

LUDECKE

Since 1930. The perfect connection.



Edition 2.0

MULTI-COUPLING SYSTEM

Multi-Coupling System



The **LÜDECKE** multi-coupling system allows you to connect several temperature regulation circuits in one step.

Especially when equipping machines, this provides huge advantages: Now, these tasks can be carried out quickly, easily and accurately. There are no more risks of mixing up important lines.

Thanks to its modular design, every multi-coupling can be put together and configured individually and thus is perfectly tailored to any requirement and application.

Advantages:

- Quick & simultaneous connection of several temperature regulation lines
- Increased safety and efficiency: no risk of mixing up connections/ hoses
- Reduced equipping time
- Easy operation
- Robust, high-quality, leakage-proof and durable
- Huge flexibility due to modular design
- Different plug profiles, materials and connection types



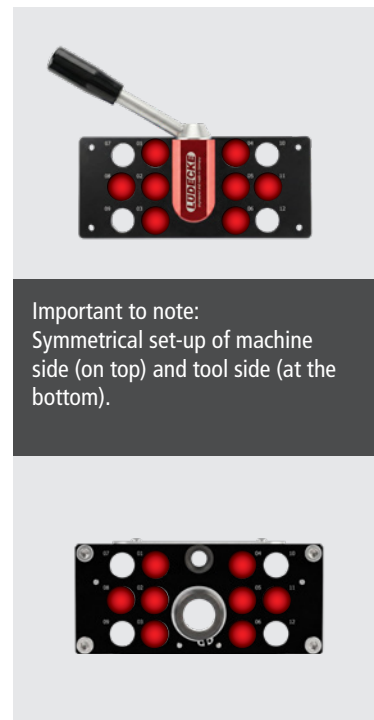
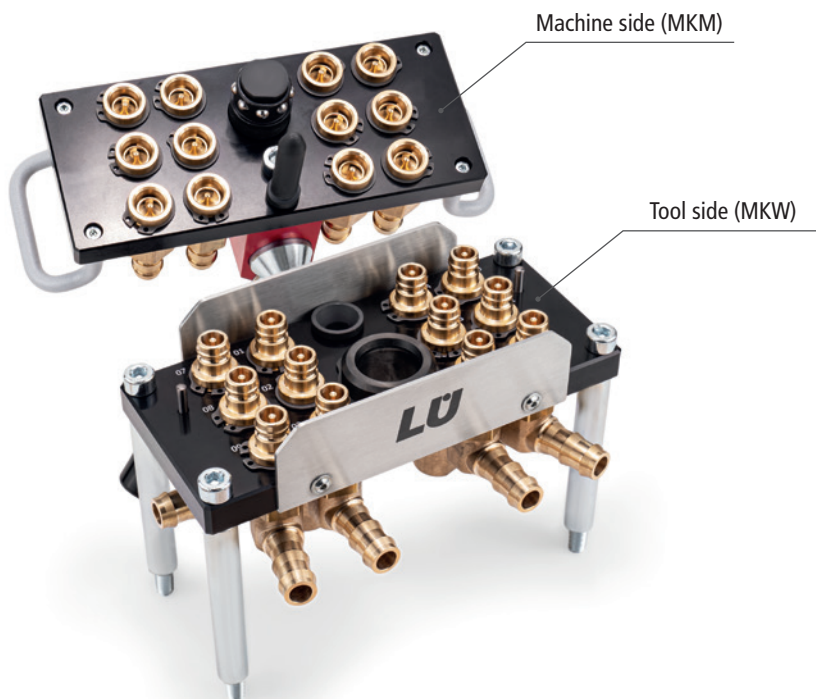
Broad Range

To match the most common plug systems and to guarantee the best compatibility possible, the **LÜDECKE** multi-coupling is available for all standard plug profiles. Moreover, you can choose between a version with 6, 12 or 20 connections.



Construction & Assembly

The multi-coupling system is made up of two parts: the machine side (MKM) with a pre-installed lever system as well as the tool side (MKW). The holes on both plates are clearly numbered and help to quickly identify the circuits.



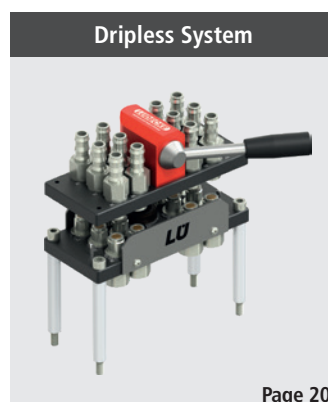
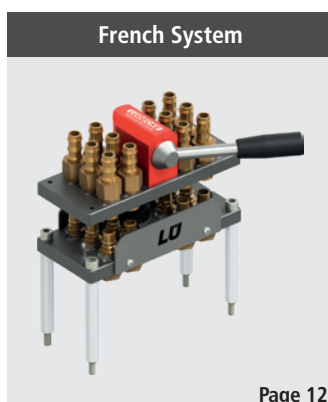
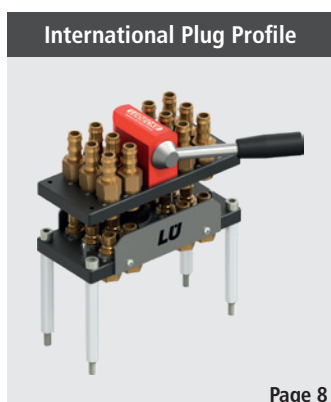
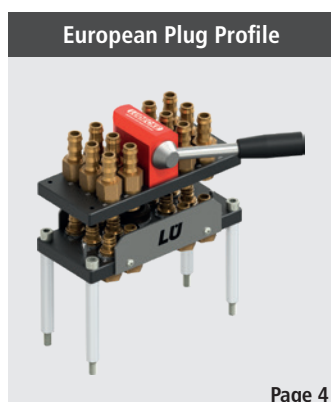
You mount the couplings on the machine side and the plugs on the tool side. Both sides can be equipped individually – however, you should pay attention that they are arranged symmetrically.



