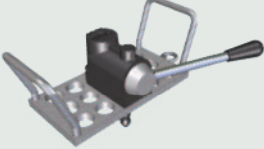

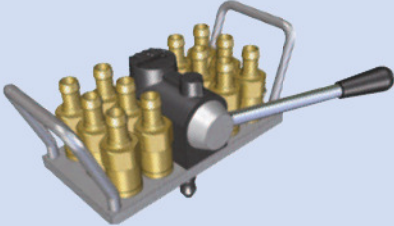

- Parking plate, quick resting plate and foolproof keying system: see part-numbers pages 28-29.

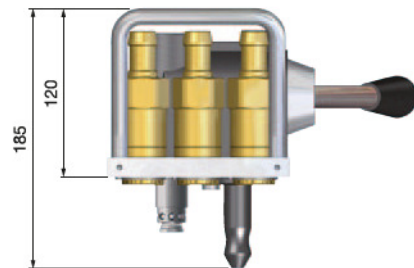
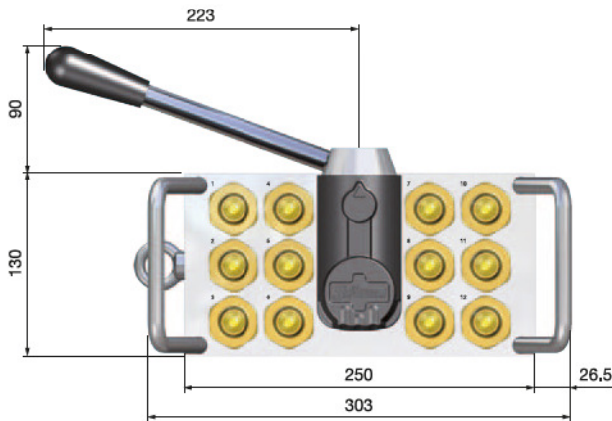
Options and additional equipment shown on pages 6 and 7.

Part-numbers

RMI 216.12 - 12 socket plates - Press equipment

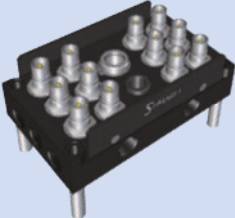
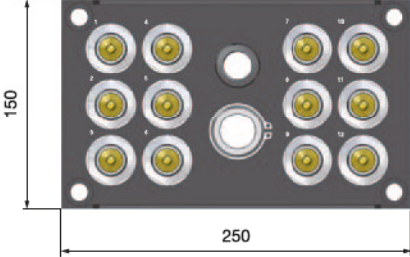
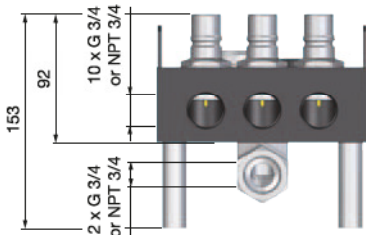
RMI 216.12

Description	End connection	Equipped plate part-numbers	Components for tailor-made configuration part-numbers	
			Plate without socket	Socket only
Female thread	G 3/4	RMI 216.12.1104/JV	 RMI 216.12.1000	 RMI 16.2104/JV
	NPT 3/4	RMI 216.12.1204/JV		RMI 16.2204/JV
For flexible hose	Ø int. 19 mm	 RMI 216.12.1819/JV	 RMI 216.12.1000	 RMI 16.2819/JV



RMI 216.12 - 12 plug plates - Mould equipment

RMI 216.12

Description	End connection	Equipped plate part-numbers								
<p>Female thread</p> <div style="text-align: center;">  <p>With full flow plugs</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>G 3/4</td> <td>RMI 216.12.6104</td> </tr> <tr> <td>NPT 3/4</td> <td>RMI 216.12.6204</td> </tr> </table> <p>With auto shut-off plugs</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>G 3/4</td> <td>RMI 216.12.7104/JV</td> </tr> <tr> <td>NPT 3/4</td> <td>RMI 216.12.7204/JV</td> </tr> </table> </div>			G 3/4	RMI 216.12.6104	NPT 3/4	RMI 216.12.6204	G 3/4	RMI 216.12.7104/JV	NPT 3/4	RMI 216.12.7204/JV
G 3/4	RMI 216.12.6104									
NPT 3/4	RMI 216.12.6204									
G 3/4	RMI 216.12.7104/JV									
NPT 3/4	RMI 216.12.7204/JV									
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>150</p> <p>250</p> </div> <div style="text-align: center;">  <p>153</p> <p>92</p> <p>10 x G 3/4 or NPT 3/4</p> <p>2 x G 3/4 or NPT 3/4</p> </div> </div>										

Options

Add the corresponding option codes to the **RMI 216.12.1xxx/JV** part-numbers page 26:

- Safety locking **code VS**
- Reversed control lever **code LH**
- VS and LH option combination **code VS/LH**

Identification of the associated plates with colour code

Add the corresponding colour code to the part-numbers pages 26-27:

- blue **code KB**
- red **code KR**

Additional equipment

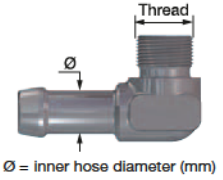
- Parking plate and quick resting plate: see part-numbers pages 28-29.

