

LUDECKE

Since 1930. The perfect connection.




Multi-Coupling System



**Temp
Tec**
by **LUDECKE**



LUDECKE MADE IN GERMANY 

Multi-Coupling System



The **LUDECKE** 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



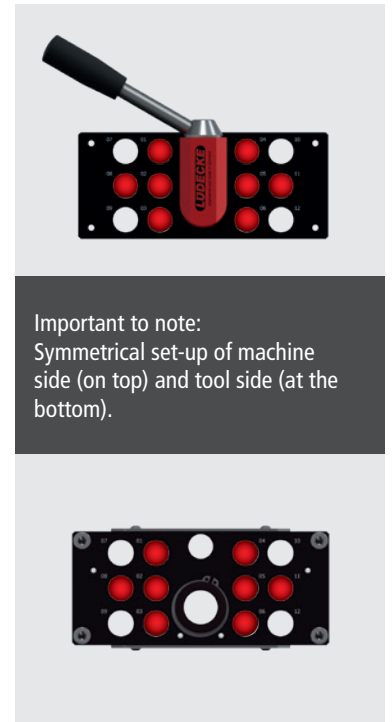
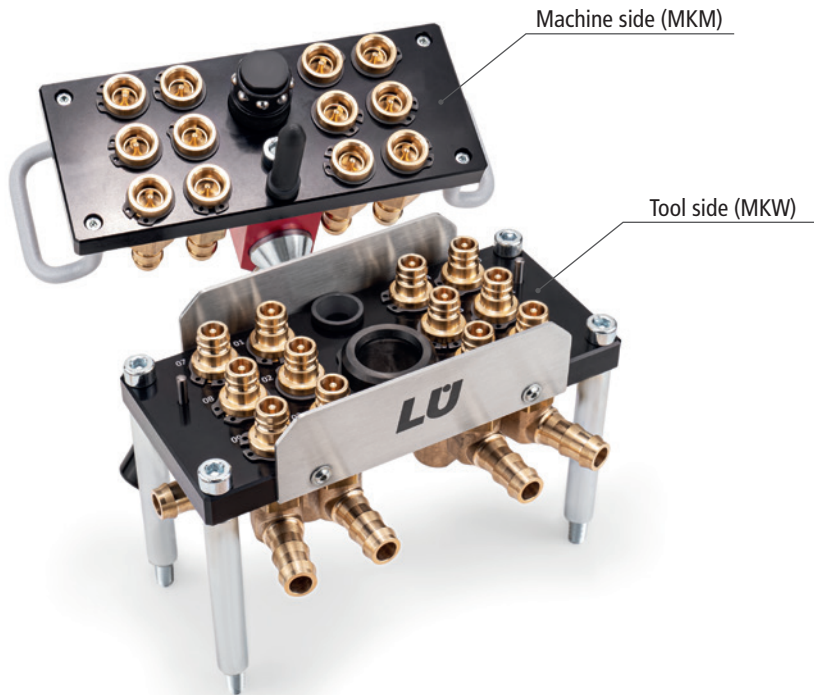
Broad Range

To match the most common plug systems and to guarantee the best compatibility possible, the **LUDECKE** 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.

