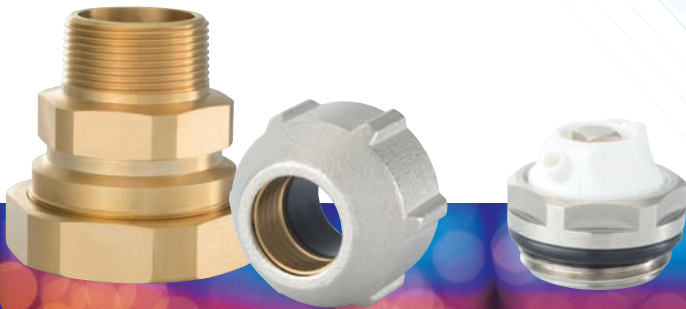


# SOLUTIONS FOR HEATING AND DRINKING WATER SYSTEMS



## HUMMEL - reliable connection solutions for heating and sanitary





### Heating systems

- // Connection technology
- // Radiator connections
- // Venting / Outflow

### Drinking water systems

- // Steel pipe adapters
- // Compression fittings
- // Connecting parts + nipples

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# LEGEND

## Abbreviations and Certificats

### Abbreviations technical features

- A1 [mm] Length measure 1 in mm
- A2 [mm] Length measure 2 in mm
- AG1 Length dimension 1
- AG2 Length dimension 2
- AG3 Length dimension 3
- AG4 Length dimension 4
- AM [mm] Axial dimension in mm
- AT1 Connection size 1
- AT2 Connection size 2
- AT3 Connection size 3
- AT4 Connection size 4
- B [mm] Width in mm
- GL1 [mm] Thread length 1 in mm
- GL2 [mm] Thread length 2 in mm
- H [mm] Height in mm
- Lv [mm] Variable length in mm
- L [mm] Length in mm
- R [mm] Pipe dimension in mm
- SW1 [mm] Wrench size 1 in mm
- SW2 [mm] Wrench size 2 in mm
- SW3 [mm] Wrench size 3 in mm
- SW4 [mm] Wrench size 4 in mm
- SW5 [mm] Wrench size 5 in mm

### Certificats



DVGW The German Technical and Scientific and Water Industry (DVGW) certifies the safety according to DIN 1988 in water supply



UBA All materials used comply with the hygienic specifications of the Federal Environment Agency (UBA)



H & T These products can be used in both heating and drinking water systems.



ÜA The ÜA mark (conformity Austria) is a legally prescribed proof for building products

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# INSTALLATION VIDEOS

## SpeedFIX compression fitting

With HUMMEL compression fittings, pipes and fittings can be securely connected in just three steps: Attach, tighten, fix.



## Diverters

When changing radiators, there is always the problem of a reversed flow and return. Diverters ensure the correct direction of flow.



## Steel pipe adapters

Steel pipe adapters are ideal for mounting radiators or other fittings to existing connections: no welding, no thread cutting.



## Flexible radiator connections

This popular problem solver is always used when the pipe spacing to the new radiator no longer fits. For installation ranges from 65 to 410 millimetres.



## Emergency service case

With the emergency service case, plumbers have compression fittings for all common pipe types on board and are thus prepared for all eventualities.



## Steel pipe adapter for drinking water systems

This steel pipe adapter is DVGW-certified and thus meets all hygienic requirements for safe use in drinking water systems.





# For heating and drinking water systems

Connection solutions from HUMMEL AG can be used in both heating and drinking water systems. The products are made of UBA-compliant materials and thus fulfil relevant hygiene requirements of the Federal Environment Agency. The range includes compression fittings, connection parts, nipples and steel pipe adapters.

One solution for two systems – this principle brings numerous advantages:

- // More safety for the craftsman
- // No risk of confusion on the construction site
- // Simple and uncomplicated procurement
- // Lean and clear stock-keeping
- // Simple assembly without special tools in both systems



# These problem solvers belong in every service van

Every tradesman knows the situation: emergency service call! After a pipe burst, a leak must be sealed; pipe type and pipe dimension are not known. If you have HUMMEL problem solvers in your service van in such situations, you can provide a quick solution. With compression fittings and connection parts, HUMMEL has the right solution in its range for almost every type of pipe.

However, renovations can also pose problems. Pipe transitions, height compensations or different distances are common challenges for all renovators.

## Differing distances

- // Excenter for connection fittings
- // Flexible radiator connections
- // Reductions



## Different pipe connections

- // Compression fittings MKV-K, MKV-M, SpeedFIX
- // For plastic, composite and metal pipes
- // Connecting parts and nipples



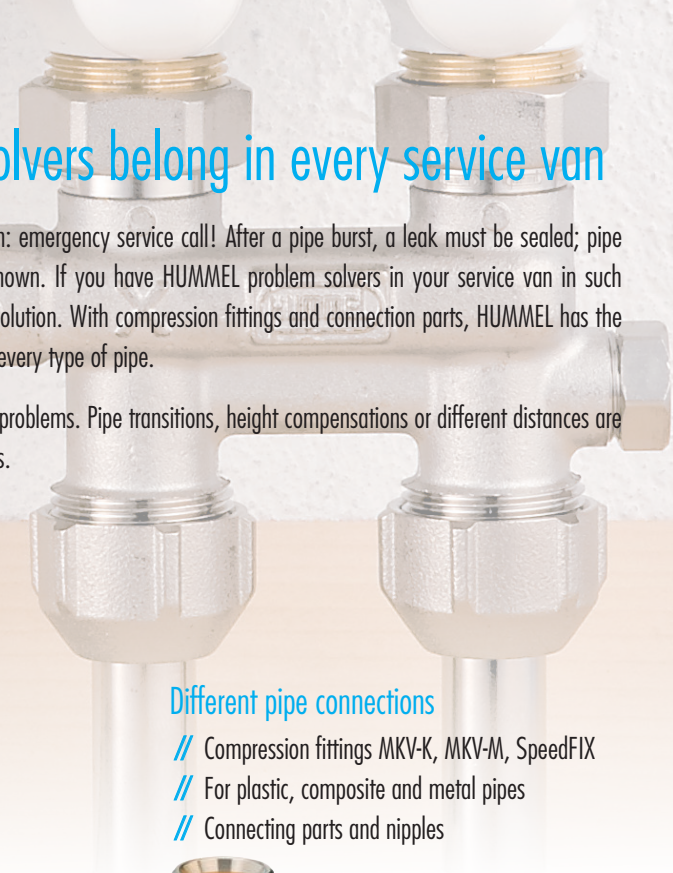
## Height compensation

- // Cone adapters
- // Telescopic connections
- // Extensions for connection fittings



## Interchanged flow and return

- // Deflection pieces
- // Straight-through or corner form
- // For one and two pipe systems



## MKV-K: 28 new renovation sets

These renovation sets belong in every service vehicle! They offer the right bolting solution for more than 70 different plastic and metal composite pipes. All common pipe diameters and wall and wall thicknesses are covered.

The way to the right solution is very simple. The specially developed, free MKV app is the ideal product finder: measure the pipe, enter the values, display the appropriate set, call up the data sheet and forward it if necessary.

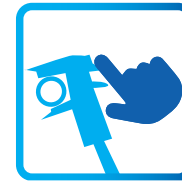
The new fitting sets are specially designed to meet the needs of tradesmen in renovation work. The resealable packaging contains 10 multi-range compression fittings plus a suitable calibration tool. This pre-treats the pipes so that a secure and permanently reliable connection is guaranteed.

**NEW!**  
28 MKV-K-Sets  
for  
renovation



## MKV-K Finder: The app for all cases

Quick and easy to find the right connection solution. It's so easy with the HUMMEL app: measure the pipe, enter the values, display the suitable connection solution and, if required, send it straight to your preferred dealer. The great thing about it: it works from anywhere. Whether on the construction site, in the service van, in the workshop or in the office.



### Step 1: Measure

Simply measure the outside and inside diameter of the pipe to be processed with a caliper gauge



### Step 2: Enter values

Open the HUMMEL app on your smartphone or PC. Transfer values to the input mask



### Step 3: Display results

At the touch of a button, the desired solution appears with all the necessary technical information



### Step 3: Display results

The technical data sheet is simply sent by e-mail to the preferred dealer



easy product selection  
with the MKV-App





## Prepared for all eventualities

Emergency service in the plumbing, heating and air-conditioning trade can quickly become an exceptional situation. A burst pipe at the weekend or on a public holiday, a leak in a rare type of pipe, damage in a hard-to-reach place - every tradesman knows these unforeseeable challenges.

It's good if you can then rely on the equipment in the service van. An indispensable component here: the HUMMEL emergency service case. This means that the tradesman always has the right compression fitting to hand. The range covers all common pipe sizes and types and thus always offers a quick solution for damaged areas.

The special feature here is that the compression fittings and connection parts can be used in heating systems as well as in drinking water systems. The products are certified according to the requirements of the Federal Environment Agency and thus fulfil all hygienic requirements for use in drinking water systems.

### More safety in emergency service: a suitcase full of solutions

- // For heating and drinking water systems
- // MKV-K for plastic and metal composite pipes
- // MKV-M for copper, precision steel and stainless steel pipes
- // Simple installation without special tools
- // Suitable even for hard-to-reach areas



to the product video

### Emergency service case

Item-No 2 810 0320 13



Article	AG1	AG2	Quantity	Item-No
Coupling nipple MKV	G 3/4	G 3/4	2 pieces	2 253 3434 00
Coupling nipple MKV	G 3/4	G 3/4	2 pieces	2 253 3434 01
Reduction piece MKV	G 1/2	G 3/4	2 pieces	2 254 1244 01
Reduction piece	G 5/8	G 3/4	2 pieces	2 254 5834 01
Connecting nipple	G 3/4	G 1/2	2 pieces	2 554 1234 00
Connecting nipple	G 3/4	G 1/2	2 pieces	2 554 1234 01
Connecting nipple	G 3/4	G 3/4	2 pieces	2 554 3434 00
Sealing cap	G 3/4	—	2 sets	2 810 0279 13
Compression fitting MKV-M	G 3/4	10 – 12 mm	1 set	2 855 0001 01
Compression fitting MKV-M	G 3/4	13 – 15 mm	1 set	2 855 0002 01
Compression fitting MKV-M	G 3/4	16 – 18 mm	1 set	2 855 0003 01
Compression fitting MKV-K	G 3/4	12 x 2 mm	1 set	2 862 1202 01
Compression fitting MKV-K	G 3/4	14 x 2 mm	1 set	2 862 1402 01
Compression fitting MKV-K	G 3/4	16 x 2 mm	1 set	2 862 1602 01
Compression fitting MKV-K	G 3/4	16 x 2.25 mm	1 set	2 862 1622 01
Compression fitting MKV-K	G 3/4	17 x 2 mm	1 set	2 862 1702 01
Compression fitting MKV-K	G 3/4	17 x 2.5 mm	1 set	2 862 1725 01
Compression fitting MKV-K	G 3/4	18 x 2 mm	1 set	2 862 1802 01
Compression fitting MKV-K	G 3/4	20 x 2 mm	1 set	2 862 2002 01
Compression fitting MKV-K	G 3/4	20 x 2.5 mm	1 set	2 862 2025 01
Compression fitting MKV-K	G 3/4	20 x 2.9 mm	1 set	2 862 2029 01

Dimensions and specifications may be changed without prior notice

### Service case Steel pipe adapter: simple, safe, clean

When replacing a radiator or installing a fitting, no one has to weld or cut threads any more. With the right steel pipe adapter, installation is simple, safe and above all: a clean affair. The steel pipe adapter is simply pushed onto the dirt-free pipe and tightened. This works even in the tightest spaces and under difficult installation conditions.