Options and additional equipment shown on pages 6 and 7.


Additional equipment part-numbers

To be separately ordered.

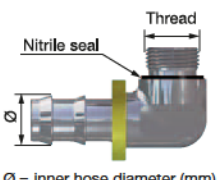
90° elbow for flexible hoses

	Fittings	Part-numbers
	Ø 8 mm G 1/4 male	AF 151.08/RE
	Ø 10 mm G 3/8 male	AF 152.10/RE
	Ø 12 mm G 3/8 male	AF 152.12/RE
	Ø 16 mm G 1/2 male	AF 153.16/RE

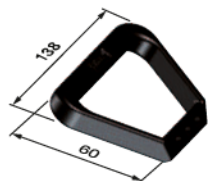
Extender

	Fittings	Part-numbers
	G 1/4 male G 1/4 female	RMF 151.101
	G 3/8 male G 3/8 female	RMF 152.102
	G 3/8 male NPT 3/8 female	RMF 152.202
	G 1/2 male G 1/2 female	RMF 153.103

90° elbow for self-clamping hose

	Fittings	Part-numbers
	3/8" G 3/8 male	AF 152.10/CN/RE
	1/2" G 3/8 male	AF 152.13/CN/RE
5/8" G 1/2 male	AF 153.16/CN/RE livré sans joint	

Carrying handle

Delivered with washer and fixing screws For RMI 212.10 and RMI 212.12 models	Part-number
	RMP 111.61

Foolproof keying kits

To perform the coding of plates, it is necessary to use 2 keying kits : 1 kit on press side + one kit on mould side.

Plate designation	Equipment	Plate part-numbers	Kit part-numbers
RMI 209.06	Press equipment	All models	KCP 01.9006
	Mould equipment	All models	KCP 01.9006
RMI 209.12 and RMI 209.20	Press equipment	RMI 209.12.1105/JV and RMI 209.20.1106/JV	KCP 01.9002
		Other plates	KCP 01.9001
	Mould equipment	All models	KCP 01.9006/Q3
RMI 212.12	Press equipment	All models	KCP 01.9003
	Mould equipment	All models	KCP 01.9003/Q3

Parking plate

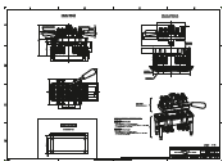
	Plate models	Part-numbers
	RMI 206	RMI 206.8900
	RMI 209	RMI 209.8900
	RMI 212 and RMI 216	MPP 01.9003

Proximity sensor option: add code /DP to the part-number.

Quick resting plates

Model	Plate models	Part-number
	RMI 212 and RMI 216	RMP 40.8900



For optimal use of your multi-connection plates



Stäubli offers, on simple request, drawings containing detailed information about plate assembly, circuit wiring, keying kit and sensors assembly as well as all the other options and additional equipments.

Plate models	Plate part-numbers	Drawing part-numbers
RMI 206	RMI 206.06.1808/JV + RMI 206.06.6xxx	R 358 065 00
	RMI 209.06.1812/JV + RMI 209.06.6xxx	R 358 066 00
RMI 209	RMI 209.10.1812/JV + RMI 209.10.7102	R 358 066 01
	RMI 209.12.1812/JV + RMI 209.12.6xxx	R 358 066 02
	RMI 209.12.1812/JV + RMI 209.12.6xxx/L	R 358 066 03
	RMI 209.12.1105/JV + RMI 209.12.6xxx/L	R 358 066 04
	RMI 209.20.1812/JV + RMI 209.20.6xxx	R 358 066 06
	RMI 209.20.1106/JV + RMI 209.20.6xxx	R 358 066 07
	RMI 212	RMI 212.10.1816/JV + RMI 212.10.7103
RMI 212	RMI 212.12.1816/JV + RMI 212.12.6xxx	R 358 067 00
	RMI 212.20.1816/JV + RMI 212.20.6xxx	R 358 067 01
RMI 216	RMI 216.12.1819/JV + RMI 216.12.7104/JV	R 358 068 00

Technical characteristics

		RMI 206	RMI 209	RMI 212	RMI 216
Nominal diameter DN (mm)		6	9	12	16
Shut-off	simple				
	double *				

* Recommended for use with hot oil circuits

Tightness

Fluorocarbon (FPM) seals as standard.