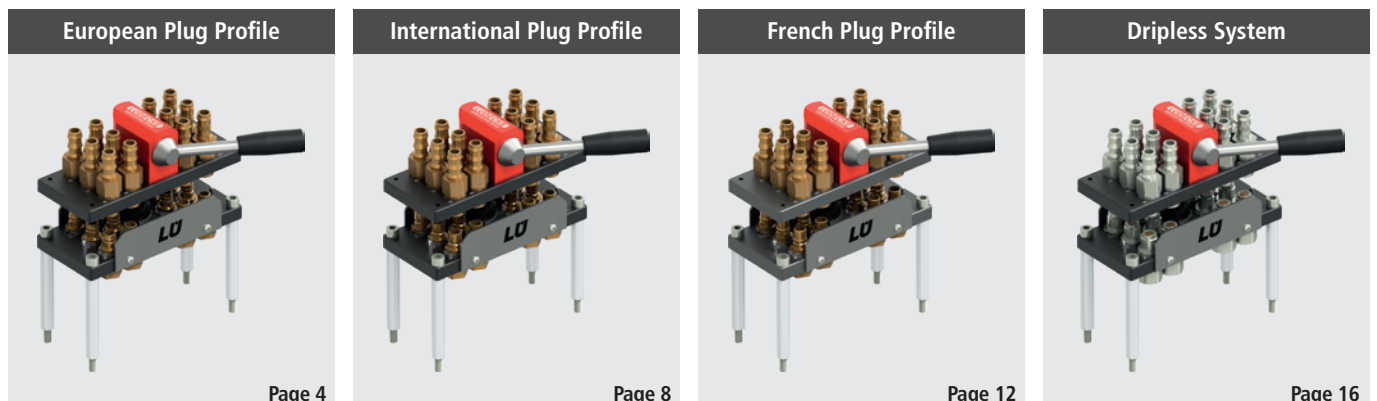


Important to note:
Symmetrical set-up of machine side (on top) and tool side (at the bottom).

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.

Overview

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



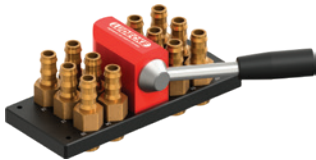
Note: It only takes a few easy steps to put together the systems shown. With every order, you will find a detailed assembly and user manual. Should you have any questions, do not hesitate to contact our qualified sales and technical team.

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



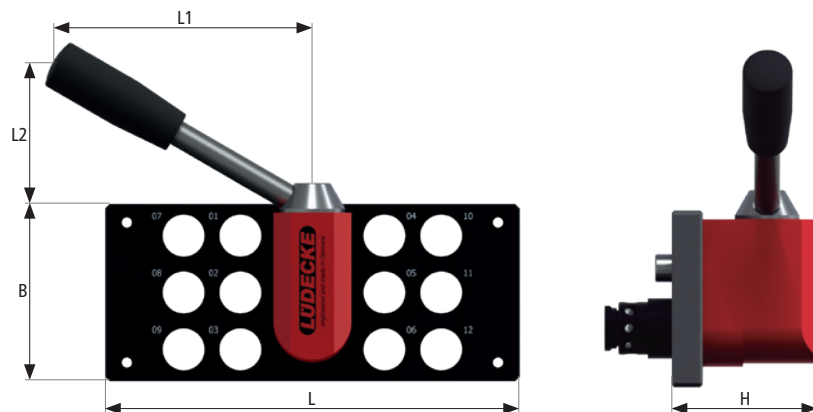
Materials

- 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	-20°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	1100	MKMH06
12	190	81	118	67	68	1200	MKMH12
20	206	103	118	67	68	1275	MKMH20

Accessories



Handle

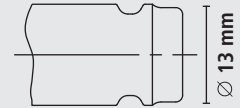
Version	L	B	H	Weight	Type No.
06/ 12	76	36	40	23	MKM-B64
20	100	36	40	25	MKM-B88

Multi-Coupling System - European Plug Profile

Machine Side **Series MKH**

DN 9

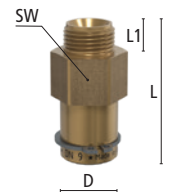
Plug Profile (original size)



Couplings

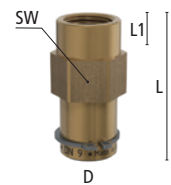
Couplings with male thread (including safety ring)

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	66	MKMH 38 A	MKMH 38 AAB



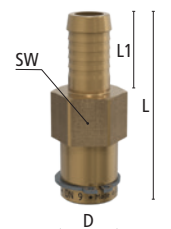
Couplings with female thread (including safety ring)

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



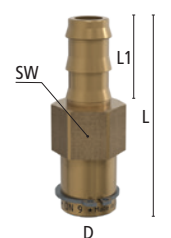
Couplings with hose stem (including safety ring)

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	64	MKMH 9 TL	MKMH 9 TLAB
Hose i.D. 13	61	22	19	25	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	73	MKMH 10 T	MKMH 10 TAB
Hose i.D. 13	64.5	22	19	28	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)!

