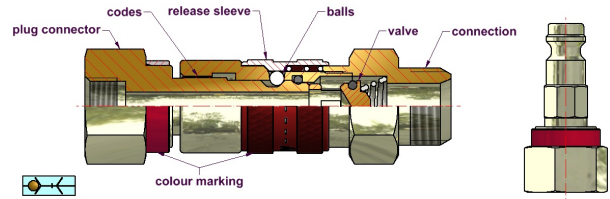


LOW-PRESSURE CODED BRASS COUPLING, 090 - NOMINAL FLOW DIAMETER 5-BRASS, NICKEL PLATED A



**TECHNIQUE**

This single-handed coupling is used where a mix-up of media via coding, with concurrent color labeling, must be ruled out. Locking elements are 5 balls that are locked by a spring-loaded release sleeve. The uncoupling process is started by pushing the release sleeve back in the direction of the connection. The valve returns to its original position and pushes the plug connector out of the coupling.

**ANWENDUNGSBEREICHE**

- brass
- general industrial supplies

**PRESSURE RANGE**

The coupling can be statically loaded up to 35 bar without pulsation.

**MATERIALS COUPLING**

|                                  |                          |
|----------------------------------|--------------------------|
| Basic body, connection, valve    | brass, nickel plated     |
| Release sleeve                   | aluminium, blue anodized |
| Pressure springs, retaining ring | AISI 302                 |
| Balls                            | AISI 420                 |

**MATERIALS GASKET**

Seals made of nitrile butadiene rubber (NBR)  
 Hardness of material 70 Shore  
 Temperature range -30°C through +110°C  
 Temperature range -35°C through +110°C (allowed for short periods)  
 Gas permeability coefficient (Ø)=5  
 Resistant to mineral oils, fuels, water and watery liquids, fuel gas, hot air and many chemicals (on request)  
 If air or ozone are applied, hardening and brittleness (cracking) must be expected.

**MATERIALS CONNECTION**

|                      |                      |
|----------------------|----------------------|
| Plug connector       | brass, nickel plated |
| Plug connector label | aluminium, anodized  |

LOW-PRESSURE CODED BRASS COUPLING, 090 - NOMINAL FLOW DIAMETER 5-BRASS, NICKEL PLATED A

FEMALE COUPLING

|  | Connect | L1 | SW | Order number          |
|--|---------|----|----|-----------------------|
|  | G1/8    | 7  | 14 | 090.0S.KV10.IG018.MNP |
|  | G1/8    | 7  | 14 | 090.0A.KV20.IG018.MNP |
|  | G1/8    | 7  | 14 | 090.0R.KV80.IG018.MNP |
|  | G1/8    | 7  | 14 | 090.0D.KV70.IG018.MNP |
|  | G1/8    | 7  | 14 | 090.0V.KV40.IG018.MNP |
|  | G1/8    | 7  | 14 | 090.0Z.KV60.IG018.MNP |
|  | G1/4    | 9  | 17 | 090.0S.KV10.IG014.MNP |
|  | G1/4    | 9  | 17 | 090.0A.KV20.IG014.MNP |
|  | G1/4    | 9  | 17 | 090.0R.KV80.IG014.MNP |
|  | G1/4    | 9  | 17 | 090.0D.KV70.IG014.MNP |
|  | G1/4    | 9  | 17 | 090.0V.KV40.IG014.MNP |
|  | G1/4    | 9  | 17 | 090.0Z.KV60.IG014.MNP |

MALE COUPLING

|  | Connect | L1 | W   | SW | Order number          |
|--|---------|----|-----|----|-----------------------|
|  | G1/8    | 7  | 45° | 14 | 090.0S.KV10.AG018.MNP |
|  | G1/8    | 7  | 45° | 14 | 090.0A.KV20.AG018.MNP |
|  | G1/8    | 7  | 45° | 14 | 090.0R.KV80.AG018.MNP |
|  | G1/8    | 7  | 45° | 14 | 090.0D.KV70.AG018.MNP |
|  | G1/8    | 7  | 45° | 17 | 090.0V.KV40.AG018.MNP |
|  | G1/8    | 7  | 45° | 14 | 090.0Z.KV60.AG018.MNP |
|  | G1/4    | 9  | 45° | 17 | 090.0S.KV10.AG014.MNP |
|  | G1/4    | 9  | 45° | 17 | 090.0A.KV20.AG014.MNP |
|  | G1/4    | 9  | 45° | 17 | 090.0R.KV80.AG014.MNP |
|  | G1/4    | 9  | 45° | 17 | 090.0D.KV70.AG014.MNP |
|  | G1/4    | 9  | 45° | 17 | 090.0V.KV40.AG014.MNP |
|  | G1/4    | 9  | 45° | 17 | 090.0Z.KV60.AG014.MNP |