The specially designed HUMMEL service case is clearly equipped with many variants and sizes of steel pipe adapters. There are versions for fittings with Eurocone, internal or external thread. This means that the fitter always has the required version to hand and is prepared for any installation situation on site.

#### This service case saves time and long journeys

- // 11 steel tube adapter variants
- // All installation solutions just a handle away
- // High retention forces due to EPDM seal plus stainless steel claw
- // Maximum operating pressure: 10 bar
- // Operating temperature in heating systems: up to 120 °Celsius



to the product video

#### Steel pipe adapter case

Item-No 2 810 0320 20



Article	AG1	AG2	Quantity	Item-No
Steel pipe adapters with Eurocone internal thread	G 3/4	1/2	2 pieces	2 353 1234 01
Steel pipe adapters with Eurocone internal thread	G 3/4	3/8	2 pieces	2 353 3834 01
Steel pipe adapter with Eurocone external thread	G 3/4	1/2	2 pieces	2 354 1234 01
Steel pipe adapter with Eurocone external thread	G 3/4	3/4	2 pieces	2 354 3434 01
Steel pipe adapter with Eurocone external thread	G 3/4	3/8	2 pieces	2 354 3834 01
Steel pipe adapters with external thread	R 1	1	2 pieces	2 355 1010 01
Steel pipe adapters with external thread	R 1/2	1/2	2 pieces	2 355 1212 01
Steel pipe adapters with external thread	R 3/4	3/4	2 pieces	2 355 3434 01
Steel pipe adapters with external thread	R 1/2	3/8	2 pieces	2 355 3812 01
Steel pipe adapters with internal thread	G 1/2	1/2	2 pieces	2 356 1212 01
Steel pipe adapters with internal thread	G 1/2	3/8	2 pieces	2 356 3812 01

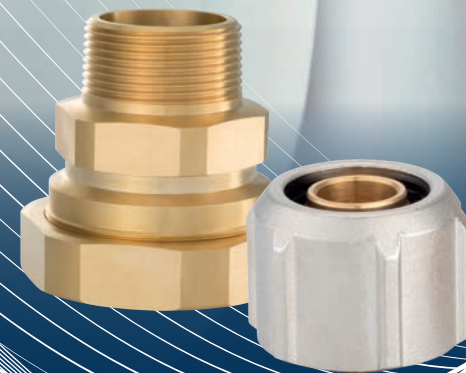
#### Suitable pipe-diameters (DIN EN 10255M)

Ø Pipe	outside diam.	max.	min.	insertion depth
3/8 *	17,2 mm	17,5 mm	16,7 mm	20 mm
1/2	21,3 mm	21,8 mm	21,0 mm	23 mm
3/4	26,9 mm	27,3 mm	26,5 mm	26 mm
1	33,7 mm	34,2 mm	33,3 mm	30 mm
1 ¼	42,4 mm	42,9 mm	42,0 mm	37 mm
1 ½	48,3 mm	48,8 mm	47,9 mm	48 mm

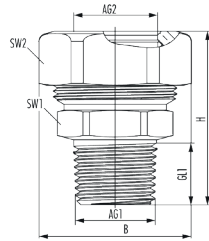
\* Only for heating systems

# DRINKING WATER

- // Steel pipe adapters
- // Compression fittings
- // Connectors and nipples







### INFO

- // Certified acc. DVGW cold water, Reg.No. DW-8511CU0182
- // Fast and dirt-free assembly
- // No welding and no thread cutting necessary
- // High pressure and temperature resistance
- // Flush-mounted use according to DIN
- // For steel pipes (DIN EN 10255 M/H, DIN EN 10220-1, DIN EN 10240)

### TECHNICAL DATA

Material	Brass blank
Material thrust ring	Brass blank
Material moulded seal	EPDM
Material retaining claw	Stainless steel
Max. operating pressure	10 bar
Max. operating temperature	120 °C
Max. operating temperature	95 °C

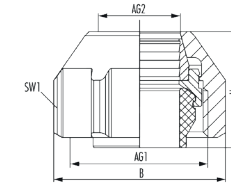
AG1	AG2	B mm	H mm	GL1 mm	SW1 mm	SW2 mm	Item-No
R 1/2	1/2	39.5	45	16.8	27	36	2 755 1212 00
R 3/4	3/4	50	50	19	34	45	2 755 3434 00
R 1	1	61	56	22	41	55	2 755 1010 00
R 1 1/4	1 1/4	71	69	25	50	65	2 755 5454 00
R 1 1/2	1 1/2	85	80	25	60	80	2 755 6464 00



to the assembly instruction



to the product video



### INFO

- // Set consists of 2 compression fittings
- // Preassembled and fixed
- // Clamping range 15mm
- // For copper, precision steel or (stainless) steel pipes with a wall thickness  $\geq 1$  mm (according to DIN EN 1057, DIN EN 10305-2 and DIN EN 10312)
- // Low tightening torque (easy mobility)
- // Suitable for district heating
- // EPDM sealing element
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass / Coated brass
Material moulded seal	EPDM
Material clamping ring	Brass blank
Max. operating pressure	10 bar
Max. operating temperature	120 °C
Max. operating temperature	95 °C

AG1	AG2	B mm	H mm	SW1 mm	Colour	Item-No
G 3/4	15 mm	33.2	20.5	30	nickel-plated	2 855 0015 01
G 3/4	15 mm	33.2	20.5	30	chrome	2 855 0015 02
G 3/4	15 mm	33.2	20.5	30	white	2 855 0015 90

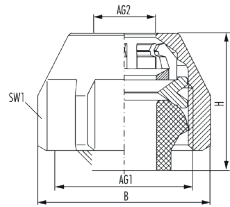


to the assembly instruction



to the product video





### INFO

- // Multi-range compression fitting
- // Set consists of 2 compression fittings
- // For copper, precision steel or (stainless) steel pipes with a wall thickness  $\geq 1$  mm (according to DIN EN 1057, DIN EN 10305-2 and DIN EN 10312)
- // EPDM sealing element
- // Eurocone compatible

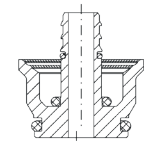
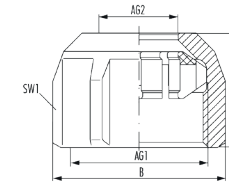
### TECHNICAL DATA

Material	Nickel-plated brass
Material clamping ring	Brass blank
Material moulded seal	EPDM
Tightening torque	40 Nm
Max. operating pressure	10 bar
Max. operating temperature	120 °C
Max. operating temperature	95 °C

AG1	AG2	B mm	H mm	SW1 mm	Item-No
G 3/4	10 – 12 mm	33.2	22	30	2 855 0001 01
G 3/4	13 – 15 mm	33.2	22	30	2 855 0002 01
G 3/4	16 – 18 mm	33.2	22	30	2 855 0003 01



to the assembly instruction



### INFO

- // Set consists of 2 compression fittings
- // For plastic or metal composite pipes
- // With integrated plastic clamp insert
- // With support bushings
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material clamping ring	PA
Material moulded seal	EPDM
Material support sleeve	Brass blank
Tightening torque	40 Nm
Max. operating pressure	10 bar
Max. operating temperature	120 °C
Max. operating temperature	95 °C

AG1	AG2	B mm	H mm	SW1 mm	Item-No
G 3/4	12 x 2 mm	33.2	24.5	30	2 862 1202 01
G 3/4	14 x 2 mm	33.2	24.5	30	2 862 1402 01
G 3/4	16 x 1.8 mm	33.2	25	30	2 862 1618 01
G 3/4	16 x 2 mm	33.2	25	30	2 862 1602 01
G 3/4	16 x 2.25 mm	33.2	25	30	2 862 1622 01
G 3/4	17 x 2 mm	33.2	25	30	2 862 1702 01
G 3/4	17 x 2.5 mm	33.2	25	30	2 862 1725 01
G 3/4	18 x 2 mm	33.2	25	30	2 862 1802 01
G 3/4	20 x 2 mm	33.2	25	30	2 862 2002 01
G 3/4	20 x 2.5 mm	33.2	25	30	2 862 2025 01
G 3/4	20 x 2.9 mm	33.2	25	30	2 862 2029 01



to the assembly instruction



# The right solution for every pipe

Good news for all modernisers and renovators: HUMMEL offers compression fittings for all common pipe types on the market. Gone are the days when tradesmen had to search for suitable connection solutions.

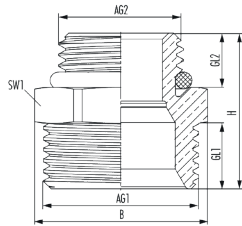
28 renovation sets offer solutions for more than 70 different plastic and metal composite pipes. These are almost all pipe types on the market. These sets are especially aimed at the needs in renovation. The old pipes can be pre-treated with a special calibration tool. This creates the conditions for a perfect and safe connection solution. One set consists of 10 fittings and one calibration tool.

## HUMMEL compression fittings make renovation easier:

- // For heating and drinking water systems
- // Simple, dirt-free installation without special tools
- // Space-saving installation especially for difficult environments
- // Suitable solutions also for special sizes



Set-No	AG1	AG2	Item-No
1	G 3/4	9.9 x 1.1 mm / 10 x 1.3 mm / 10.1 x 1.1 mm / 12 x 2.25 mm	2 862 0001 01
2	G 3/4	11.6 x 1.8 mm / 12 x 1.8 mm / 12 x 2 mm / 13 x 2.5 mm	2 862 0002 01
3	G 3/4	11.6 x 1.5 mm / 12 x 1.6 mm / 12 x 1.7 mm	2 862 0003 01
4	G 3/4	14 x 2.6 mm	2 862 0004 01
5	G 3/4	12 x 1.4 mm / 12 x 1.5 mm	2 862 0005 01
6	G 3/4	14 x 2.5 mm	2 862 0006 01
7	G 3/4	12 x 1.1 mm / 12 x 1.2 mm / 12 x 1.25 mm / 12 x 1.3 mm	2 862 0007 01
8	G 3/4	14 x 2.25 mm	2 862 0008 01
9	G 3/4	15 x 2.6 mm / 16 x 3.3 mm	2 862 0009 01
10	G 3/4	12 x 1 mm	2 862 0010 01
11	G 3/4	13 x 1.5 mm / 14 x 2 mm	2 862 0011 01
12	G 3/4	15 x 2.5 mm	2 862 0012 01
13	G 3/4	14 x 1.6 mm / 14 x 1.75 mm	2 862 0013 01
14	G 3/4	16 x 2.7 mm / 16 x 2.75 mm	2 862 0014 01
15	G 3/4	14 x 1.5 mm	2 862 0015 01
16	G 3/4	15 x 2.0 mm / 16.2 x 2.6 mm	2 862 0016 01
17	G 3/4	15 x 1.8 mm / 15.5 x 2 mm / 16 x 2.2 mm / 16 x 2.25 mm / 17 x 2.75 mm / 17 x 2.8 mm	2 862 0017 01
18	G 3/4	14 x 1 mm	2 862 0018 01
19	G 3/4	15 x 1.5 mm / 15.6 x 1.8 mm / 16 x 2 mm / 16.2 x 2.1 mm / 16.7 x 2.4 mm / 17 x 2.5 mm	2 862 0019 01
20	G 3/4	15 x 1.2 mm / 16 x 1.75 mm / 16 x 1.8 mm / 17 x 2.2 mm	2 862 0020 01
21	G 3/4	18 x 2.75 mm	2 862 0021 01
22	G 3/4	15 x 1 mm / 16 x 1.5 mm / 17 x 2 mm	2 862 0022 01
23	G 3/4	18 x 2.5 mm	2 862 0023 01
24	G 3/4	18 x 2 mm / 20 x 2.9 mm	2 862 0024 01
25	G 3/4	18 x 1.75 mm / 20 x 2.8 mm	2 862 0025 01
26	G 3/4	18 x 1.5 mm / 19 x 2 mm / 20 x 2.5 mm / 20.2 x 2.6 mm	2 862 0026 01
27	G 3/4	18 x 1.25 mm / 20 x 2.25 mm / 20 x 2.3 mm	2 862 0027 01
28	G 3/4	18 x 1 mm / 18 x 1.2 mm / 20 x 2 mm	2 862 0028 01