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



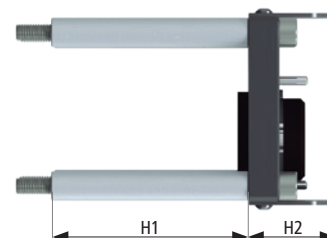
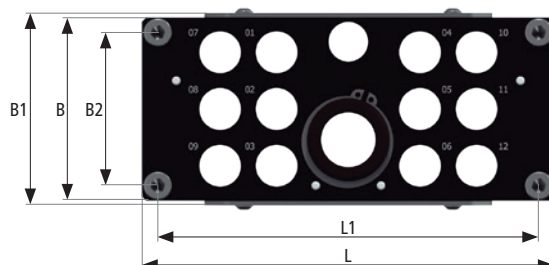
Materials

- 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	-20°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)

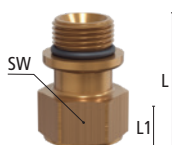
Plates



Plates without products

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

Adapter



Adapter with female thread

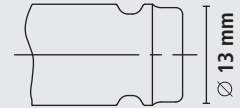
Thread connection	L	SW	L1	Weight	Type No.
G 3/8 f	33	22	10	55	MKW-V

Multi-Coupling System - European Plug Profile

Tool Side **Series MKH**

DN 9

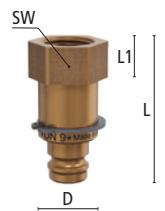
Plug Profile (original size)



Plugs

Plugs with female thread (including safety ring)

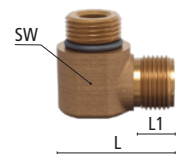
Thread connection	L	SW	D	L1	Weight	Type No. w/o valve	Type No. w valve
G 3/8 f	45	22	19	10	60	MKWH 38 NI	MKWH 38 NIAB



Elbow Connectors

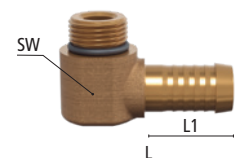
Elbow Connectors with male thread (in combination with MKWH 38 NI/AB)

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



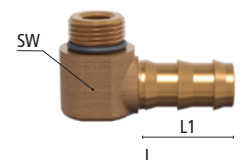
Elbow Connectors with hose stem (in combination with MKWH 38 NI/AB)

Hose connection	L	SW	L1	Weight	Type No.
Hose i.D. 9	46.5	20	22.5	77	MKW 9 TL90
Hose i.D. 13	49	20	25	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. 9	51	20	28	79	MKW 10 T90
Hose i.D. 13	51	20	28	84	MKW 13 T90



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

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



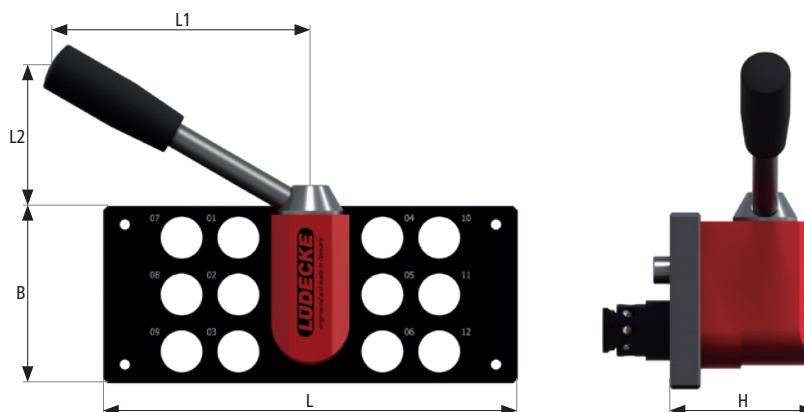
Materials

- 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	-20°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	1100	MKMH06
12	190	81	118	67	68	1200	MKMH12
20	206	103	118	67	68	1275	MKMH20