HOSE TAIL COUPLING

|  | Connect | L1 | SW | Order number          |
|--|---------|----|----|-----------------------|
|  | LW4     | 17 | 14 | 090.0S.KV10.ST004.MNP |
|  | LW4     | 17 | 14 | 090.0A.KV20.ST004.MNP |
|  | LW4     | 17 | 14 | 090.0R.KV80.ST004.MNP |
|  | LW4     | 17 | 14 | 090.0D.KV70.ST004.MNP |
|  | LW4     | 17 | 14 | 090.0V.KV40.ST004.MNP |
|  | LW4     | 17 | 14 | 090.0Z.KV60.ST004.MNP |
|  | LW6     | 17 | 14 | 090.0S.KV10.ST006.MNP |
|  | LW6     | 17 | 14 | 090.0A.KV20.ST006.MNP |
|  | LW6     | 17 | 14 | 090.0R.KV80.ST006.MNP |
|  | LW6     | 17 | 14 | 090.0D.KV70.ST006.MNP |
|  | LW6     | 17 | 14 | 090.0V.KV40.ST006.MNP |
|  | LW6     | 17 | 14 | 090.0V.KV60.ST006.MNP |

LOW-PRESSURE CODED BRASS COUPLING, 090 - NOMINAL FLOW DIAMETER 5-BRASS, NICKEL PLATED A

|   |     |    |    |                       |
|---|-----|----|----|-----------------------|
|   | LW8 | 17 | 14 | 090.0S.KV10.ST008.MNP |
| ● | LW8 | 17 | 14 | 090.0A.KV20.ST008.MNP |
| ● | LW8 | 17 | 14 | 090.0R.KV80.ST008.MNP |
| ● | LW8 | 17 | 14 | 090.0D.KV70.ST008.MNP |
| ● | LW8 | 17 | 14 | 090.0V.KV40.ST008.MNP |
| ● | LW8 | 17 | 14 | 090.0V.KV60.ST008.MNP |

|   |     |    |    |                       |
|---|-----|----|----|-----------------------|
| ● | LW9 | 17 | 14 | 090.0S.KV10.ST009.MNP |
| ● | LW9 | 17 | 14 | 090.0A.KV20.ST009.MNP |
| ● | LW9 | 17 | 14 | 090.0R.KV80.ST009.MNP |
| ● | LW9 | 17 | 14 | 090.0D.KV70.ST009.MNP |
| ● | LW9 | 17 | 14 | 090.0V.KV40.ST009.MNP |
| ● | LW9 | 17 | 14 | 090.0V.KV60.ST009.MNP |

|   |      |    |    |                       |
|---|------|----|----|-----------------------|
| ● | LW10 | 17 | 14 | 090.0S.KV10.ST010.MNP |
| ● | LW10 | 17 | 14 | 090.0A.KV20.ST010.MNP |
| ● | LW10 | 17 | 14 | 090.0R.KV80.ST010.MNP |
| ● | LW10 | 17 | 14 | 090.0D.KV70.ST010.MNP |
| ● | LW10 | 17 | 14 | 090.0V.KV40.ST010.MNP |
| ● | LW10 | 17 | 14 | 090.0V.KV60.ST010.MNP |