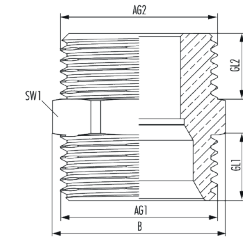
### INFO

- // For compression fittings
- // For manifolds and fittings
- // O-ring sealing
- // Flush-mounted use according to DIN
- // Eurocone compatible

### TECHNICAL DATA

Material	Brass blank
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C
Max. operating temperature	95 °C

AG1	AG2	L mm	B mm	H mm	GL1 mm	GL2 mm	SW1 mm	Item-No
G 3/4	G 1/2	29	29	26	11	9	26	2 554 1234 00



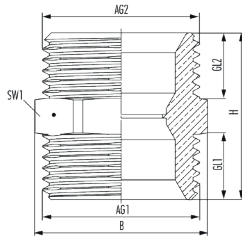
### INFO

- // For compression fittings
- // For manifolds and fittings
- // Transition of pressing systems
- // Flush-mounted use according to DIN
- // Eurocone compatible

### TECHNICAL DATA

Material	Brass blank
Max. operating pressure	10 bar
Max. operating temperature	120 °C
Max. operating temperature	95 °C

AG1	AG2	L mm	B mm	H mm	GL1 mm	GL2 mm	SW1 mm	Item-No
G 3/4	G 3/4	29	29	28	11	11	26	2 554 3434 00



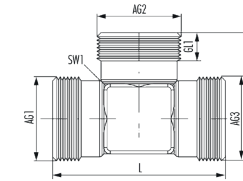
### INFO

- // For compression fittings
- // Connecting pipe systems
- // Flush-mounted use according to DIN
- // Eurocone compatible

### TECHNICAL DATA

Material	Brass blank
Max. operating pressure	10 bar
Max. operating temperature	120 °C
Max. operating temperature	95 °C

AG1	AG2	L mm	B mm	H mm	GL1 mm	GL2 mm	SW1 mm	Item-No
G 3/4	G 3/4	29	29	28	11	11	26	2.253.3434.00



### INFO

- // For compression fittings
- // Flush-mounted use according to DIN
- // Eurocone compatible

### TECHNICAL DATA

Material	Brass blank
Max. operating pressure	10 bar
Max. operating temperature	120 °C
Max. operating temperature	95 °C

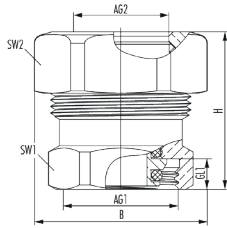
AG1	AG2	AG3	L mm	B mm	H mm	GL1 mm	SW1 mm	Item-No
G 3/4	G 3/4	G 3/4	54	26	40	9	22	2.253.3495.00



# CONNECTION TECHNOLOGY

- // Steel pipe adapters
- // Compression fittings
- // Connectors and nipples
- // Reductions
- // Coupling angles





### INFO

- // Fast and dirt-free assembly
- // No welding and no thread cutting necessary
- // Ideal for renovations and refurbishments
- // High pressure and temperature resistance
- // Flush-mounted use according to DIN
- // For steel pipes (DIN EN 10255 M/H, DIN EN 10220-1, DIN EN 10240)
- // For boiling pipes (DIN EN 10216-1, DIN EN 10217-1)
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material thrust ring	Brass blank
Material moulded seal	EPDM
Material retaining claw	Stainless steel
Max. operating pressure	10 bar
Max. operating temperature	120 °C

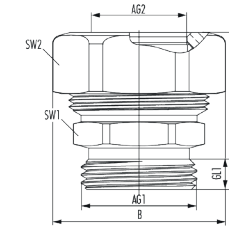
AG1	AG2	B mm	H mm	GL1 mm	SW1 mm	SW2 mm	Item-No
G 3/4	3/8	33	34	7	30	30	2 353 3834 01
G 3/4	1/2	39.5	36	7	30	36	2 353 1234 01



to the assembly instruction



to the product video



### INFO

- // Fast and dirt-free assembly
- // No welding and no thread cutting necessary
- // Ideal for renovations and refurbishments
- // High pressure and temperature resistance
- // Flush-mounted use according to DIN
- // For steel pipes (DIN EN 10255 M/H, DIN EN 10220-1, DIN EN 10240)
- // For boiling pipes (DIN EN 10216-1, DIN EN 10217-1)
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material thrust ring	Brass blank
Material moulded seal	EPDM
Material retaining claw	Stainless steel
Max. operating pressure	10 bar
Max. operating temperature	120 °C

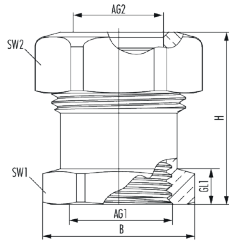
AG1	AG2	B mm	H mm	GL1 mm	SW1 mm	SW2 mm	Item-No
G 3/4	3/8	33	34	9.5	27	30	2 354 3834 01
G 3/4	1/2	39.5	36	9.5	27	36	2 354 1234 01
G 3/4	3/4	50	41	9.5	34	45	2 354 3434 01



to the assembly instruction



to the product video



### INFO

- // Fast and dirt-free assembly
- // No welding and no thread cutting necessary
- // Ideal for renovations and refurbishments
- // High pressure and temperature resistance
- // Flush-mounted use according to DIN
- // For steel pipes (DIN EN 10255 M/H, DIN EN 10220-1, DIN EN 10240)
- // For boiling pipes (DIN EN 10216-1, DIN EN 10217-1)

### TECHNICAL DATA

Material	Nickel-plated brass
Material thrust ring	Brass blank
Material moulded seal	EPDM
Material retaining claw	Stainless steel
Max. operating pressure	10 bar
Max. operating temperature	120 °C

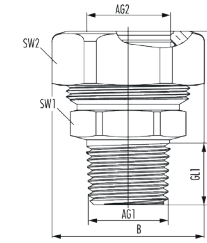
AG1	AG2	B mm	H mm	GL1 mm	SW1 mm	SW2 mm	Item-No
G 1/2	3/8	33	34	10	27	30	2 356 381 2 01
G 1/2	1/2	39.5	36	10	27	36	2 356 121 2 01



to the assembly instruction



to the product video



### INFO

- // Fast and dirt-free assembly
- // No welding and no thread cutting necessary
- // Ideal for renovations and refurbishments
- // High pressure and temperature resistance
- // Flush-mounted use according to DIN
- // For steel pipes (DIN EN 10255 M/H, DIN EN 10220-1, DIN EN 10240)
- // For boiling pipes (DIN EN 10216-1, DIN EN 10217-1)

### TECHNICAL DATA

Material	Nickel-plated brass
Material thrust ring	Brass blank
Material moulded seal	EPDM
Material retaining claw	Stainless steel
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	B mm	H mm	GL1 mm	SW1 mm	SW2 mm	Item-No
R 3/8	3/8	33	39	13.2	24	30	2 355 383 8 01
R 1/2	3/8	33	42	16.8	24	30	2 355 381 2 01
R 1/2	1/2	39.5	45	16.8	27	36	2 355 121 2 01
R 3/4	3/4	50	50	19	34	45	2 355 343 4 01
R 1	1	61	56	22	41	55	2 355 101 0 01
R 1 1/4	1 1/4	71	69	25	50	65	2 355 545 4 01
R 1 1/2	1 1/2	85	80	25	60	80	2 355 646 4 01



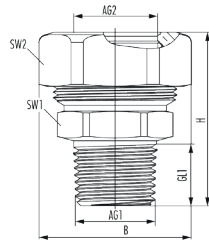
to the assembly instruction



to the product video

# CONNECTION TECHNOLOGY

## Drinking water Steel pipe adapters with external thread



### INFO

- // Certified acc. DVGW cold water, Reg.No. DW-8511CU0182
- // Fast and dirt-free assembly
- // No welding and no thread cutting necessary
- // High pressure and temperature resistance
- // Flush-mounted use according to DIN
- // For steel pipes (DIN EN 10255 M/H, DIN EN 10220-1, DIN EN 10240)

### TECHNICAL DATA

Material	Brass blank
Material thrust ring	Brass blank
Material moulded seal	EPDM
Material retaining claw	Stainless steel
Max. operating pressure	10 bar
Max. operating temperature ☀	120 °C
Max. operating temperature ❄	95 °C

AG1	AG2	B mm	H mm	GL1 mm	SW1 mm	SW2 mm	Item-No
R 1/2	1/2	39.5	45	16.8	27	36	2 755 1212 00
R 3/4	3/4	50	50	19	34	45	2 755 3434 00
R 1	1	61	56	22	41	55	2 755 1010 00
R 1 1/4	1 1/4	71	69	25	50	65	2 755 5454 00
R 1 1/2	1 1/2	85	80	25	60	80	2 755 6464 00



to the assembly instruction

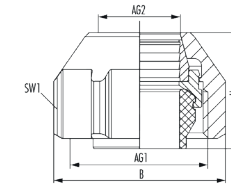


to the product video



# CONNECTION TECHNOLOGY

## Compression fittings SpeedFIX



### INFO

- // Set consists of 2 compression fittings
- // Preassembled and fixed
- // Clamping range 15mm
- // For copper, precision steel or (stainless) steel pipes with a wall thickness  $\geq 1$  mm (according to DIN EN 1057, DIN EN 10305-2 and DIN EN 10312)
- // Low tightening torque (easy mobility)
- // Suitable for district heating
- // EPDM sealing element
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass / Coated brass
Material moulded seal	EPDM
Material clamping ring	Brass blank
Max. operating pressure	10 bar
Max. operating temperature ☀	120 °C
Max. operating temperature ❄	95 °C

AG1	AG2	B mm	H mm	SW1 mm	Colour	Item-No
G 3/4	15 mm	33.2	20.5	30	nickel-plated	2 855 0015 01
G 3/4	15 mm	33.2	20.5	30	chrome	2 855 0015 02
G 3/4	15 mm	33.2	20.5	30	white	2 855 0015 90



to the assembly instruction

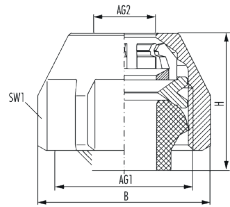


to the product video



# CONNECTION TECHNOLOGY

## Compression fittings MKV-M



### INFO

- // Multi-range compression fitting
- // Set consists of 2 compression fittings
- // For copper, precision steel or (stainless) steel pipes with a wall thickness  $\geq 1$  mm (according to DIN EN 1057, DIN EN 10305-2 and DIN EN 10312)
- // EPDM sealing element
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material clamping ring	Brass blank
Material moulded seal	EPDM
Tightening torque	40 Nm
Max. operating pressure	10 bar
Max. operating temperature	120 °C
Max. operating temperature	95 °C