Accessories



Handle

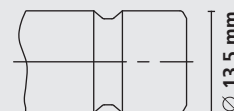
Version	L	B	H	Weight	Type No.
06/ 12	76	36	40	23	MKM-B64
20	100	36	40	25	MKM-B88

Multi-Coupling System - International Plug Profile

Machine Side **Series MKD**

DN 9

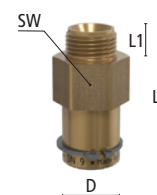
Plug Profile (original size)



Couplings

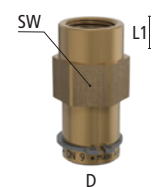
Couplings with male thread (including safety ring)

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	75	MKMD 38 A	MKMD 38 AAB



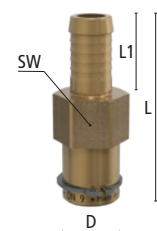
Couplings with female thread (including safety ring)

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



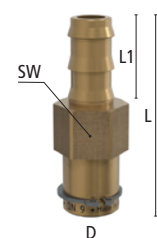
Couplings with hose stem (including safety ring)

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	71	MKMD 9 TL	MKMD 9 TLAB
Hose i.D. 13	64	22	19	25	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	80	MKMD 10 T	MKMD 10 TAB
Hose i.D. 13	67.5	22	19	28	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)!

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



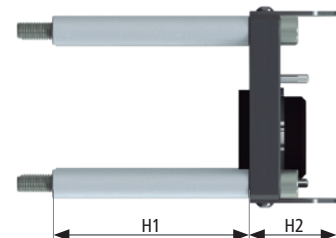
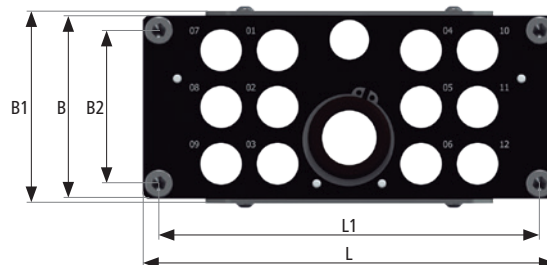
Materials

- 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	-20°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)

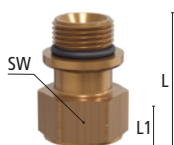
Plates



Plates without products

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

Adapter



Adapter with female thread

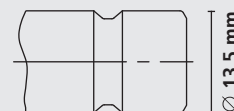
Thread connection	L	SW	L1	Weight	Type No.
G 3/8 f	33	22	10	55	MKW-V

Multi-Coupling System - International Plug Profile

Tool Side **Series MKD**

DN 9

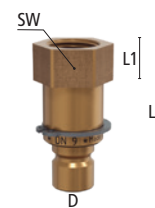
Plug Profile (original size)



Plugs

Plugs with female thread (including safety ring)

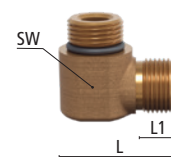
Thread connection	L	SW	D	L1	Weight	Type No. w/o valve	Type No. w valve
G 3/8 f	46.5	22	19	10	60	MKWD 38 NI	MKWD 38 NIAB



Elbow Connectors

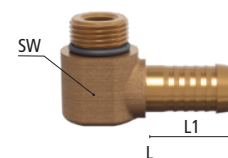
Elbow Connector with male thread (in combination with MKWD 38 NI/AB)

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



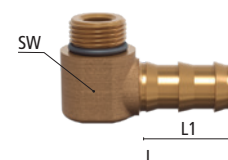
Elbow Connectors with hose stem (in combination with MKWD 38 NI/AB)