The **LÜDECKE** parking plate is used to set down the machine side of the multi-coupling when disconnected as well as for its temporary storage during tool change. The multi-coupling can be locked on the parking plate to avoid unintended dropping. Lockings prevent a twisting of the coupling and a drilling for the PIN ensures a proper fit. The parking plate is also available without locking mechanism.

Overview

LÜDECKE offers the multi-couplings with European, international and French plug profile as well as dripless system. The design of the versions always remains identical.



Multi-Coupling System - European Plug Profile

Series MKH Machine Side

DN 9

- Machine side of the two-part multi-coupling system
- Using the lever easily and quickly connects & disconnects the systems
- Can be equipped individually
- For safe and fast production processes
- Also available as high-temperature version on demand
- For temperature regulation applications with hot or cold water as well as tempered oil

Materials

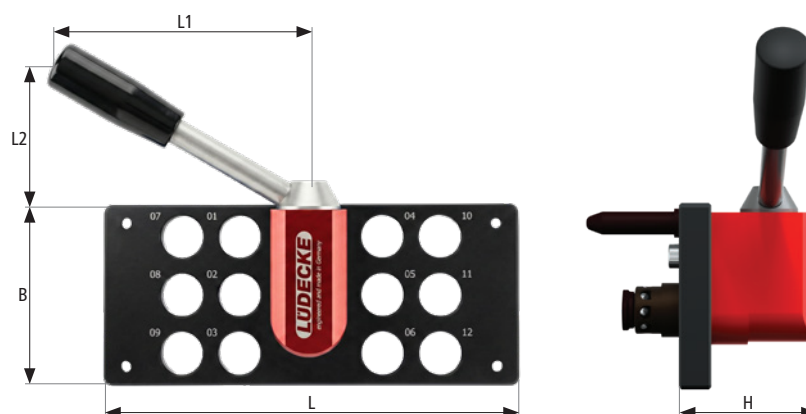
- Body, valve body, valve: Brass MS 58 plain
- Springs: Stainless Steel 1.4310
- Safety ring: Steel phosphated
- Balls: Stainless steel 1.4034
- Seals: FKM
- Plates, lever case: Aluminium anodized
- Lever including mounting
 - Shaft: Steel zinc-plated
 - Head: Thermoset (PF)
- Handle: Aluminium coated



Max. Working Pressure	Temperature	DN	Thread	Type of valve	Media
PN 15 bar	+5°C – +200°C*	9	ISO 228	Single Shut-off/ Double Shut-off/ Straight-Through	Air/ Water/ Oil/ Vacuum

*Subject to media (oil: 200°C, water: 150°C, air: 200°C)

Plates



Plates without products (including handle)

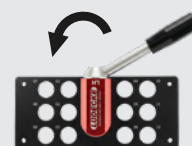
Connection	L	B	L1	L2	H		Weight	Type No.
6	140	81	118	67	68	1	1100	MKMH06
12	190	81	118	67	68	1	1200	MKMH12
20	206	103	118	67	68	1	1275	MKMH20



Colour range of plate:

The plates can also be ordered in red or blue colour. To do so, simply add the colour code to the item number.

→ Red = RO, blue = BL (i.e. MKMH12-RO or MKMH12-BL)



Lever closing to the left:

The lever closes to the right. However, on request the lever is also available as left-hand version. In this case, please add this abbreviation to the item number:

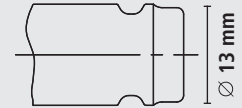
→ LH (i.e. MKMH12-LH)

Multi-Coupling System - European Plug Profile

Machine Side **Series MKH**

DN 9

Plug Profile (original size)



Couplings

Couplings with male thread (including safety ring)

Thread connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	45.5	22	19	11	10	66	MKMH 38 A	MKMH 38 AAB

Couplings with female thread (including safety ring)

Thread connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
G 3/8 f	45	22	19	10	10	67	MKMH 38 I	MKMH 38 IAB

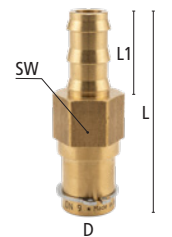
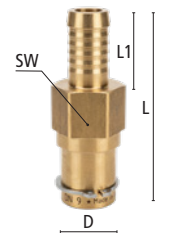
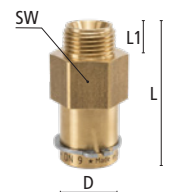
Couplings with hose stem (including safety ring)

Hose connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	58.5	22	19	22.5	10	64	MKMH 9 TL	MKMH 9 TLAB
Hose i.D. 13	61	22	19	25	10	75	MKMH 13 TL	MKMH 13 TLAB

Couplings with quick-fit hose stem (including safety ring)

Hose connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 10	64.5	22	19	28	10	73	MKMH 10 T	MKMH 10 TAB
Hose i.D. 13	64.5	22	19	28	10	80	MKMH 13 T	MKMH 13 TAB

Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses (up to max. 100°C)!