QUICK FIT TUBE CONNECTION COUPLING

|   | Connect | L1 | SW/SW1 | Order number          |
|---|---------|----|--------|-----------------------|
| ● | 4x6     | 13 | 14/14  | 090.0S.KV10.SV006.MNP |
| ● | 4x6     | 13 | 14/14  | 090.0A.KV20.SV006.MNP |
| ● | 4x6     | 13 | 14/14  | 090.0R.KV80.SV006.MNP |
| ● | 4x6     | 13 | 14/14  | 090.0D.KV70.SV006.MNP |
| ● | 4x6     | 13 | 14/14  | 090.0V.KV40.SV006.MNP |
| ● | 4x6     | 13 | 14/14  | 090.0Z.KV60.SV006.MNP |

|   |     |    |       |                       |
|---|-----|----|-------|-----------------------|
| ● | 6x8 | 13 | 14/14 | 090.0S.KV10.SV008.MNP |
| ● | 6x8 | 13 | 14/14 | 090.0A.KV20.SV008.MNP |
| ● | 6x8 | 13 | 14/14 | 090.0R.KV80.SV008.MNP |
| ● | 6x8 | 13 | 14/14 | 090.0D.KV70.SV008.MNP |
| ● | 6x8 | 13 | 14/14 | 090.0V.KV40.SV008.MNP |
| ● | 6x8 | 13 | 14/14 | 090.0Z.KV60.SV008.MNP |




PANEL MOUNT, QUICK FIT TUBE CONNECTION COUPLING

|   | Connect | L1 | G     | SW/SW1 | Order number          |
|---|---------|----|-------|--------|-----------------------|
| ● | 4x6     | 18 | M10x1 | 14/14  | 090.0S.KV10.SSV06.MNP |
| ● | 4x6     | 18 | M10x1 | 14/14  | 090.0A.KV20.SSV06.MNP |
| ● | 4x6     | 18 | M10x1 | 14/14  | 090.0R.KV80.SSV06.MNP |
| ● | 4x6     | 18 | M10x1 | 14/14  | 090.0D.KV70.SSV06.MNP |
| ● | 4x6     | 18 | M10x1 | 14/14  | 090.0V.KV40.SSV06.MNP |
| ● | 4x6     | 18 | M10x1 | 14/14  | 090.0Z.KV60.SSV06.MNP |

|   |     |    |       |       |                       |
|---|-----|----|-------|-------|-----------------------|
| ● | 6x8 | 18 | M12x1 | 17/17 | 090.0S.KV10.SSV08.MNP |
| ● | 6x8 | 18 | M12x1 | 17/17 | 090.0A.KV20.SSV08.MNP |



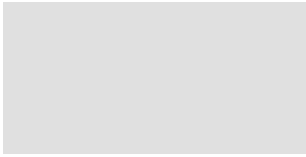
LOW-PRESSURE CODED BRASS COUPLING, 090 - NOMINAL FLOW DIAMETER 5-BRASS, NICKEL PLATED A

|   |     |    |       |       |                       |
|---|-----|----|-------|-------|-----------------------|
|   | 6x8 | 18 | M12x1 | 17/17 | 090.0R.KV80.SSV08.MNP |
|  | 6x8 | 18 | M12x1 | 17/17 | 090.0D.KV70.SSV08.MNP |
|  | 6x8 | 18 | M12x1 | 17/17 | 090.0V.KV40.SSV08.MNP |
|  | 6x8 | 18 | M12x1 | 17/17 | 090.0Z.KV60.SSV08.MNP |



LOW-PRESSURE CODED BRASS COUPLING, 090 - NOMINAL FLOW DIAMETER 5-BRASS, NICKEL PLATED A

PANEL MOUNT, STANDARD HOSE TAIL COUPLING



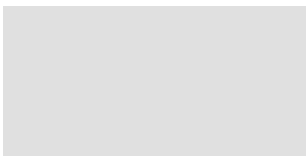
|  | Connect | L1 | G     | SW/SW1 | Order number          |
|--|---------|----|-------|--------|-----------------------|
|  | LW4     | 14 | M10x1 | 14/14  | 090.0S.KV10.SST04.MNP |
|  | LW4     | 14 | M10x1 | 14/14  | 090.0A.KV20.SST04.MNP |
|  | LW4     | 14 | M10x1 | 14/14  | 090.0R.KV80.SST04.MNP |
|  | LW4     | 14 | M10x1 | 14/14  | 090.0D.KV70.SST04.MNP |
|  | LW4     | 14 | M10x1 | 14/14  | 090.0V.KV40.SST04.MNP |
|  | LW4     | 14 | M10x1 | 14/14  | 090.0Z.KV60.SST04.MNP |