Hose connection	L	SW	L1	Weight	Type No.
Hose i.D. 9	46.5	20	22.5	77	MKW 9 TL90
Hose i.D. 13	49	20	25	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. 9	51	20	28	79	MKW 10 T90
Hose i.D. 13	51	20	28	84	MKW 13 T90



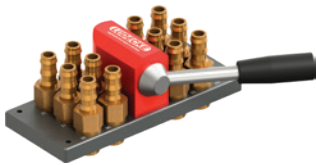
Safety instruction: Only use quick-fit hose stems in combination with suitable quick-fit hoses (up to max. 100°C)!

Multi-Coupling System - French Plug Profile

Series 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



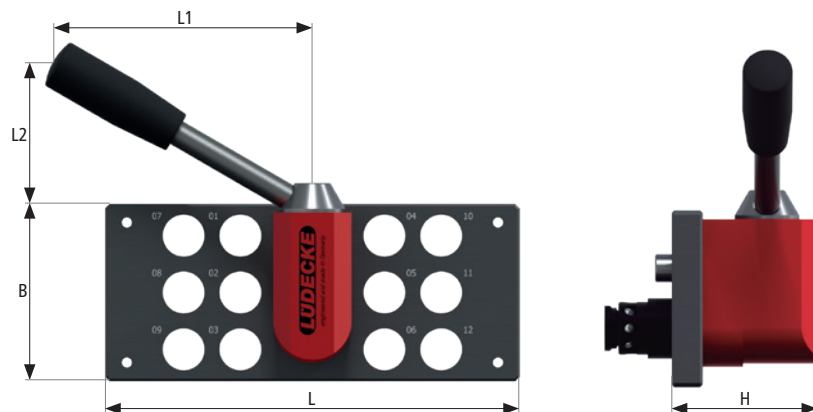
Materials

- 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	-20°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	1050	MKMF06
12	190	81	118	67	68	1150	MKMF12
20	206	103	118	67	68	1275	MKMF20

Accessories



Handle

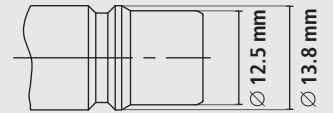
Version	L	B	H	Weight	Type No.
06/ 12	76	36	40	23	MKM-B64
20	100	36	40	25	MKM-B88

Multi-Coupling System - French Plug Profile

Machine Side **Series MKF**

DN 9

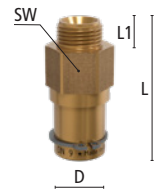
Plug Profile (original size)



Couplings

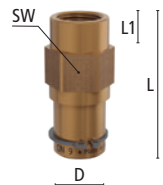
Couplings with male thread (including safety ring)

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



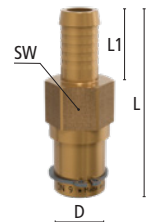
Couplings with female thread (including safety ring)

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	80	MKMF 38 I	MKMF 38 IAB



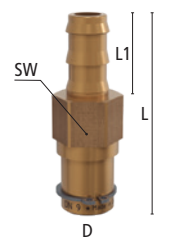
Couplings with hose stem (including safety ring)

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	77	MKMF 9 TL	MKMF 9 TLAB
Hose i.D. 13	66.5	22	19	25	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	84	MKMF 10 T	MKMF 10 TAB
Hose i.D. 13	70	22	19	28	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)!