Accessories

Handle

Version	L	B	H		Weight	Type No.
06/ 12	76	36	40	1	23	MKM-B64
20	100	36	40	1	25	MKM-B88



Multi-Coupling System - European Plug Profile

Series MKH Tool Side

DN 9



- Tool side of the two-part multi-coupling system
- Using the lever on the machine side easily and quickly connects and disconnects the systems
- Can be equipped individually
- For safe and fast production processes
- Also available as high-temperature version on demand
- For temperature regulation applications with hot or cold water as well as tempered oil

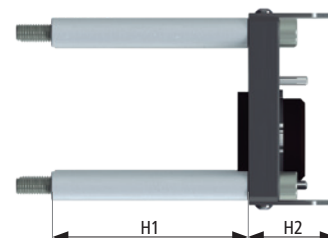
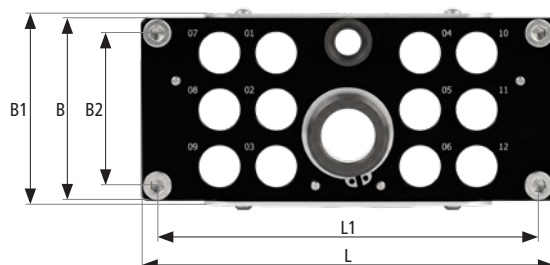
Materials

- Body, valve body, valve, plug: Brass MS 58 plain
- Safety ring: Steel phosphated
- Seals: FKM
- Plates: Aluminium anodized
- Feet: Steel zinc-plated

Max. Working Pressure	Temperature	DN	Thread	Type of valve	Media
PN 15 bar	+5°C – +200°C*	9	ISO 228	Single Shut-off/ Double Shut-off/ Straight-Through	Air/ Water/ Oil/ Vacuum

*Subject to media (oil: 200°C, water: 150°C, air: 200°C)

Plates



Plates without products										
Connection	L	B	L1	B1	B2	H1	H2		Weight	Type No.
6	140	84	120	88	70	90	40	1	1100	MKWH06
12	190	84	175	88	70	90	40	1	1200	MKWH12
20	206	104	186	108	84	90	40	1	1350	MKWH20



Colour range of plate:

The plates can also be ordered in red or blue colour. To do so, simply add the colour code to the item number.

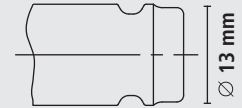
→ Red = RO, blue = BL (i.e. MKWH12-RO or MKWH12-BL)

Multi-Coupling System - European Plug Profile

Tool Side **Series MKH**

DN 9

Plug Profile (original size)



Plugs

Plugs with female thread (including safety ring)

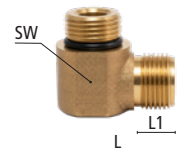
Thread connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
G 3/8 f	45	22	19	10	10	60	MKWH 38 NI	MKWH 38 NIAB



Elbow Connectors

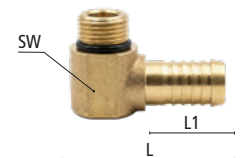
Elbow Connector with male thread (in combination with MKWH 38 NI/AB)

Thread connection	L	SW	L1		Weight	Type No.
G 3/8 m	35	20	12	10	77	MKW 38 A90



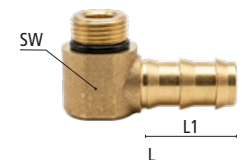
Elbow Connectors with hose stem (in combination with MKWH 38 NI/AB)

Hose connection	L	SW	L1		Weight	Type No.
Hose i.D. 9	46.5	20	22.5	10	77	MKW 9 TL90
Hose i.D. 13	49	20	25	10	80	MKW 13 TL90



Elbow Connectors with quick-fit hose stem (in combination with MKWH 38 NI/AB)

Hose connection	L	SW	L1		Weight	Type No.
Hose i.D. 10	51	20	28	10	79	MKW 10 T90
Hose i.D. 13	51	20	28	10	84	MKW 13 T90



Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses (up to max. 100°C)!

Adapter

Adapter with female thread

Thread connection	L	SW	L1		Weight	Type No.
G 3/8 f	33	22	10	10	55	MKW-V



Multi-Coupling System - International Plug Profile

Series MKD Machine Side

DN 9

- Machine side of the two-part multi-coupling system
- Using the lever easily and quickly connects & disconnects the systems
- Can be equipped individually
- For safe and fast production processes
- Also available as high-temperature version on demand
- For temperature regulation applications with hot or cold water as well as tempered oil

Materials

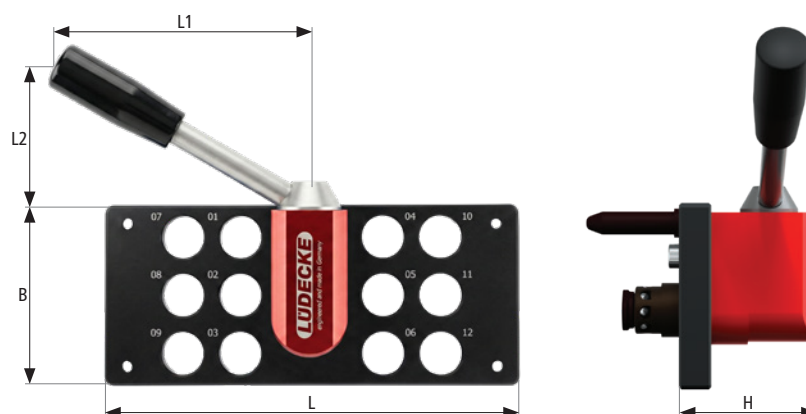
- Body, valve body, valve: Brass MS 58 plain
- Springs: Stainless Steel 1.4310
- Safety ring: Steel phosphated
- Balls: Stainless steel 1.4034
- Seals: FKM
- Plates, lever case: Aluminium anodized
- Lever including mounting
 - Shaft: Steel zinc-plated
 - Head: Thermoset (PF)
- Handle: Aluminium coated



Max. Working Pressure	Temperature	DN	Thread	Type of valve	Media
PN 15 bar	+5°C – +200°C*	9	ISO 228	Single Shut-off/ Double Shut-off/ Straight-Through	Air/ Water/ Oil/ Vacuum