|  |     |    |       |       |                       |
|--|-----|----|-------|-------|-----------------------|
|  | LW5 | 14 | M12x1 | 14/14 | 090.0S.KV10.SST05.MNP |
|  | LW5 | 14 | M12x1 | 14/14 | 090.0A.KV20.SST05.MNP |
|  | LW5 | 14 | M12x1 | 14/14 | 090.0R.KV80.SST05.MNP |
|  | LW5 | 14 | M12x1 | 14/14 | 090.0D.KV70.SST05.MNP |
|  | LW5 | 14 | M12x1 | 14/14 | 090.0V.KV40.SST05.MNP |
|  | LW5 | 14 | M12x1 | 14/14 | 090.0Z.KV60.SST05.MNP |

|  |     |    |       |       |                       |
|--|-----|----|-------|-------|-----------------------|
|  | LW6 | 14 | M12x1 | 17/17 | 090.0S.KV10.SST06.MNP |
|  | LW6 | 14 | M12x1 | 17/17 | 090.0A.KV20.SST06.MNP |
|  | LW6 | 14 | M12x1 | 17/17 | 090.0R.KV80.SST06.MNP |
|  | LW6 | 14 | M12x1 | 17/17 | 090.0D.KV70.SST06.MNP |
|  | LW6 | 14 | M12x1 | 17/17 | 090.0V.KV40.SST06.MNP |
|  | LW6 | 14 | M12x1 | 17/17 | 090.0Z.KV60.SST06.MNP |

|  |     |    |       |       |                       |
|--|-----|----|-------|-------|-----------------------|
|  | LW8 | 14 | M12x1 | 17/17 | 090.0S.KV10.SST08.MNP |
|  | LW8 | 14 | M12x1 | 17/17 | 090.0A.KV20.SST08.MNP |
|  | LW8 | 14 | M12x1 | 17/17 | 090.0R.KV80.SST08.MNP |
|  | LW8 | 14 | M12x1 | 17/17 | 090.0D.KV70.SST08.MNP |
|  | LW8 | 14 | M12x1 | 17/17 | 090.0V.KV40.SST08.MNP |
|  | LW8 | 14 | M12x1 | 17/17 | 090.0Z.KV60.SST08.MNP |

FEMALE PLUG

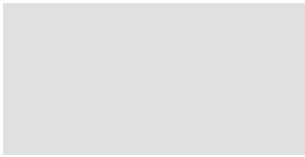


|  | Connect | L1 | SW | Order number          |
|--|---------|----|----|-----------------------|
|  | G1/8    | 7  | 17 | 090.0S.S010.IG018.MN0 |
|  | G1/8    | 7  | 17 | 090.0A.S020.IG018.MN0 |
|  | G1/8    | 7  | 17 | 090.0R.S080.IG018.MN0 |
|  | G1/8    | 7  | 17 | 090.0R.S070.IG018.MN0 |
|  | G1/8    | 7  | 17 | 090.0R.S040.IG018.MN0 |
|  | G1/8    | 7  | 17 | 090.0R.S060.IG018.MN0 |

|  |      |   |    |                       |
|--|------|---|----|-----------------------|
|  | G1/4 | 9 | 17 | 090.0S.S010.IG014.MN0 |
|  | G1/4 | 7 | 17 | 090.0A.S020.IG014.MN0 |
|  | G1/4 | 7 | 17 | 090.0R.S080.IG014.MN0 |
|  | G1/4 | 7 | 17 | 090.0R.S070.IG014.MN0 |
|  | G1/4 | 7 | 17 | 090.0R.S040.IG014.MN0 |
|  | G1/4 | 7 | 17 | 090.0R.S060.IG014.MN0 |