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



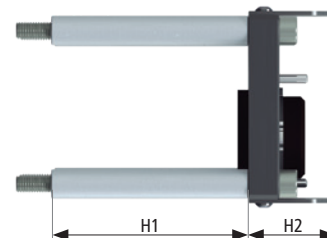
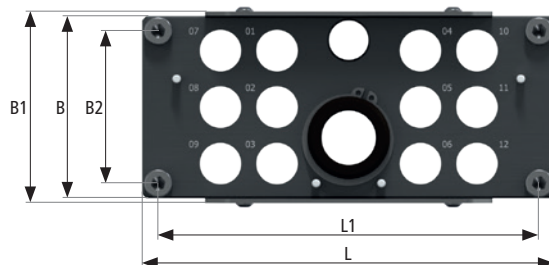
Materials

- 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	-20°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)

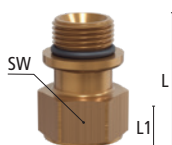
Plates



Plates without products

Connection	L	B	L1	B1	B2	H1	H2	Weight	Type No.
6	140	84	120	88	70	90	40	1075	MKWF06
12	190	84	175	88	70	90	40	1175	MKWF12
20	206	104	186	108	84	90	40	1350	MKWF20

Adapter



Adapter with female thread

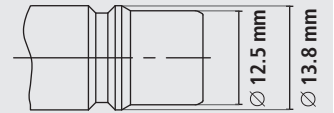
Thread connection	L	SW	L1	Weight	Type No.
G 3/8 f	33	22	10	55	MKW-V

Multi-Coupling System - French Plug Profile

Tool Side **Series MKF**

DN 9

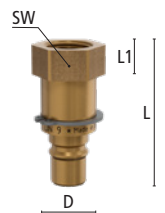
Plug Profile (original size)



Plugs

Plugs with female thread (including safety ring)

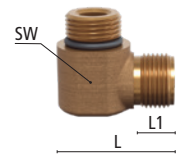
Thread connection	L	SW	D	L1	Weight	Type No. w/o valve	Type No. w valve
G 3/8 f	49	22	19	13	51	MKWF 38 NI	MKWF 38 NIAB



Elbow Connectors

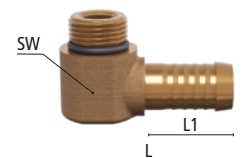
Elbow Connector with male thread (in combination with MKWF 38 NI/AB)

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



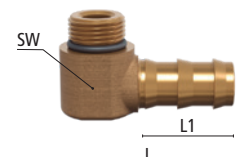
Elbow Connectors with hose stem (in combination with MKWF 38 NI/AB)

Hose connection	L	SW	L1	Weight	Type No.
Hose i.D. 9	46.5	20	22.5	77	MKW 9 TL90
Hose i.D. 13	49	20	25	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. 9	51	20	28	79	MKW 10 T90
Hose i.D. 13	51	20	28	84	MKW 13 T90



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

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



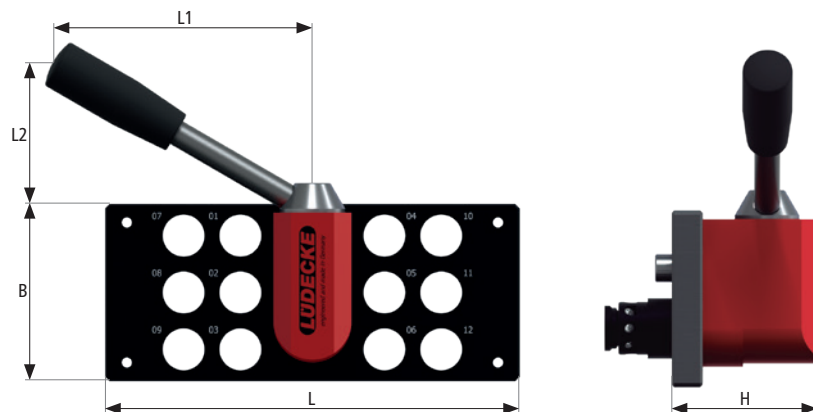
Materials

- 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	-20°C – +200°C*	9	ISO 228	Double Shut-off	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	1125	MKML06
12	200	95	118	59	68	1225	MKML12
20	240	125	118	59	68	1500	MKML20

Accessories



Handle

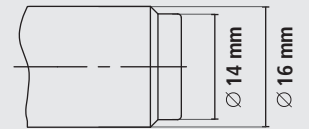
Version	L	B	H	Weight	Type No.
06/ 12	76	36	40	23	MKM-B64
20	100	36	40	25	MKM-B88