AG1	AG2	B mm	H mm	SW1 mm	Item-No
G 3/4	10 – 12 mm	33.2	22	30	2 855 0001 01
G 3/4	13 – 15 mm	33.2	22	30	2 855 0002 01
G 3/4	16 – 18 mm	33.2	22	30	2 855 0003 01

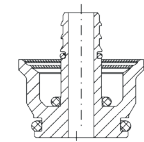
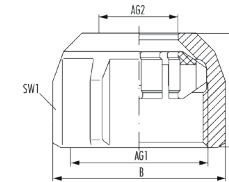


to the assembly instruction



# CONNECTION TECHNOLOGY

## Compression fittings MKV-K



### INFO

- // Set consists of 2 compression fittings
- // For plastic or metal composite pipes
- // With integrated plastic clamp insert
- // With support bushings
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material clamping ring	PA
Material moulded seal	EPDM
Material support sleeve	Brass blank
Tightening torque	40 Nm
Max. operating pressure	10 bar
Max. operating temperature	120 °C
Max. operating temperature	95 °C

AG1	AG2	B mm	H mm	SW1 mm	Item-No
G 3/4	12 x 2 mm	33.2	24.5	30	2 862 1202 01
G 3/4	14 x 2 mm	33.2	24.5	30	2 862 1402 01
G 3/4	16 x 1.8 mm	33.2	25	30	2 862 1618 01
G 3/4	16 x 2 mm	33.2	25	30	2 862 1602 01
G 3/4	16 x 2.25 mm	33.2	25	30	2 862 1622 01
G 3/4	17 x 2 mm	33.2	25	30	2 862 1702 01
G 3/4	17 x 2.5 mm	33.2	25	30	2 862 1725 01
G 3/4	18 x 2 mm	33.2	25	30	2 862 1802 01
G 3/4	20 x 2 mm	33.2	25	30	2 862 2002 01
G 3/4	20 x 2.5 mm	33.2	25	30	2 862 2025 01
G 3/4	20 x 2.9 mm	33.2	25	30	2 862 2029 01



to the assembly instruction





# The right solution for every pipe

Good news for all modernisers and renovators: HUMMEL offers compression fittings for all common pipe types on the market. Gone are the days when tradesmen had to search for suitable connection solutions.

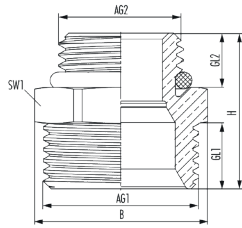
28 renovation sets offer solutions for more than 70 different plastic and metal composite pipes. These are almost all pipe types on the market. These sets are especially aimed at the needs in renovation. The old pipes can be pre-treated with a special calibration tool. This creates the conditions for a perfect and safe connection solution. One set consists of 10 fittings and one calibration tool.

## HUMMEL compression fittings make renovation easier:

- // For heating and drinking water systems
- // Simple, dirt-free installation without special tools
- // Space-saving installation especially for difficult environments
- // Suitable solutions also for special sizes



Set-No	AG1	AG2	Item-No
1	G 3/4	9.9 x 1.1 mm / 10 x 1.3 mm / 10.1 x 1.1 mm / 12 x 2.25 mm	2862 0001 01
2	G 3/4	11.6 x 1.8 mm / 12 x 1.8 mm / 12 x 2 mm / 13 x 2.5 mm	2862 0002 01
3	G 3/4	11.6 x 1.5 mm / 12 x 1.6 mm / 12 x 1.7 mm	2862 0003 01
4	G 3/4	14 x 2.6 mm	2862 0004 01
5	G 3/4	12 x 1.4 mm / 12 x 1.5 mm	2862 0005 01
6	G 3/4	14 x 2.5 mm	2862 0006 01
7	G 3/4	12 x 1.1 mm / 12 x 1.2 mm / 12 x 1.25 mm / 12 x 1.3 mm	2862 0007 01
8	G 3/4	14 x 2.25 mm	2862 0008 01
9	G 3/4	15 x 2.6 mm / 16 x 3.3 mm	2862 0009 01
10	G 3/4	12 x 1 mm	2862 0010 01
11	G 3/4	13 x 1.5 mm / 14 x 2 mm	2862 0011 01
12	G 3/4	15 x 2.5 mm	2862 0012 01
13	G 3/4	14 x 1.6 mm / 14 x 1.75 mm	2862 0013 01
14	G 3/4	16 x 2.7 mm / 16 x 2.75 mm	2862 0014 01
15	G 3/4	14 x 1.5 mm	2862 0015 01
16	G 3/4	15 x 2.0 mm / 16.2 x 2.6 mm	2862 0016 01
17	G 3/4	15 x 1.8 mm / 15.5 x 2 mm / 16 x 2.2 mm / 16 x 2.25 mm / 17 x 2.75 mm / 17 x 2.8 mm	2862 0017 01
18	G 3/4	14 x 1 mm	2862 0018 01
19	G 3/4	15 x 1.5 mm / 15.6 x 1.8 mm / 16 x 2 mm / 16.2 x 2.1 mm / 16.7 x 2.4 mm / 17 x 2.5 mm	2862 0019 01
20	G 3/4	15 x 1.2 mm / 16 x 1.75 mm / 16 x 1.8 mm / 17 x 2.2 mm	2862 0020 01
21	G 3/4	18 x 2.75 mm	2862 0021 01
22	G 3/4	15 x 1 mm / 16 x 1.5 mm / 17 x 2 mm	2862 0022 01
23	G 3/4	18 x 2.5 mm	2862 0023 01
24	G 3/4	18 x 2 mm / 20 x 2.9 mm	2862 0024 01
25	G 3/4	18 x 1.75 mm / 20 x 2.8 mm	2862 0025 01
26	G 3/4	18 x 1.5 mm / 19 x 2 mm / 20 x 2.5 mm / 20.2 x 2.6 mm	2862 0026 01
27	G 3/4	18 x 1.25 mm / 20 x 2.25 mm / 20 x 2.3 mm	2862 0027 01
28	G 3/4	18 x 1 mm / 18 x 1.2 mm / 20 x 2 mm	2862 0028 01



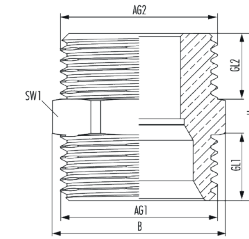
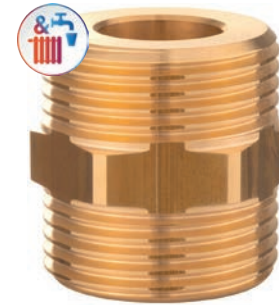
### INFO

- // For compression fittings
- // For manifolds and fittings
- // O-ring sealing
- // Flush-mounted use according to DIN
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass / Brass blank
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C
Max. operating temperature	95 °C

AG1	AG2	L mm	B mm	H mm	GL1 mm	GL2 mm	SW1 mm	Material	Item-No
G 3/4	G 1/2	29	29	26	11	9	26	Brass blank	2 554 1234 00
G 3/4	G 1/2	29	29	26	11	9	26	Nickel-plated brass	2 554 1234 01



### INFO

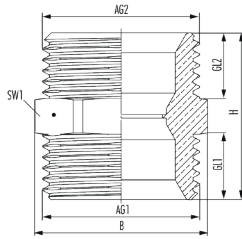
- // For compression fittings
- // For manifolds and fittings
- // Transition of pressing systems
- // Flush-mounted use according to DIN
- // Eurocone compatible

### TECHNICAL DATA

Material	Brass blank
Max. operating pressure	10 bar
Max. operating temperature	120 °C
Max. operating temperature	95 °C

AG1	AG2	L mm	B mm	H mm	GL1 mm	GL2 mm	SW1 mm	Item-No
G 3/4	G 3/4	29	29	28	11	11	26	2 554 3434 00

## Coupling nipple



### INFO

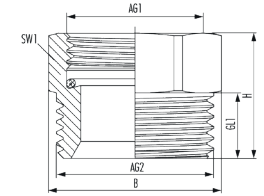
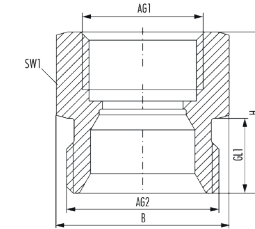
- // For compression fittings
- // Connecting pipe systems
- // Flush-mounted use according to DIN
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass / Brass blank
Max. operating pressure	10 bar
Max. operating temperature	120 °C
Max. operating temperature	95 °C

AG1	AG2	L mm	B mm	H mm	GL1 mm	GL2 mm	SW1 mm	Material	Item-No
G 3/4	G 3/4	29	29	28	11	11	26	Brass blank	2 253 3434 00
G 3/4	G 3/4	29	29	28	11	11	26	Nickel-plated brass	2 253 3434 01

## Reductions with internal thread



left: 2 254 1244 01 | right: 2 254 5834 01

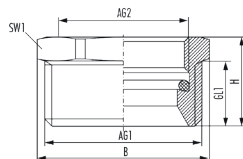
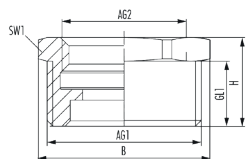
### INFO

- // For compression fittings
- // Female thread with seal
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	Vulcanised fibre / EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	B mm	H mm	GL1 mm	SW1 mm	Item-No
G 1/2	G 3/4	30	28	13	27	2 254 1244 01
G 5/8	G 3/4	29	21	11	26	2 254 5834 01



left: 2 549 3412 01 | right: 2 554 2234 01

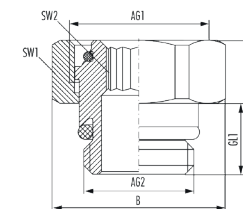
### INFO

- // Compact transition for radiator fittings
- // Including sealing
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	B mm	H mm	GL1 mm	SW1 mm	Item-No
G 3/4	M22 x 1.5	29	15	11	26	2 554 2234 01
G 3/4	G 1/2	29	15	11	26	2 549 3412 01



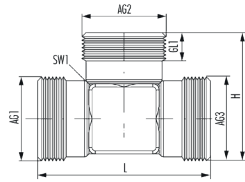
### INFO

- // For manifolds and fittings
- // Male thread with o-ring seal
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C



AG1	AG2	L mm	B mm	H mm	GL1 mm	SW1 mm	SW2 mm	Item-No
G 3/4	G 1/2	33.5	33.5	25.5	9	30	12	2 908 3412 01



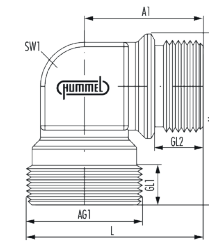
### INFO

- // For compression fittings
- // Flush-mounted use according to DIN
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass / Brass blank
Max. operating pressure	10 bar
Max. operating temperature 	120 °C
Max. operating temperature 	95 °C


AG1	AG2	AG3	L mm	B mm	GL1 mm	SW1 mm	Material	Item-No
G 3/4	G 3/4	G 3/4	54	26	9	22	Brass blank	2.253.3495.00
G 3/4	G 3/4	G 3/4	54	26	9	22	Nickel-plated brass	2.253.3495.01