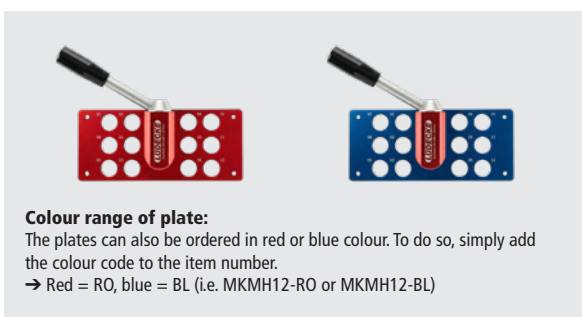
*Subject to media (oil: 200°C, water: 150°C, air: 200°C)

Plates



Plates without products (including handle)

Connection	L	B	L1	L2	H		Weight	Type No.
6	140	81	118	67	68	1	1100	MKMH06
12	190	81	118	67	68	1	1200	MKMH12
20	206	103	118	67	68	1	1275	MKMH20

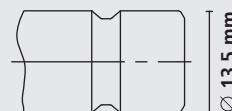


Multi-Coupling System - International Plug Profile

Machine Side **Series MKD**

DN 9

Plug Profile (original size)



Couplings

Couplings with male thread (including safety ring)

Thread connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	48.5	22	19	11	10	75	MKMD 38 A	MKMD 38 AAB

Couplings with female thread (including safety ring)

Thread connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
G 3/8 f	48	22	19	10	10	75	MKMD 38 I	MKMD 38 IAB

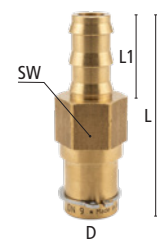
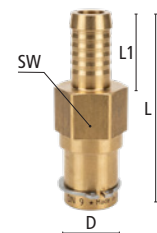
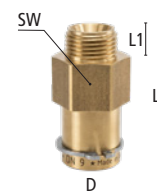
Couplings with hose stem (including safety ring)

Hose connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	61.5	22	19	22.5	10	71	MKMD 9 TL	MKMD 9 TLAB
Hose i.D. 13	64	22	19	25	10	81	MKMD 13 TL	MKMD 13 TLAB

Couplings with quick-fit hose stem (including safety ring)

Hose connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 10	67.5	22	19	28	10	80	MKMD 10 T	MKMD 10 TAB
Hose i.D. 13	67.5	22	19	28	10	87	MKMD 13 T	MKMD 13 TAB

Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses (up to max. 100°C)!



Accessories

Handle

Version	L	B	H		Weight	Type No.
06/ 12	76	36	40	1	23	MKM-B64
20	100	36	40	1	25	MKM-B88



Multi-Coupling System - International Plug Profile

Series MKD Tool Side

DN 9



- Tool side of the two-part multi-coupling system
- Using the lever on the machine side easily and quickly connects and disconnects the systems
- Can be equipped individually
- For safe and fast production processes
- Also available as high-temperature version on demand
- For temperature regulation applications with hot or cold water as well as tempered oil

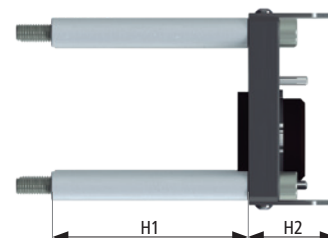
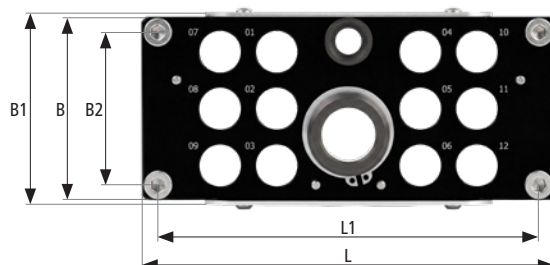
Materials

- Body, valve body, valve, plug: Brass MS 58 plain
- Safety ring: Steel phosphated
- Seals: FKM
- Plates: Aluminium anodized
- Feet: Steel zinc-plated

Max. Working Pressure	Temperature	DN	Thread	Type of valve	Media
PN 15 bar	+5°C – +200°C*	9	ISO 228	Single Shut-off/ Double Shut-off/ Straight-Through	Air/ Water/ Oil/ Vacuum

*Subject to media (oil: 200°C, water: 150°C, air: 200°C)

Plates



Plates without products

Connection	L	B	L1	B1	B2	H1	H2		Weight	Type No.
6	140	84	120	88	70	90	40	1	1100	MKWH06
12	190	84	175	88	70	90	40	1	1200	MKWH12
20	206	104	186	108	84	90	40	1	1350	MKWH20



Colour range of plate:

The plates can also be ordered in red or blue colour. To do so, simply add the colour code to the item number.

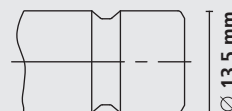
→ Red = RO, blue = BL (i.e. MKWH12-RO or MKWH12-BL)

Multi-Coupling System - International Plug Profile

Tool Side **Series MKD**

DN 9

Plug Profile (original size)



Plugs

Plugs with female thread (including safety ring)

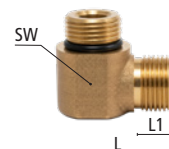
Thread connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
G 3/8 f	46.5	22	19	10	10	60	MKWD 38 NI	MKWD 38 NIAB



Elbow Connectors

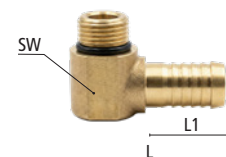
Elbow Connector with male thread (in combination with MKWD 38 NI/AB)

Thread connection	L	SW	L1		Weight	Type No.
G 3/8 m	35	20	12	10	77	MKW 38 A90



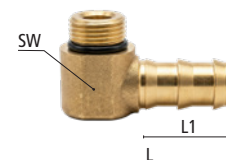
Elbow Connectors with hose stem (in combination with MKWD 38 NI/AB)

Hose connection	L	SW	L1		Weight	Type No.
Hose i.D. 9	46.5	20	22.5	10	77	MKW 9 TL90
Hose i.D. 13	49	20	25	10	80	MKW 13 TL90



Elbow Connectors with quick-fit hose stem (in combination with MKWD 38 NI/AB)

Hose connection	L	SW	L1		Weight	Type No.
Hose i.D. 10	51	20	28	10	79	MKW 10 T90
Hose i.D. 13	51	20	28	10	84	MKW 13 T90



Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses (up to max. 100°C)!