Multi-Coupling System - Dripless System

Machine Side **Series MKL**

DN 9

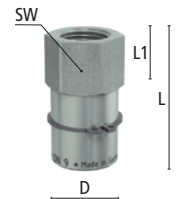
Plug Profile (original size)



Couplings

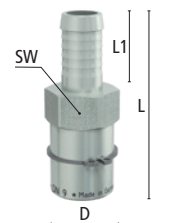
Coupling with female thread (including safety ring)

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



Couplings with hose stem (including safety ring)

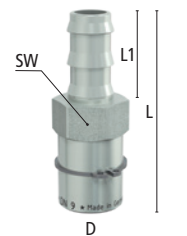
Hose connection	L	SW	D	L1	Weight	Type No. w valve
Hose i.D. 9	58.3	22	21.5	22.5	77	MKML 9 TLAB
Hose i.D. 13	60.8	22	21.5	25	82	MKML 13 TLAB



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	80	MKML 10 TAB
Hose i.D. 13	63.7	22	21.5	27.9	84	MKML 13 TAB

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



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



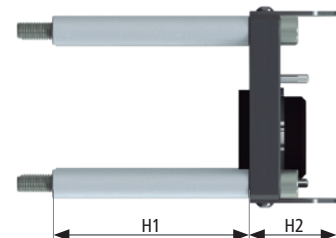
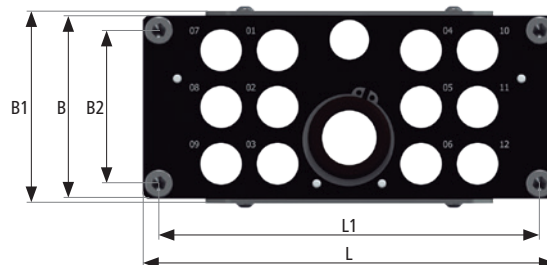
Materials

- 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	-20°C – +200°C*	9	ISO 228	Double Shut-off	Air/ Water/ Oil/ Vacuum

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

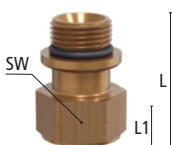
Plates



Plates without products

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

Adapter



Adapter with female thread

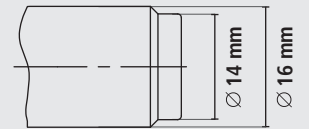
Thread connection	L	SW	L1	Weight	Type No.
G 3/8 f	33	22	10	55	MKW-V

Multi-Coupling System - Dripless System

Tool Side **Series MKL**

DN 9

Plug Profile (original size)



Plugs

Plug with female thread (including safety ring)

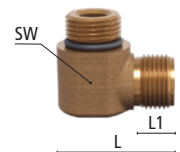
Thread connection	L	SW	D	L1	Weight	Type No. w valve
G 3/8 f	50.4	24	22	10	102	MKWL 38 NIAB



Elbow Connectors

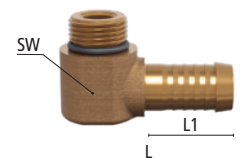
Elbow Connector with male thread (in combination with MKWL 38 NIAB)

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



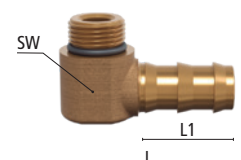
Elbow Connectors with hose stem (in combination with MKWL 38 NIAB)

Hose connection	L	SW	L1	Weight	Type No.
Hose i.D. 9	46.5	20	22.5	77	MKW 9 TL90
Hose i.D. 13	49	20	25	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. 9	51	20	28	79	MKW 10 T90
Hose i.D. 13	51	20	28	84	MKW 13 T90



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

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LÜDECKE GmbH - Heinrich-Hauck-Str. 2 - D-92224 Amberg - Phone: +49 9621 7682 0 - Fax: +49 9621 7682 99
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