### INFO

- // For compression fittings
- // Eurocone compatible

### TECHNICAL DATA

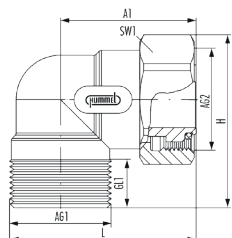
Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature 	120 °C

AG1	AG2	A1 mm	L mm	B mm	H mm	GL1 mm	GL2 mm	SW1 mm	Item-No
G 1/2	G 3/4	27	40	26.4	40	9	9	22	2.253.3492.01
G 3/4	G 3/4	27	40	26.4	40	9	9	22	2.253.3490.01



## CONNECTION TECHNOLOGY

### Coupling angle with union nut



#### INFO

- // For compression fittings
- // Eurocone compatible

#### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	A1 mm	L mm	B mm	H mm	GL1 mm	SW1 mm	Item-No
G 3/4	G 3/4	35.1	48	26	41	12.5	30	2 552 1234 01

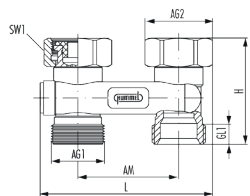
# RADIATOR CONNECTIONS

- // Diverters
- // Special connections
- // Flexible connections
- // Connection fittings
- // Thermostatic valves
- // Threaded-joint radiator returns
- // Thermostatic heads
- // Design fittings



# RADIATOR CONNECTIONS

## Diverter straight type



### INFO

- // Version cone: 2 cone inserts
- // Version nipple: 2 x (G 1/2 x G 3/4)
- // For two-pipe systems
- // For interchanged flow and return pipes
- // Without shutoff
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	AM mm	L mm	H mm	GL1 mm	SW1 mm	Version	Item-No
G 3/4	G 3/4	50	85.5	51	10	30	Cone	2.257.0002.01
G 3/4	G 3/4	50	85.5	51	10	30	Nipple	2.257.0003.01



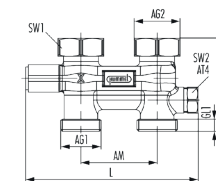
to the assembly instruction



to the product video

# RADIATOR CONNECTIONS

## Diverter straight type lockable (one/two pipe)



### INFO

- // Version cone: 2 cone inserts
- // Version nipple: 2 x (G 1/2 x G 3/4)
- // For one-pipe and two-pipe systems
- // For interchanged flow and return pipes
- // With lateral spindle shut-off
- // With lateral bypass spindle
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	AM mm	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Version	Item-No
G 3/4	G 3/4	50	112.9	61.1	8	30	17	Cone	2.257.0023.01
G 3/4	G 3/4	50	112.9	61.1	8	30	17	Nipple	2.257.0024.01



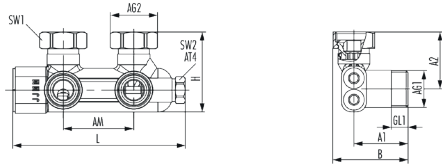
to the assembly instruction



to the product video

# RADIATOR CONNECTIONS

## Diverters corner type lockable (one/two pipe)



### INFO

- // Version cone: 2 cone inserts
- // Version nipple: 2 x (G 1/2 x G 3/4)
- // For one-pipe and two-pipe systems
- // For interchanged flow and return pipes
- // With lateral spindle shut-off
- // With lateral bypass spindle
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	AM mm	A1 mm	A2 mm	AT4	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Version	Item-No
G 3/4	G 3/4	50	39	35.4	Bypass	122.1	56.6	11	30	17	Cone	2.257.0026.01
G 3/4	G 3/4	50	39	35.4	Bypass	122.1	56.6	11	30	17	Nipple	2.257.0027.01



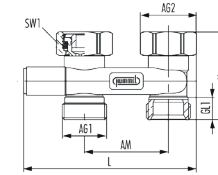
to the assembly instruction



to the product video

# RADIATOR CONNECTIONS

## Diverters straight type lockable



### INFO

- // Version cone: 2 cone inserts
- // Version nipple: 2 x (G 1/2 x G 3/4)
- // For two-pipe systems
- // For interchanged flow and return pipes
- // With lateral spindle shut-off
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	AM mm	L mm	H mm	GL1 mm	SW1 mm	Version	Item-No
G 3/4	G 3/4	50	103	51	10	30	Cone	2.257.0004.01
G 3/4	G 3/4	50	103	51	10	30	Nipple	2.257.0005.01



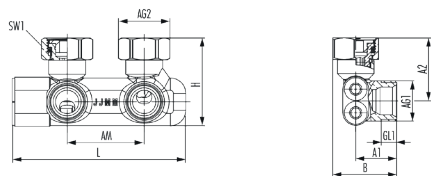
to the assembly instruction



to the product video

# RADIATOR CONNECTIONS

## Diverters corner type lockable



### INFO

- // Version cone: 2 cone inserts
- // Version nipple: 2 x (G 1/2 x G 3/4)
- // For two-pipe systems
- // For interchanged flow and return pipes
- // With lateral spindle shut-off
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	A1 mm	A2 mm	AM mm	L mm	H mm	GL1 mm	SW1 mm	Version	Item-No
G 3/4	G 3/4	27	40	50	112.7	53.5	10	30	Cone	2 257 0010 01
G 3/4	G 3/4	27	40	50	112.7	53.5	10	30	Nipple	2 257 0011 01



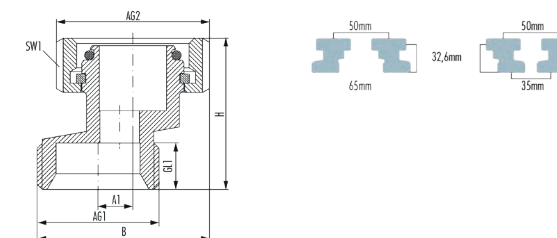
to the assembly instruction



to the product video

# RADIATOR CONNECTIONS

## Excenters for connection fittings



### INFO

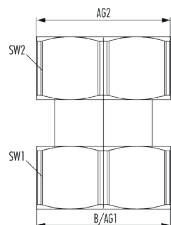
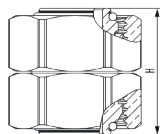
- // For the adjustment of axial pipe distances
- // Conical sealing
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	A1 mm	B mm	H mm	GL1 mm	SW1 mm	Item-No
G 1/2	G 3/4	7.5	33.5	32.6	12	30	2 556 3412 01
G 3/4	G 3/4	7.5	34	32.6	10	30	2 556 3434 01
M22 x 1.5	G 3/4	7.5	33.5	32.6	10	30	2 556 3422 01

## Cone adapter



### INFO

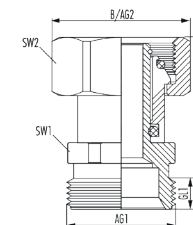
- // Connection between return screw fitting and valve radiator
- // Conical sealing
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	L mm	B mm	H mm	SW1 mm	SW2 mm	Item-No
G 3/4	G 3/4	33.5	33.5	32	30	30	2 155 3434 01

## Telescopic adapter



### INFO

- // Version cone & nipple: 1 cone insert & 1 x (G 1/2 x G 3/4)
- // Version cone: 1 cone insert
- // Version nipple: 1 x (G 1/2 x G 3/4)
- // For length compensation of valves and fittings
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	Lv mm	B mm	H mm	GL1 mm	SW1 mm	SW2 mm	Version	Item-No
G 3/4	G 3/4	37.1 – 53	33.5	53	10	24	30	-	2 559 3434 01
G 3/4	G 3/4	37.1 – 53	33.5	53	10	24	30	Nipple	2 559 3435 01
G 3/4	G 3/4	37.1 – 53	33.5	53	10	24	30	Cone	2 559 3436 01
G 3/4	G 3/4	37.1 – 53	33.5	53	10	24	30	Cone & nipple	2 859 3435 01

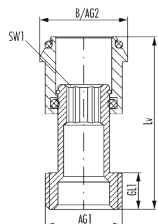


to the assembly instruction



# RADIATOR CONNECTIONS

## Telescopic connections



### INFO

- // To compensate for distances between valve and radiator
- // O-ring sealing

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

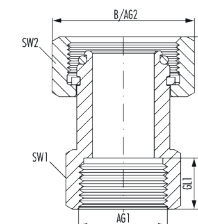
AG1	AG2	Lv mm	B mm	H mm	GL1 mm	SW1 mm	Item-No
G 3/8	1/2	31 – 47	19.8	47	10	5	2 559 3800 01
G 1/2	3/4	31 – 47	23.9	47	10	8	2 559 1200 01
G 3/4	1	31 – 47	29	47	10	10	2 559 3400 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Threaded pipe adapter



### INFO

- // Adapter with G 3/4 union nut
- // O-ring sealing
- // Eurocone compatible

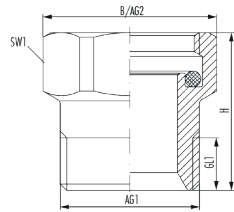
### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	L mm	B mm	H mm	GL1 mm	SW1 mm	SW2 mm	Item-No
G 3/8	G 3/4	33.5	33.5	40.55	9.8	24	30	2 559 3438 01
G 1/2	G 3/4	33.5	33.5	37.2	10	24	30	2 559 3412 01

# RADIATOR CONNECTIONS

## Extension piece



### INFO

- // Extension of fittings, valves and return fittings
- // For the adjustment of horizontal and vertical pipe distances
- // O-ring sealing
- // Eurocone compatible

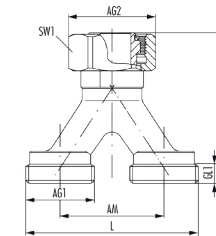
### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	L mm	B mm	H mm	GL1 mm	SW1 mm	Item-No
G 3/4	G 3/4	33	33	30	10	30	2.555.3434.01

# RADIATOR CONNECTIONS

## Y pieces



### INFO

- // Version nipple: 1 x (G 1/2 x G 3/4)
- // Small distributors for heating circuits, manifolds and control boxes
- // Eurocone compatible

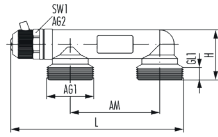
### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	AM mm	L mm	B mm	H mm	GL1 mm	SW1 mm	Version	Item-No
G 3/4	G 3/4	40	66	33.5	58	7.5	30	-	2.257.0008.01
G 3/4	G 3/4	40	66	33.5	58	7.55	30	Nipple	2.257.0009.01

# RADIATOR CONNECTIONS

## Mounting bridge



### INFO

- // To span the flow and return pipes
- // With HUMMEL air bleeder valve
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

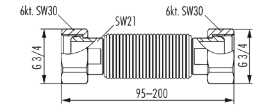
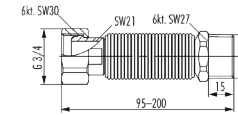
AG1	AG2	AM mm	L mm	H mm	GL1 mm	SW1 mm	Item-No
G 3/4	G 1/4	50	96.4	28.5	8.4	15	2 257 0001 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Flexible device connections



left: 2 823 3434 01 | right: 2 830 3434 01

### INFO

- // Union nut G 3/4
- // Stainless steel corrugated tube extensible
- // Flat sealing version
- // For the replacement of boilers, instantaneous water heaters, storage tanks and wall-mounted appliances

### TECHNICAL DATA

Material	Stainless steel
Material moulded seal	AFM
Material union nut	Nickel-plated brass
Max. operating pressure	6 bar
Max. operating temperature	95 °C