Adapter

Adapter with female thread

Thread connection	L	SW	L1		Weight	Type No.
G 3/8 f	33	22	10	10	55	MKW-V



Multi-Coupling System - French Plug Profile

Series MKF Machine Side

DN 9

- Machine side of the two-part multi-coupling system
- Using the lever easily and quickly connects & disconnects the systems
- Can be equipped individually
- For safe and fast production processes
- Also available as high-temperature version on demand
- For temperature regulation applications with hot or cold water as well as tempered oil

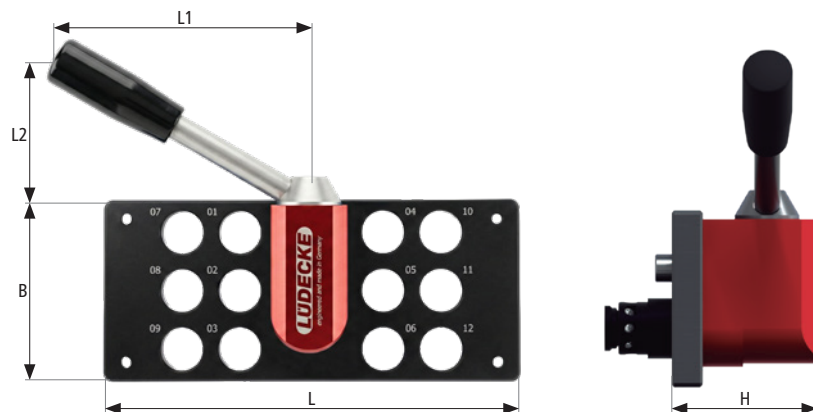
Materials

- Body, valve body, valve: Brass MS 58 plain
- Springs: Stainless Steel 1.4310
- Safety ring: Steel phosphated
- Balls: Stainless steel 1.4034
- Seals: FKM
- Plates, lever case: Aluminium anodized
- Lever including mounting
 - Shaft: Steel zinc-plated
 - Head: Thermoset (PF)
- Handle: Aluminium coated

Max. Working Pressure	Temperature	DN	Thread	Type of valve	Media
PN 15 bar	+5°C – +200°C*	9	ISO 228	Single Shut-off/ Double Shut-off/ Straight-Through	Air/ Water/ Oil/ Vacuum

*Subject to media (oil: 200°C, water: 150°C, air: 200°C)

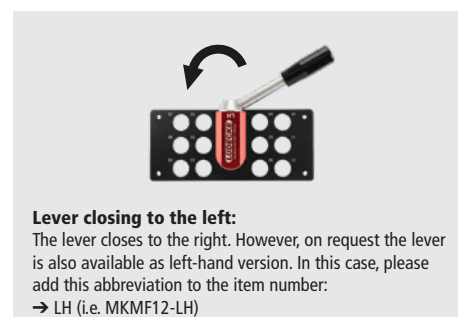
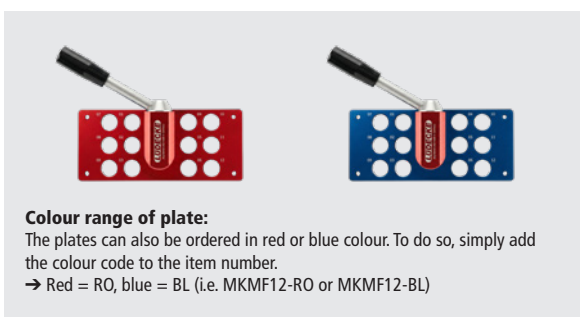
Plates



Plates without products (including handle)

Connection	L	B	L1	L2	H		Weight	Type No.
6	140	81	118	67	68	1	1050	MKMF06
12	190	81	118	67	68	1	1150	MKMF12
12	154	81	118	67	68	1	1043	MKMF12W*
20	206	103	118	67	68	1	1275	MKMF20

*Tub-compatible version

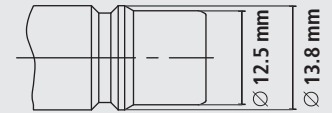


Multi-Coupling System - French Plug Profile

Machine Side **Series MKF**

DN 9

Plug Profile (original size)



Couplings

Couplings with male thread (including safety ring)

Thread connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
G 3/8 m	49	22	19	11	10	73	MKMF 38 A	MKMF 38 AAB

Couplings with female thread (including safety ring)

Thread connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
G 3/8 f	50.5	22	19	10	10	80	MKMF 38 I	MKMF 38 IAB

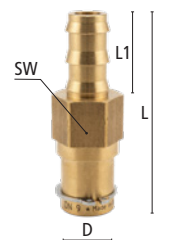
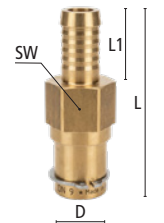
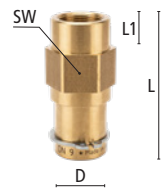
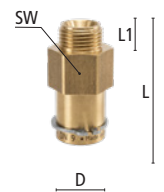
Couplings with hose stem (including safety ring)

Hose connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 9	64	22	19	22.5	10	77	MKMF 9 TL	MKMF 9 TLAB
Hose i.D. 13	66.5	22	19	25	10	87	MKMF 13 TL	MKMF 13 TLAB

Couplings with quick-fit hose stem (including safety ring)

Hose connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 10	70	22	19	28	10	84	MKMF 10 T	MKMF 10 TAB
Hose i.D. 13	70	22	19	28	10	93	MKMF 13 T	MKMF 13 TAB

Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses (up to max. 100°C)!