Options:

- Nitrile seal (NBR): uppress code **/JV** in the part-numbers pages 8 to 23.
- Ethylene-Propylene (EPDM): replace code **/JV** with **/JE** code in the part-numbers pages 8 to 23.

Important ! The use and any contact of the EPDM (JE) seal with fluids of mineral origin (oil, fat... etc.) are not advised.

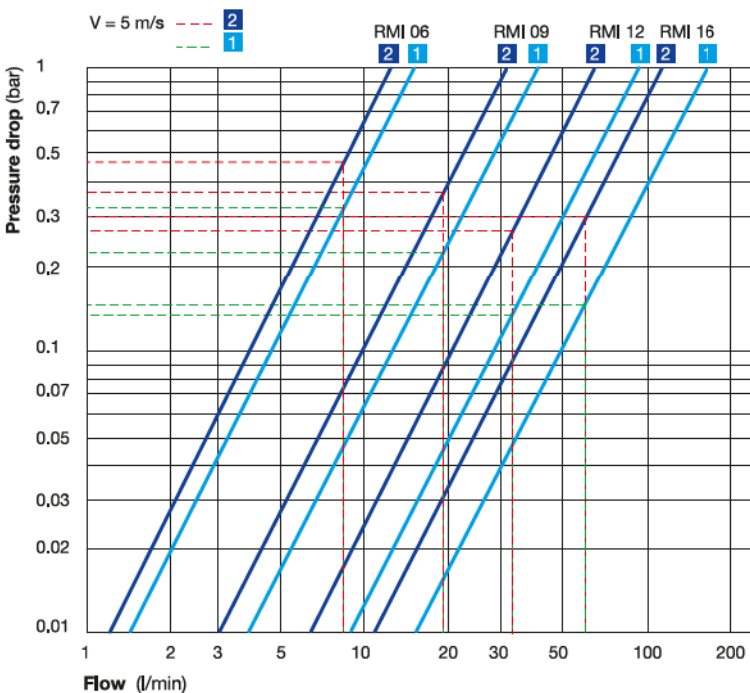
Conditions of use of the RMI plates ⁽¹⁾ (except for connection hoses)

Types of seal	Maximum allowable pressure PS (bar) ⁽²⁾	Minimum and maximum allowable temperatures TS (°C)
Fluorocarbon (FPM)	RMI 206 RMI 212 RMI 216	+ 15 and + 150
		+ 15 and + 200
	RMI 209	+ 15 and + 150
Ethylene-Propylene (EPDM)	16	- 20 and + 150
Nitrile (NBR)	16	- 15 and + 100

⁽¹⁾ Check that max. pressure and min./max. working temperatures of hoses (rubber hose, plastic or polyurethane tube) and of the connection are not exceeded.
Other conditions of use: consult us.

⁽²⁾ Make sure to distribute the inlet/outlet circuits so as to balance the pressures on either side of the locking system.
For more information, consult us.

Hydraulic flow rate/pressure drop chart for a circuit



Test conditions:

- Fluid: water
- Direction of flow: socket → plug

- 1 Single shut-off circuit
- 2 Double shut-off circuit

RMI 06	RMI 09	RMI 12	RMI 16
1 Cv = 1,05	1 Cv = 2,8	1 Cv = 6,35	1 Cv = 11,2
2 Cv = 0,85	2 Cv = 2,2	2 Cv = 4,5	2 Cv = 7,7

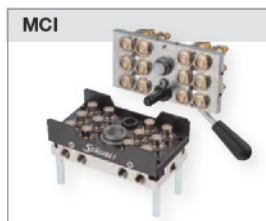
The complete Stäubli offer for the centralized connection of energies...

Temperature control circuits



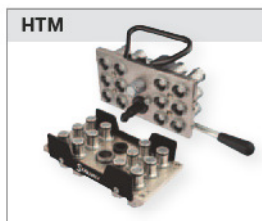
RMI multi

4 passage diameters.
Completely modular range.



MCI

Antipollution flat faces.



HTM

High temperature circuits.

High pressure hydraulic circuits



RMP 49

For high flow volume and
speed (up to 30 m/s).
Antipollution flat faces.



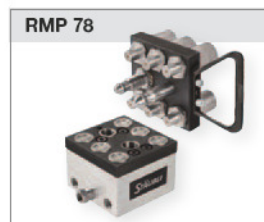
RMP 79

For high flow volume and
speed (up to 30 m/s).
Screw locking system.
Antipollution flat faces.



RMP 48

Antipollution flat faces



RMP 78

Antipollution flat faces.
Screw locking system.



SPC multi

For sequential injection.

Electrical circuits



REP

For power and signal
electrical circuits, optical
fiber, data transfer...

For contact details: www.staubli.com/connectors/contacts



Global presence of the Stäubli Group

- Stäubli units
- Agents

International sales coordination

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www.staubli.com

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