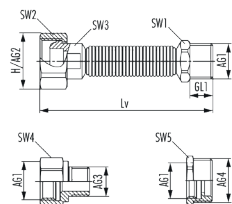
AG1	AG2	Lv mm	H mm	SW1 mm	SW2 mm	SW3 mm	Flow rate l/h	Item-No
R 3/4	G 3/4	95 – 200	33.5	27	30	21	2200	2 823 3434 01
G 3/4	G 3/4	95 – 200	33.5	30	30	21	2200	2 830 3434 01



to the product video

# RADIATOR CONNECTIONS

## Flexible radiator connections with reduction



### INFO

- // Stainless steel corrugated tube extensible
- // Incl. Reduction G 1/2 x G 3/8 and G 3/4 x G 1/2
- // Eurocone compatible

### TECHNICAL DATA

Material	Stainless steel
Material moulded seal	EPDM
Material reduction	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	120 °C

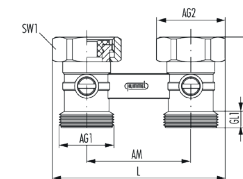
AG1	AG2	AG3	AG4	Lv mm	H mm	SW1 mm	SW2 mm	SW3 mm	Item-No
G 1/2	G 3/4	G 3/8	G 3/4	65 – 95	33.5	22	30	19	2 826 1238 341
G 1/2	G 3/4	G 3/8	G 3/4	93 – 143	33.5	22	30	19	2 827 1238 341
G 1/2	G 3/4	G 3/8	G 3/4	115 – 210	33.5	22	30	19	2 828 1238 341
G 1/2	G 3/4	G 3/8	G 3/4	190 – 410	33.5	22	30	19	2 829 1238 341



to the product video

# RADIATOR CONNECTIONS

## Two-pipe terminal blocks straight type



### INFO

- // Version cone: 2 cone inserts
- // Version nipple: 2 x (G 1/2 x G 3/4)
- // For two-pipe systems
- // Compact design
- // Flat sealing version
- // Ball shut-off valve
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

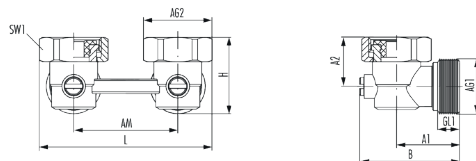
AG1	AG2	AM mm	L mm	H mm	GL1 mm	SW1 mm	Version	Item-No
G 3/4	G 3/4	50	83.5	43.5	8	30	Nipple	2 249 3435 01
G 3/4	G 3/4	50	83.5	43.5	8	30	Cone	2 249 3436 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Two-pipe terminal blocks corner type



### INFO

- // Version cone: 2 cone inserts
- // Version nipple: 2 x (G 1/2 x G 3/4)
- // For two-pipe systems
- // Compact design
- // Flat sealing version
- // Ball shut-off valve
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

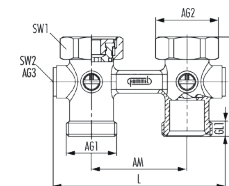
AG1	AG2	A1 mm	AM mm	L mm	H mm	GL1 mm	SW1 mm	Version	Item-No
G 3/4	G 3/4	30	50	83.5	35.6	10.5	30	Nipple	2 249 8435 01
G 3/4	G 3/4	30	50	83.5	35.6	10.5	30	Cone	2 249 8436 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Two-pipe terminal blocks straight type drainable



### INFO

- // Version cone: 2 cone inserts
- // Version nipple: 2 x (G 1/2 x G 3/4)
- // For two-pipe systems
- // Compact design
- // Flat sealing version
- // Ball shut-off valve
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	AG3	AM mm	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Version	Item-No
G 3/4	G 3/4	G 1/4	50	90.2	52.1	8	30	6	Nipple	2 218 3435 01
G 3/4	G 3/4	G 1/4	50	90.2	52.1	8	30	6	Cone	2 218 3436 01

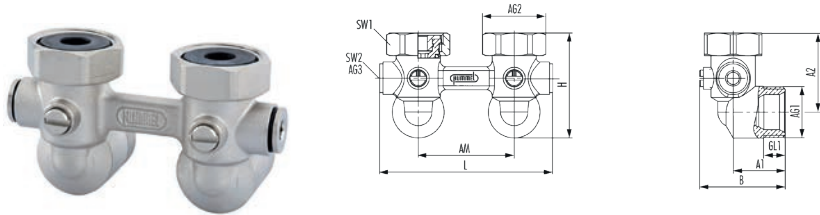


to the assembly instruction



# RADIATOR CONNECTIONS

## Two-pipe terminal blocks corner type drainable



### INFO

- // Version cone: 2 cone inserts
- // Version nipple: 2 x (G 1/2 x G 3/4)
- // For two-pipe systems
- // Compact design
- // Flat sealing version
- // Ball shut-off valve
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	AG3	AM mm	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Version	Item-No
G 3/4	G 3/4	G 1/4	50	90.2	53.2	11	30	6	Nipple	2 218 8435 01
G 3/4	G 3/4	G 1/4	50	90.2	53.2	11	30	6	Cone	2 218 8436 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Two-pipe terminal blocks straight type (quadruple connection)



### INFO

- // Version cone: 2 cone inserts
- // Version nipple: 2 x (G 1/2 x G 3/4)
- // For two-pipe systems
- // Compact design
- // Flat sealing version
- // Ball shut-off valve
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

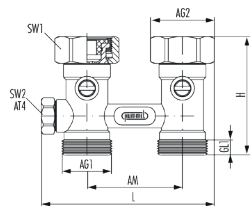
AG1	AG2	A1 mm	AM mm	L mm	H mm	GL1 mm	SW1 mm	Version	Item-No
G 3/4	G 3/4	40	50	161	70.1	8	30	Cone	2 257 0021 01
G 3/4	G 3/4	40	50	161	70.1	8	30	Nipple	2 257 0022 01



to the assembly instruction

# RADIATOR CONNECTIONS

## One-pipe terminal blocks straight type



### INFO

- // Version cone: 2 cone inserts
- // Version nipple: 2 x (G 1/2 x G 3/4)
- // For single pipe systems
- // Compact design
- // With lateral bypass spindle
- // Flat sealing version
- // Ball shut-off valve
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

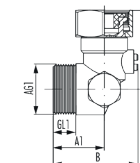
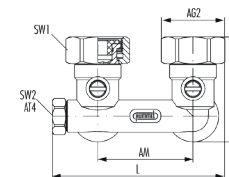
AG1	AG2	B mm	H mm	GL1 mm	SW1 mm	Version	Item-No
G 3/4	G 3/4	33.5	62.1	8	30	Nipple	2 248 3435 01
G 3/4	G 3/4	33.5	62.1	8	30	Cone	2 248 3436 01



to the assembly instruction

# RADIATOR CONNECTIONS

## One-pipe terminal blocks corner type



### INFO

- // Version cone: 2 cone inserts
- // Version nipple: 2 x (G 1/2 x G 3/4)
- // For single pipe systems
- // Compact design
- // With lateral bypass spindle
- // Flat sealing version
- // Ball shut-off valve
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

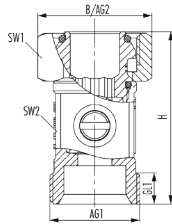
AG1	AG2	A1 mm	A2 mm	B mm	H mm	GL1 mm	SW1 mm	Version	Item-No
G 3/4	G 3/4	27	41.6	43.8	53.2	12	30	Nipple	2 248 8435 01
G 3/4	G 3/4	27	41.6	43.8	53.2	12	30	Cone	2 248 8436 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Single-connection fittings straight type



### INFO

- // Version nipple: 1 x (G 1/2 x G 3/4)
- // For two-pipe systems
- // Compact design
- // Conical sealing
- // Ball shut-off valve
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

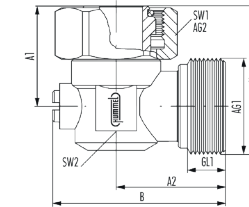
AG1	AG2	L mm	B mm	H mm	GL1 mm	SW1 mm	SW2 mm	Version	Item-No
G 3/4	G 3/4	33.5	33.5	50.6	9.2	30	23	-	2.256.3434.01
G 3/4	G 3/4	33.5	33.5	50.6	9.2	30	23	Nipple	2.256.3435.01



to the assembly instruction

# RADIATOR CONNECTIONS

## Single-connection fittings corner type



### INFO

- // Version nipple: 1 x (G 1/2 x G 3/4)
- // For two-pipe systems
- // Compact design
- // Conical sealing
- // Ball shut-off valve
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

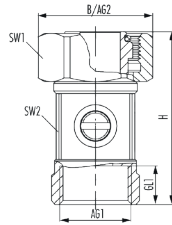
AG1	AG2	A1 mm	A2 mm	L mm	B mm	H mm	GL1 mm	SW1 mm	SW2 mm	Version	Item-No
G 3/4	G 3/4	27.6	30.4	33.5	46.8	40.7	10.4	30	23	-	2.256.8434.01
G 3/4	G 3/4	27.6	30.4	33.5	46.8	40.7	10.4	30	23	Nipple	2.256.8435.01



to the assembly instruction

# RADIATOR CONNECTIONS

## Single-connection fittings straight type with internal thread



### INFO

- // Version nipple: 1 x (G 1/2 x G 3/4)
- // For two-pipe systems
- // Compact design
- // Conical sealing
- // Ball shut-off valve
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

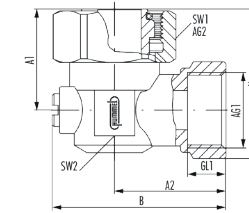
AG1	AG2	L mm	B mm	H mm	GL1 mm	SW1 mm	SW2 mm	Version	Item-No
G 1/2	G 3/4	33.5	33.5	50.6	10	30	23	-	2.256.1234.01
G 1/2	G 3/4	33.5	33.5	50.6	10	30	23	Nipple	2.256.1235.01



to the assembly instruction

# RADIATOR CONNECTIONS

## Single-connection fittings corner type with internal thread



### INFO

- // Version nipple: 1 x (G 1/2 x G 3/4)
- // For two-pipe systems
- // Compact design
- // Conical sealing
- // Ball shut-off valve
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	120 °C

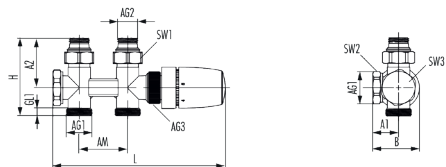
AG1	AG2	A1 mm	A2 mm	L mm	B mm	H mm	GL1 mm	SW1 mm	SW2 mm	Version	Item-No
G 1/2	G 3/4	27.6	30.4	33.5	46.8	40.4	9	30	23	-	2.256.8412.01
G 1/2	G 3/4	27.6	30.4	33.5	46.8	40.4	9	30	23	Nipple	2.256.8413.01



to the assembly instruction

# RADIATOR CONNECTIONS

## Quadro valve terminal blocks



### INFO

- // Version nipple: 2 x (G 1/2 x G 3/4)
- // Valve manifold with thermostatic head and cover cap
- // For two-pipe systems in corner or through form
- // For pipe connection to the wall or perpendicular to the floor
- // The thermostatic head can be mounted on the left or right side
- // Thermostatic valve bonnet and shut-off bonnet can be exchanged
- // The flow must always be connected on the side of the thermostat sensor