Accessories

Handle

Version	L	B	H		Weight	Type No.
06/ 12	76	36	40	1	23	MKM-B64
20	100	36	40	1	25	MKM-B88



Multi-Coupling System - French Plug Profile

Series MKF Tool Side

DN 9



- Tool side of the two-part multi-coupling system
- Using the lever on the machine side easily and quickly connects and disconnects the systems
- Can be equipped individually
- For safe and fast production processes
- Also available as high-temperature version on demand
- For temperature regulation applications with hot or cold water as well as tempered oil

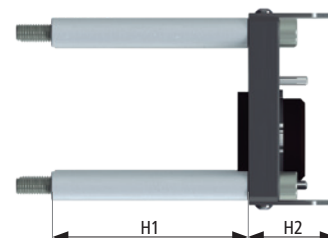
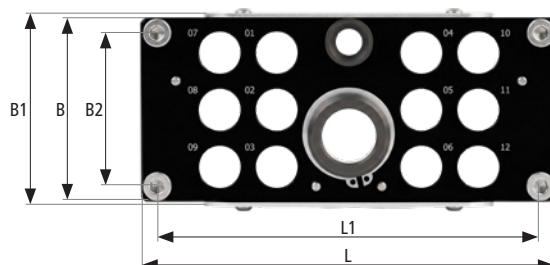
Materials

- Body, valve body, valve, plug: Brass MS 58 plain
- Safety ring: Steel phosphated
- Seals: FKM
- Plates: Aluminium anodized
- Feet: Steel zinc-plated

Max. Working Pressure	Temperature	DN	Thread	Type of valve	Media
PN 15 bar	+5°C – +200°C*	9	ISO 228	Single Shut-off/ Double Shut-off/ Straight-Through	Air/ Water/ Oil/ Vacuum

*Subject to media (oil: 200°C, water: 150°C, air: 200°C)

Plates



Plates without products										
Connection	L	B	L1	B1	B2	H1	H2		Weight	Type No.
6	140	84	120	88	70	90	40	1	1075	MKWF06
12	190	84	175	88	70	90	40	1	1175	MKWF12
20	206	104	186	108	84	90	40	1	1350	MKWF20



Colour range of plate:

The plates can also be ordered in red or blue colour. To do so, simply add the colour code to the item number.

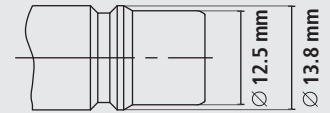
→ Red = RO, blue = BL (i.e. MKWF12-RO or MKWF12-BL)

Multi-Coupling System - French Plug Profile

Tool Side **Series MKF**

DN 9

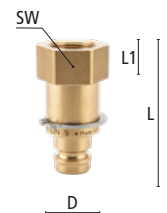
Plug Profile (original size)



Plugs

Plugs with female thread (including safety ring)

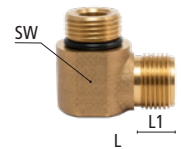
Thread connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
G 3/8 f	49	22	19	13	10	51	MKWF 38 NI	MKWF 38 NIAB



Elbow Connectors

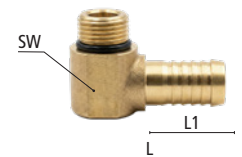
Elbow Connector with male thread (in combination with MKWF 38 NI/AB)

Thread connection	L	SW	L1		Weight	Type No.
G 3/8 m	35	20	12	10	77	MKW 38 A90



Elbow Connectors with hose stem (in combination with MKWF 38 NI/AB)

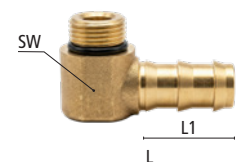
Hose connection	L	SW	L1		Weight	Type No.
Hose i.D. 9	46.5	20	22.5	10	77	MKW 9 TL90
Hose i.D. 13	49	20	25	10	80	MKW 13 TL90



Elbow Connectors with quick-fit hose stem (in combination with MKWF 38 NI/AB)

Hose connection	L	SW	L1		Weight	Type No.
Hose i.D. 10	51	20	28	10	79	MKW 10 T90
Hose i.D. 13	51	20	28	10	84	MKW 13 T90

Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses (up to max. 100°C)!



Adapter

Adapter with female thread

Thread connection	L	SW	L1		Weight	Type No.
G 3/8 f	33	22	10	10	55	MKW-V



Multi-Coupling System - French Plug Profile

Series MKFG Machine Side

DN 12

- Machine side of the two-part multi-coupling system including handles
- Using the lever easily and quickly connects & disconnects the systems
- Can be equipped individually
- For safe and fast production processes
- Also available as high-temperature version on demand
- For temperature regulation applications with hot or cold water as well as tempered oil



Materials

- Body, valve body, valve: Brass MS 58 plain
- Springs: Stainless steel 1.4310
- Safety ring: Steel phosphated
- Balls: Stainless Steel 1.4034
- Seals: FKM
- Plates, lever case: Aluminium anodized
- Lever including mounting
 - Shaft: Stainless Steel 1.4305
 - Head: Thermoset (PF)
- Handle: Steel galvanized

Max. Working Pressure	Temperature	DN	Thread	Type of valve	Media
PN 15 bar	+5°C – +200°C*	12	ISO 228/ NPT	Single Shut-off/ Double Shut-off/ Straight-Through	Air/ Water/ Oil/ Vacuum

*Subject to media (oil: 200°C, water: 150°C, air: 200°C)