MALE PLUG

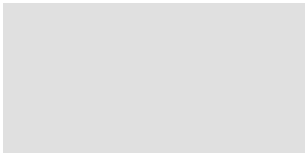
LOW-PRESSURE CODED BRASS COUPLING, 090 - NOMINAL FLOW DIAMETER 5-BRASS, NICKEL PLATED A



|  | Connect | L1 | SW | Order number          |
|--|---------|----|----|-----------------------|
|  | G1/8    | 7  | 17 | 090.0S.S010.AG018.MN0 |
|  | G1/8    | 7  | 17 | 090.0A.S020.AG018.MN0 |
|  | G1/8    | 7  | 17 | 090.0R.S080.AG018.MN0 |
|  | G1/8    | 7  | 17 | 090.0R.S070.AG018.MN0 |
|  | G1/8    | 7  | 17 | 090.0R.S040.AG018.MN0 |
|  | G1/8    | 7  | 17 | 090.0R.S060.AG018.MN0 |

|  |      |   |    |                       |
|--|------|---|----|-----------------------|
|  | G1/4 | 9 | 17 | 090.0S.S010.AG014.MN0 |
|  | G1/4 | 9 | 17 | 090.0A.S020.AG014.MN0 |
|  | G1/4 | 9 | 17 | 090.0R.S080.AG014.MN0 |
|  | G1/4 | 9 | 17 | 090.0R.S070.AG014.MN0 |
|  | G1/4 | 9 | 17 | 090.0R.S040.AG014.MN0 |
|  | G1/4 | 9 | 17 | 090.0R.S060.AG014.MN0 |

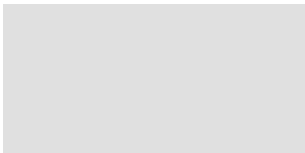
QUICK FIT TUBE CONNECTION PLUG



|  | Connect | L1 | SW/SW1 | Order number          |
|--|---------|----|--------|-----------------------|
|  | 4x6     | 13 | 17/14  | 090.0S.S010.SV006.MN0 |
|  | 4x6     | 13 | 17/14  | 090.0A.S020.SV006.MN0 |
|  | 4x6     | 13 | 17/14  | 090.0R.S080.SV006.MN0 |
|  | 4x6     | 13 | 17/14  | 090.0D.S070.SV006.MN0 |
|  | 4x6     | 13 | 17/14  | 090.0V.S040.SV006.MN0 |
|  | 4x6     | 13 | 17/14  | 090.0Z.S060.SV006.MN0 |

|  |     |    |       |                       |
|--|-----|----|-------|-----------------------|
|  | 6x8 | 13 | 17/14 | 090.0S.S010.SV008.MN0 |
|  | 6x8 | 13 | 17/14 | 090.0A.S020.SV008.MN0 |
|  | 6x8 | 13 | 17/14 | 090.0R.S080.SV008.MN0 |
|  | 6x8 | 13 | 17/14 | 090.0D.S070.SV008.MN0 |
|  | 6x8 | 13 | 17/14 | 090.0V.S040.SV008.MN0 |
|  | 6x8 | 13 | 17/14 | 090.0Z.S060.SV008.MN0 |

PANEL MOUNT, STANDARD HOSE TAIL PLUG



|  | Connect | L1 | G     | SW/SW1 | Order number          |
|--|---------|----|-------|--------|-----------------------|
|  | LW4     | 14 | M10x1 | 17/17  | 090.0S.S010.SST04.MN0 |
|  | LW4     | 14 | M10x1 | 17/17  | 090.0A.S020.SST04.MN0 |
|  | LW4     | 14 | M10x1 | 17/17  | 090.0R.S080.SST04.MN0 |
|  | LW4     | 14 | M10x1 | 17/17  | 090.0D.S070.SST04.MN0 |
|  | LW4     | 14 | M10x1 | 17/17  | 090.0V.S040.SST04.MN0 |
|  | LW4     | 14 | M10x1 | 17/17  | 090.0Z.S060.SST04.MN0 |

|  | Anschluss | L1 | G     | SW/SW1 | Bestellnummer         |
|--|-----------|----|-------|--------|-----------------------|
|  | LW6       | 14 | M12x1 | 17/14  | 090.0S.S010.SST06.MN0 |
|  | LW6       | 14 | M12x1 | 17/14  | 090.0A.S020.SST06.MN0 |
|  | LW6       | 14 | M12x1 | 17/14  | 090.0R.S080.SST06.MN0 |
|  | LW6       | 14 | M12x1 | 17/14  | 090.0D.S070.SST06.MN0 |
|  | LW6       | 14 | M12x1 | 17/14  | 090.0V.S040.SST06.MN0 |
|  | LW6       | 14 | M12x1 | 17/14  | 090.0Z.S060.SST06.MN0 |