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	90 °C
Thermostat connection	M30 x 1.5

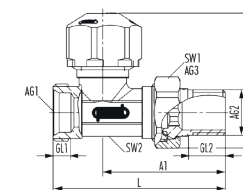
AG1	AG2	AG3	AM mm	A1 mm	A2 mm	L mm	H mm	Colour	Version	Item-No
G 3/4	G 1/2	M30 x 1,5	50	26	51	178	80	chrome	Nipple	2 219 8412 02
G 3/4	G 1/2	M30 x 1,5	50	26	51	178	80	white	Nipple	2 219 8412 90
G 3/4	G 1/2	M30 x 1,5	50	26	51	178	80	black	Nipple	2 219 8412 05



to the assembly instruction

# RADIATOR CONNECTIONS

## Thermostatic valve straight type (Eurocone)



### INFO

- // Single connection
- // With pre-adjustable thermostatic valve insert and protective cap
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	90 °C
Thermostat connection	M30 x 1.5

AG1	AG2	AG3	A1 mm	L mm	H mm	GL1 mm	GL2 mm	SW1 mm	SW2 mm	SW3 mm	Item-No
G 3/4	G 1/2	G 3/4	56.7	80	54	7.5	15	30	22	22	2 914 1234 01

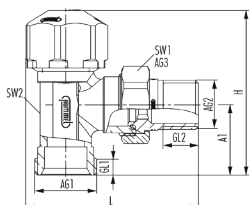


to the assembly instruction



# RADIATOR CONNECTIONS

## Thermostatic valve corner type (Eurocone)



### INFO

- // Single connection
- // With pre-adjustable thermostatic valve insert and protective cap
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	90 °C
Thermostat connection	M30 x 1.5

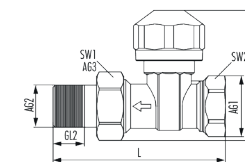
AG1	AG2	AG3	A1 mm	L mm	H mm	GL1 mm	GL2 mm	SW1 mm	SW2 mm	SW3 mm	Item-No
G 3/4	G 1/2	G 3/4	30	73.2	65.5	7.5	15	30	22	22	2 904 1234 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Thermostatic valves straight type (internal thread)



### INFO

- // Single connection
- // With pre-adjustable thermostatic valve insert and protective cap
- // Internal thread

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	90 °C
Thermostat connection	M30 x 1.5

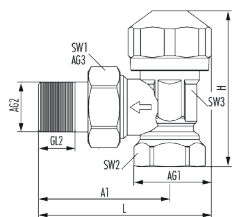
AG1	AG2	AG3	L mm	H mm	GL2 mm	SW1 mm	SW2 mm	SW3 mm	Item-No
G 3/8	G 3/8	G 5/8	75	57.5	11	27	22	22	2 914 3800 01
G 1/2	G 1/2	G 3/4	84	59	15	30	27	22	2 914 1200 01
G 3/4	G 3/4	G 1	96	71	16	38	32	22	2 914 3400 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Thermostatic valves corner type (internal thread)



### INFO

- // Single connection
- // With pre-adjustable thermostatic valve insert and protective cap
- // Internal thread

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	90 °C
Thermostat connection	M30 x 1.5

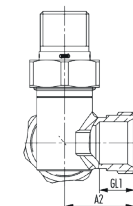
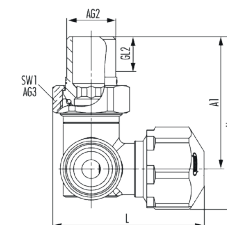
AG1	AG2	AG3	A1 mm	L mm	H mm	GL2 mm	SW1 mm	SW2 mm	SW3 mm	Item-No
G 3/8	G 3/8	G 5/8	20	65.5	55.5	11	27	22	22	2 904 3800 01
G 1/2	G 1/2	G 3/4	25	69.5	60.5	15	30	27	22	2 904 1200 01
G 3/4	G 3/4	G 1	29	76.5	78	16	38	32	22	2 904 3400 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Thermostatic valve angle corner type right



### INFO

- // Single connection
- // With pre-adjustable thermostatic valve insert and protective cap
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	90 °C
Thermostat connection	M30 x 1.5

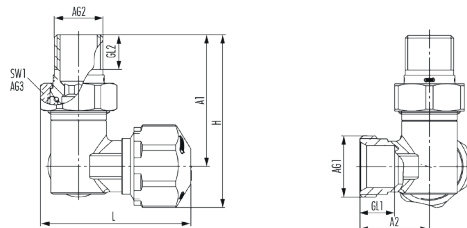
AG1	AG2	AG3	A1 mm	L mm	H mm	GL1 mm	GL2 mm	SW1 mm	Item-No
G 3/4	G 1/2	G 3/4	56.7	53.5	73.2	7.5	15	30	2 922 1234 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Thermostatic valve angle corner type left



### INFO

- // Single connection
- // With pre-adjustable thermostatic valve insert and protective cap
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	90 °C
Thermostat connection	M30 x 1.5

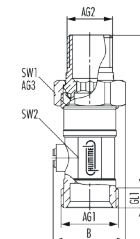
AG1	AG2	AG3	A1 mm	L mm	H mm	GL1 mm	GL2 mm	SW1 mm	Item-No
G 3/4	G 1/2	G 3/4	56.7	53.5	73.2	7.5	15	30	2 923 1234 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Threaded-joint radiator return straight type (Eurocone)



### INFO

- // Single connection
- // Ball shut-off valve
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	90 °C

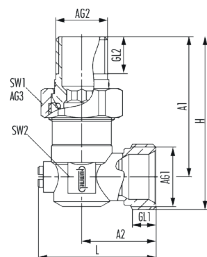
AG1	AG2	AG3	L mm	B mm	H mm	GL1 mm	GL2 mm	SW1 mm	SW2 mm	Item-No
G 3/4	G 1/2	G 3/4	33.5	33.5	79.7	9.2	15	30	23	2 920 1234 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Threaded-joint radiator return corner type (Eurocone)



### INFO

- // Single connection
- // Ball shut-off valve
- // Eurocone compatible

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	90 °C

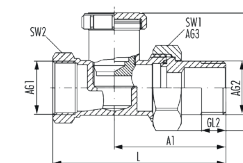
AG1	AG2	AG3	A1 mm	A2 mm	L mm	B mm	H mm	GL1 mm	GL2 mm	SW1 mm	SW2 mm	Item-No
G 3/4	G 1/2	G 3/4	56.7	30	46.8	33.5	69.8	10.5	15	30	23	2 925 1234 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Threaded-joint radiator returns straight type (internal thread)



### INFO

- // Single connection
- // Spindle shut-off
- // Adjustable rate of flow
- // Internal thread

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	90 °C

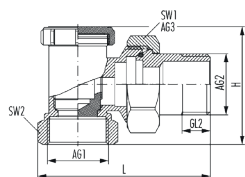
AG1	AG2	AG3	A1 mm	L mm	B mm	H mm	GL2 mm	SW1 mm	SW2 mm	Item-No
G 3/8	G 3/8	G 5/8	55	75	32	43.5	11	25	22	2 915 3800 01
G 1/2	G 1/2	G 3/4	60	84	33.5	45	15	30	26	2 915 1200 01
G 3/4	G 3/4	G 1	62	95	44	57	16	37	30	2 915 3400 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Threaded-joint radiator returns corner type (internal thread)



### INFO

- // Single connection
- // Spindle shut-off
- // Adjustable rate of flow
- // Internal thread

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	90 °C

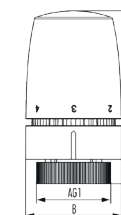
AG1	AG2	AG3	L mm	B mm	H mm	GL2 mm	SW1 mm	SW2 mm	Item-No
G 3/8	G 3/8	G 5/8	64.5	32	41.5	11	25	22	2 905 3800 01
G 1/2	G 1/2	G 3/4	69.5	33.5	46.5	15	30	26	2 905 1200 01
G 3/4	G 3/4	G 1	82	44	64	16	37	30	2 905 3400 01



to the assembly instruction

# RADIATOR CONNECTIONS

## Thermostatic heads M30 x 1,5



### INFO

- // Solids sensor
- // Zero setting
- // Temperature limit

### TECHNICAL DATA

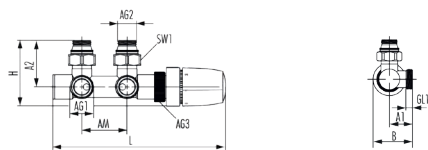
Material thermostatic head	ABS / PA
Material union nut	Nickel-plated brass / Coated brass
Frost protection device	Yes
Position 0	Radiator closed
Position 1-5	limited at respective temperature setting
Control range	8 – 28 °C
max. Sensor temperature	50 °C

AG1	L mm	B mm	Colour	Item-No
M30 x 1.5	76	42.5	chrome	2 907 0001 02
M30 x 1.5	76	42.5	white	2 907 0001 90
M30 x 1,5	76	42,5	black	2 907 0001 05



# RADIATOR CONNECTIONS

## Set 1 corner type



### INFO

- // Design fitting with thermostatic head
- // For two-pipe systems
- // For pipe connection to the wall
- // Valve presettable
- // Thermostatic valve bonnet and shut-off bonnet can be exchanged
- // The thermostatic head can be mounted on the left or right side
- // The flow must always be connected on the side of the thermostat sensor

### TECHNICAL DATA

Material	Brass white / Brass chrome
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	90 °C

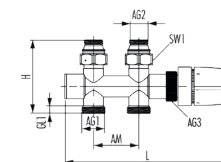
AG1	AG2	AG3	AM mm	A1 mm	A2 mm	L mm	H mm	SW1 mm	Colour	Item-No
G 3/4	G 1/2	M30 x 1.5	50	30	51.5	191	72.8	30	chrome	2 810 0381 02
G 3/4	G 1/2	M30 x 1.5	50	30	51.5	191	72.8	30	white	2 810 0381 90



to the assembly instruction

# RADIATOR CONNECTIONS

## Set 2 straight type



### INFO

- // Design fitting with thermostatic head
- // For two-pipe systems
- // For pipe connection perpendicular to the floor
- // Valve presettable
- // Thermostatic valve bonnet and shut-off bonnet can be exchanged
- // The thermostatic head can be mounted on the left or right side
- // The flow must always be connected on the side of the thermostat sensor

### TECHNICAL DATA

Material	Brass white / Brass chrome
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	90 °C

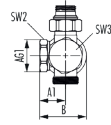
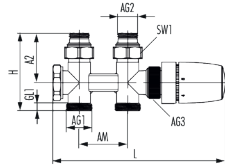
AG1	AG2	AG3	AM mm	L mm	H mm	GL1 mm	SW1 mm	Colour	Item-No
G 3/4	G 1/2	M30 x 1.5	50	191	81.4	8.2	30	chrome	2 810 0382 02
G 3/4	G 1/2	M30 x 1.5	50	191	81.4	8.2	30	white	2 810 0382 90



to the assembly instruction

# RADIATOR CONNECTIONS

## Quadro valve terminal blocks



### INFO

- // Version nipple: 2 x (G 1/2 x G 3/4)
- // Valve manifold with thermostatic head and cover cap
- // For two-pipe systems in corner or through form
- // For pipe connection to the wall or perpendicular to the floor
- // The thermostatic head can be mounted on the left or right side
- // Thermostatic valve bonnet and shut-off bonnet can be exchanged
- // The flow must always be connected on the side of the thermostat sensor