Plates



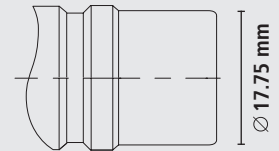
Plates without products (including handle)								
Connection	L	B	L1	L2	H		Weight	Type No.
12	206	110	213	78	103	1	4100	MKMFG12
20	250	130	213	78	103	1	4350	MKMFG20

Multi-Coupling System - French Plug Profile

Machine Side **Series MKFG**

DN 12

Plug Profile (original size)



Couplings

Couplings with male thread (including safety ring)

Thread connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
G 1/2 m	74	27	24	16	5	165	MKMFG 12 A	MKMFG 12 AAB
NPT 1/2 m	78	27	24	20	5	172	MKMFG 12 A-NPT	MKMFG12 AAB-NPT



Couplings with female thread (including safety ring)

Thread connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
G 1/2 f	67	27	24	16	5	161	MKMFG 12 I	MKMFG 12 IAB
NPT 1/2 f	68	27	24	17,5	5	165	MKMFG 12 I-NPT	MKMFG12 IAB-NPT



Couplings with hose stem (including safety ring)

Hose connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 16	77	27	24	25	5	147	MKMFG 16 TL	MKMFG 16 TLAB



Couplings with quick-fit hose stem (including safety ring)

Hose connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
Hose i.D. 16	90	27	24	38	5	161	MKMFG 16 T	MKMFG 16 TAB

Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses (up to max. 100°C)!



Multi-Coupling System - French Plug Profile

Series MKFG Tool Side

DN 12



- Tool side of the two-part multi-coupling system
- Using the lever on the machine side easily and quickly connects and disconnects the systems
- Can be equipped individually
- For safe and fast production processes
- Also available as high-temperature version on demand
- For temperature regulation applications with hot or cold water as well as tempered oil

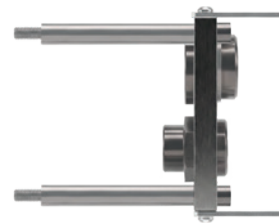
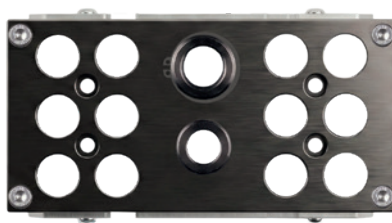
Materials

- Connection fitting, valve body, valve, plug: Brass MS 58 plain
- Safety ring: Steel phosphated
- Seals: FKM
- Plates: Aluminium anodized
- Feet, screws: Steel zinc-plated

Max. Working Pressure	Temperature	DN	Thread	Type of valve	Media
PN 15 bar	+5°C – +200°C*	12	ISO 228/ NPT	Single Shut-off/ Double Shut-off/ Straight-Through	Air/ Water/ Oil/ Vacuum

*Subject to media (oil: 200°C, water: 150°C, air: 200°C)

Plates



Plates without products

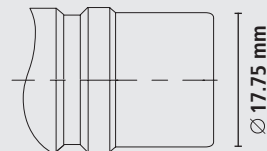
Connection	L	B	L1	B1	B2	H1	H2		Weight	Type No.
12	230	114	215	120	95	90	54	1	1786	MKWFG12
20	250	135	230	141	113	90	54	1	1938	MKWFG20

Multi-Coupling System - French Plug Profile

Tool Side **Series MKFG**

DN 12

Plug Profile (original size)



Plugs

Plugs with female thread (including safety ring)

Thread connection	L	SW	D	L1		Weight	Type No. w/o valve	Type No. w valve
G 1/2 f	63	27	24	15	5	118	MKWFG 12 NI	MKWFG 12 NIAB
NPT 1/2 f	63	27	24	16	5	116	MKWFG 12 NI-NPT	MKWFG12NIAB-NPT



Multi-Coupling System - Dripless System

Series MKL Machine Side

DN 9

- Machine side of the two-part multi-coupling system
- Using the lever easily and quickly connects & disconnects the systems
- Can be equipped individually
- For safe and fast production processes
- Also available as high-temperature version on demand
- For temperature regulation applications with hot or cold water as well as tempered oil

Materials

- Body, valve body: Brass MS 58 nickel-plated
- Valve: Brass MS 58 plain
- Springs: Stainless Steel 1.4310
- Safety ring: Steel phosphated
- Balls: Stainless steel 1.4034
- Seals: FKM
- Plates, lever case: Aluminium anodized
- Lever including mounting
 - Shaft: Steel zinc-plated
 - Head: Thermoset (PF)
- Handle: Aluminium coated

Max. Working Pressure	Temperature	DN	Thread	Type of valve	Media
PN 15 bar	+5°C – +200°C*	9	ISO 228	Dripless	Air/ Water/ Oil/ Vacuum

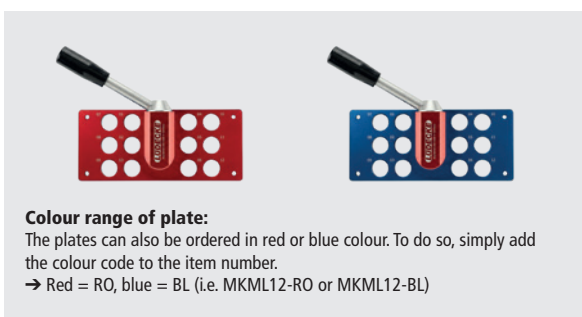
*Subject to media (oil: 200°C, water: 150°C, air: 200°C)

Plates



Plates without products (including handle)

Connection	L	B	L1	L2	H		Weight	Type No.
6	136	95	118	59	68	1	1125	MKML06
12	200	95	118	59	68	1	1225	MKML12
20	240	125	118	59	68	1	1500	MKML20



Colour range of plate:

The plates can also be ordered in red or blue colour. To do so, simply add the colour code to the item number.

→ Red = RO, blue = BL (i.e. MKML12-RO or MKML12-BL)



Lever closing to the left:

The lever closes to the right. However, on request the lever is also available as left-hand version. In this case, please add this abbreviation to the item number:

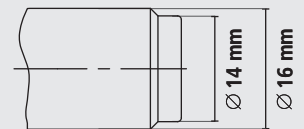
→ LH (i.e. MKML12-LH)

Multi-Coupling System - Dripless System

Machine Side **Series MKL**

DN 9

Plug Profile (original size)



Couplings

Coupling with female thread (including safety ring)

Thread connection	L	SW	D	L1		Weight	Type No. w valve
G 3/8 f	41.3	22	21.5	9	10	78	MKML 38 IAB



Couplings with hose stem (including safety ring)

Hose connection	L	SW	D	L1		Weight	Type No. w valve
Hose i.D. 9	58.3	22	21.5	22.5	10	77	MKML 9 TLAB
Hose i.D. 13	60.8	22	21.5	25	10	82	MKML 13 TLAB



Couplings with quick-fit hose stem (including safety ring)

Hose connection	L	SW	D	L1		Weight	Type No. w valve
Hose i.D. 10	60	22	21.5	24.2	10	80	MKML 10 TAB
Hose i.D. 13	63.7	22	21.5	27.9	10	84	MKML 13 TAB

Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses (up to max. 100°C)!



Accessories

Handle

Version	L	B	H		Weight	Type No.
06/ 12	76	36	40	1	23	MKM-B64
20	100	36	40	1	25	MKM-B88



Multi-Coupling System - Dripless System

Series MKL Tool Side

DN 9



- Tool side of the two-part multi-coupling system
- Using the lever on the machine side easily and quickly connects and disconnects the systems
- Can be equipped individually
- For safe and fast production processes
- Also available as high-temperature version on demand
- For temperature regulation applications with hot or cold water as well as tempered oil

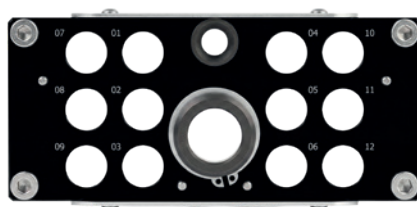
Materials

- Plug (incl. valve body): Brass MS 58 nickel-plated
- Plug valve: Brass MS 58 plain
- Adapter, elbow connector: Brass MS 58 plain
- Safety ring: Steel phosphated
- Seals: FKM
- Plates: Aluminium anodized
- Feet: Steel zinc-plated

Max. Working Pressure	Temperature	DN	Thread	Type of valve	Media
PN 15 bar	+5°C – +200°C*	9	ISO 228	Dripless	Air/ Water/ Oil/ Vacuum

*Subject to media (oil: 200°C, water: 150°C, air: 200°C)

Plates



Plates without products

Connection	L	B	L1	B1	B2	H1	H2		Weight	Type No.
6	136	96	120	100	70	90	40	1	1100	MKWL06
12	200	96	184	100	70	90	40	1	1250	MKWL12
20	240	126	220	130	106	90	40	1	1500	MKWL20



Colour range of plate:

The plates can also be ordered in red or blue colour. To do so, simply add the colour code to the item number.

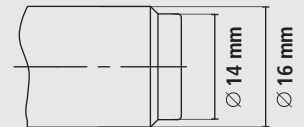
→ Red = RO, blue = BL (i.e. MKWL12-RO or MKWL12-BL)

Multi-Coupling System - Dripless System

Tool Side **Series MKL**

DN 9

Plug Profile (original size)



Plugs

Plug with female thread (including safety ring)

Thread connection	L	SW	D	L1		Weight	Type No. w valve
G 3/8 f	50.4	24	22	10	10	102	MKWL 38 NIAB



Elbow Connectors

Elbow Connector with male thread (in combination with MKWL 38 NIAB)

Thread connection	L	SW	L1		Weight	Type No.
G 3/8 m	35	20	12	10	77	MKW 38 A90



Elbow Connectors with hose stem (in combination with MKWL 38 NIAB)

Hose connection	L	SW	L1		Weight	Type No.
Hose i.D. 9	46.5	20	22.5	10	77	MKW 9 TL90
Hose i.D. 13	49	20	25	10	80	MKW 13 TL90



Elbow Connectors with quick-fit hose stem (in combination with MKWL 38 NIAB)

Hose connection	L	SW	L1		Weight	Type No.
Hose i.D. 10	51	20	28	10	79	MKW 10 T90
Hose i.D. 13	51	20	28	10	84	MKW 13 T90



Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses (up to max. 100°C)!

Adapter

Adapter with female thread

Thread connection	L	SW	L1		Weight	Type No.
G 3/8 f	33	22	10	10	55	MKW-V



Multi-Coupling System - Accessories

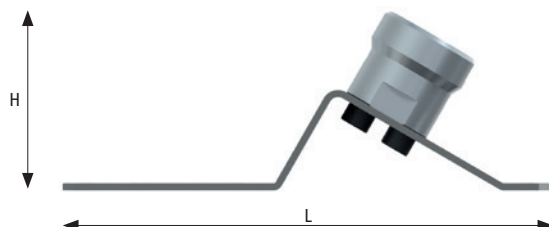
Parking plate



- To set down the machine side of the multi-coupling when disconnected as well as for its temporary storage during tool change
- The multi-coupling can be locked on the parking plate to avoid unintended dropping
- Lockings prevent a twisting of the coupling and a drilling for the PIN ensures a proper fit
- The parking plate is also available without locking mechanism

Materials

- Plate: Stainless steel
- Sleeve, screws: Galvanised steel



Parking plate incl. bracket						
Connection	L	B	H		Weight	Type No.
For all series	210	40	77	1	575	MKP09



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