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM / Teflon
Max. operating pressure	10 bar
Max. operating temperature	90 °C
Thermostat connection	M30 x 1.5

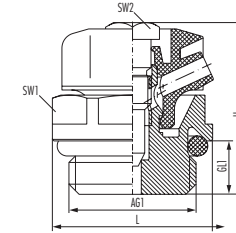
AG1	AG2	AG3	AM mm	A1 mm	A2 mm	L mm	H mm	Colour	Version	Item-No
G 3/4	G 1/2	M30 x 1.5	50	26	51	178	80	chrome	Nipple	2 219 841 2 02
G 3/4	G 1/2	M30 x 1.5	50	26	51	178	80	white	Nipple	2 219 841 2 90
G 3/4	G 1/2	M30 x 1,5	50	26	51	178	80	black	Nipple	2 219 841 2 05



to the assembly instruction

# RADIATOR CONNECTIONS

## Air bleeder valves turnable with o-ring G 1/2



### INFO

- // Rotatable vent 360°
- // Venting hose attachable
- // Key control via SW5
- // O-ring sealing

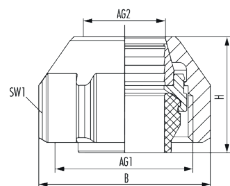
### TECHNICAL DATA

Material	Brass white / Brass chrome
Max. operating pressure	10 bar
Max. operating temperature	90 °C

AG1	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Colour	Item-No.
G 1/2	24	20	6,5	22	5	chrome	2 536 1201 02

# RADIATOR CONNECTIONS

## Compression fittings SpeedFIX



### INFO

- // Preassembled and fixed
- // Clamping range 15mm
- // For copper, precision steel or (stainless) steel pipes with a wall thickness  $\geq 1$  mm (according to DIN EN 1057, DIN EN 10305-2 and DIN EN 10312)
- // Low tightening torque (easy mobility)
- // Suitable for district heating
- // EPDM sealing element
- // Eurocone compatible

### TECHNICAL DATA

Material	Coated brass
Material moulded seal	EPDM
Material clamping ring	Brass blank
Max. operating pressure	10 bar
Max. operating temperature	120 °C
Max. operating temperature	95 °C

AG1	AG2	B mm	H mm	SW1 mm	Colour	Item-No
G 3/4	15 mm	33.2	20.5	30	chrome	2 855 0015 02
G 3/4	15 mm	33.2	20.5	30	white	2 855 0015 90



to the assembly instruction

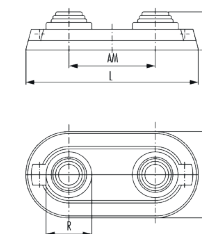


to the product video



# RADIATOR CONNECTIONS

## Double collars



### INFO

- // For double connection fittings
- // Can be cut for different pipe diameters
- // Flat design

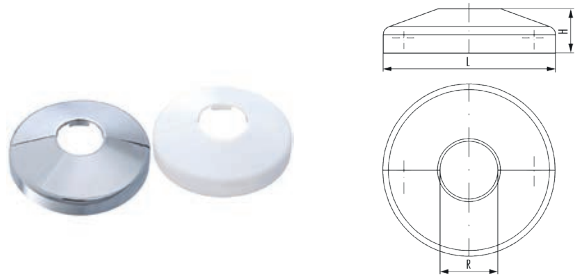
### TECHNICAL DATA

Material	ABS
Collar	Double

AM mm	L mm	B mm	H mm	R mm	Colour	Item-No
50	100	50	22	12, 15, 18, 20	chrome	2 612 5000 02
50	100	50	22	12, 15, 18, 20	white	2 612 5000 90

# RADIATOR CONNECTIONS

## Single collars



### INFO

- // For single connection fittings
- // Flat design

### TECHNICAL DATA

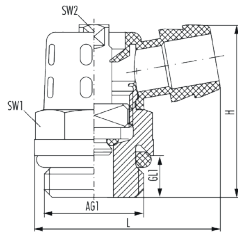
Material	ABS
Collar	Single

L mm	B mm	H mm	R mm	Colour	Item-No
45	45	11,6	15	chrome	2 613 5000 02
45	45	11,6	15	white	2 613 5000 90

# OUTFLOW

- // Outflow valves
- // FE valves
- // SFE valves
- // Filling and draining plug
- // Filling and emptying tool





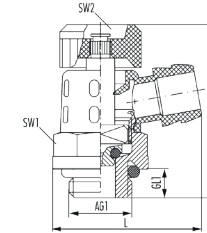
### INFO

- // With axial-rotating water output 360°
- // Key control via SW5
- // O-ring sealing

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar / 16 bar (with closed spindle and a max. operating temperature of 100°C)
Max. operating temperature	130 °C

AG1	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Color	Item-No
G 3/8	32	29	7	17	5	white	2 540 3800 01
G 3/8	32	29	7	17	5	black	2 540 3805 01
G 1/2	32	29	7	19	5	white	2 531 1200 01
G 1/2	32	29	7	19	5	black	2 531 1205 01



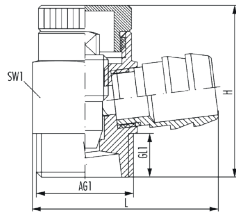
### INFO

- // With axial-rotating water output 360°
- // Handwheel control
- // O-ring sealing

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar / 16 bar (with closed spindle and a max. operating temperature of 100°C)
Max. operating temperature	130 °C

AG1	L mm	H mm	GL1 mm	SW1 mm	Item-No
G 1/4	31	36.3	6	17	2 540 1400 01
G 3/8	32	36.3	7	17	2 540 3801 01



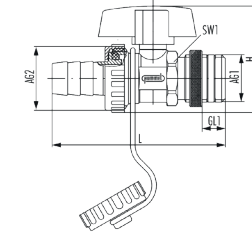
### INFO

- // With fixed water outlet
- // With closure cap and knurled thread
- // Concealed spindle
- // Key control via SW5

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	130 °C

AG1	L mm	H mm	GL1 mm	SW1 mm	Item-No
G 3/8	32	29.5	12.5	18	2 421 3800 01



### INFO

- // Fillable and drainable ball valve
- // For heat generation, storage tanks and pipe systems
- // With hose nozzle, protective cap, strap and lock nut
- // Self-sealing via PTFE sealing ring

### TECHNICAL DATA

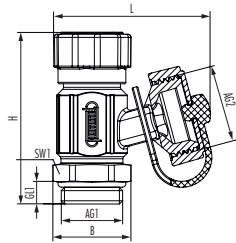
Material	Nickel-plated brass
Material Handles	Zinc Die Cast
Max. operating pressure	10 bar
Max. operating temperature	90 °C

AG1	L mm	H mm	GL1 mm	SW1 mm	Item-No
G 3/8	72	46.8	15	21.5	2 947 3800 01
G 1/2	76	46.8	15	21.5	2 948 1200 01
G 3/4	72	46.8	10	27	2 947 3400 01



to the assembly instruction





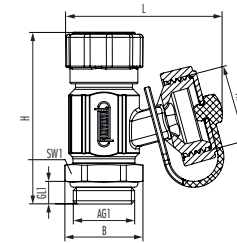
### INFO

- // for heating circuit underfloor manifolds, heat generators, storage tanks and pipe systems
- // for flushing, filling, draining and venting
- // Outlet and test connection airtight up to 4 bar / watertight up to 6 bar
- // Suitable for electrical flushing/pressure testing units
- // Outlet can be rotated 360° with anti-twist protection and Euro cone
- // Threaded connection with O-ring seal

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	90 °C

AG1	AG2	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Item-No
G 1/2	G 3/4	53,4	58,3	7,5	24	5	2 705 1200 01
G 3/4	G 3/4	56,2	61,3	7,3	24	5	2 705 3400 01
G 1	G 3/4	60,2	64,8	10	24	5	2 705 1000 01



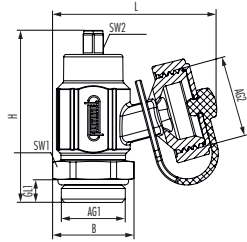
### INFO

- // for drinking water distributors, fresh water stations, storage tanks and pipe systems
- // UBA-compliant in accordance with the assessment basis for drinking water
- // For flushing, filling, draining and venting
- // Outlet and test connection airtight up to 4 bar / watertight up to 6 bar
- // Suitable for electrical flushing/pressure testing units
- // Outlet can be rotated 360° with anti-twist protection and Euro cone
- // Threaded connection with O-ring

### TECHNICAL DATA

Material	Brass blank
Max. operating pressure	10 bar
Max. operating temperature	90 °C

AG1	AG2	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Item-No
G 1/4	G 3/4	53,2	58,3	6	22	5	2 705 1400 00
G 3/8	G 3/4	53,2	58,3	7,5	22	5	2 705 3800 00
G 1/2	G 3/4	53,4	58,3	7,5	24	5	2 705 1200 00



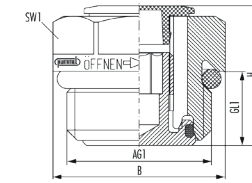
### INFO

- // for drinking water distributors, fresh water stations, storage tanks and pipe systems
- // UBA-compliant in accordance with the assessment basis for drinking water
- // For flushing, filling, draining and venting
- // Outlet and test connection airtight up to 4 bar / watertight up to 6 bar
- // Suitable for electrical flushing/pressure testing units
- // Outlet can be rotated 360° with anti-twist protection and Euro cone
- // Threaded connection with O-ring

### TECHNICAL DATA

Material	Brass blank
Max. operating pressure	10 bar
Max. operating temperature	90 °C

AG1	AG2	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Item-No
G 1/2	G 3/4	53,4	56	7.5	24	5	2 715 1200 00



### INFO

- // For heating circuit manifolds, heat generators, storage tanks and pipe systems
- // Controlled filling and emptying
- // Suitable for filling and emptying tool 2 584 1001 00
- // O-ring sealing

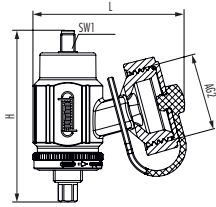
### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	90 °C

AG1	B mm	H mm	GL1 mm	SW1 mm	Item-No
G 1/2	25	20	10	22	2 580 1201 01

# OUTFLOW

## Filling and emptying tool



### INFO

- // Suitable for filling/emptying plug 2 580 1201 01
- // Axial-rotating hose connection 360°
- // O-ring sealing

### TECHNICAL DATA

Material	Brass blank
Max. operating pressure	10 bar
Max. operating temperature	90 °C

AG2	L mm	H mm	SW1 mm	SW2 mm	Item-No
G 3/4	52,2	59	10	6	2 584 1005 00

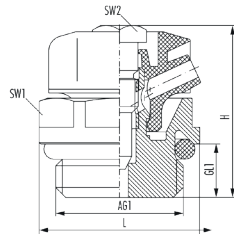


to the assembly instruction

# VENTING

- // Air bleeder valves
- // Automatic ventings





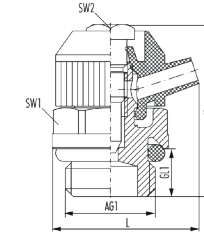
### INFO

- // Rotatable vent 360°
- // Venting hose attachable
- // Key control via SW5
- // O-ring sealing

### TECHNICAL DATA

<b>Material</b>	Nickel-plated brass
<b>Max. operating pressure</b>	10 bar / 16 bar (with closed spindle and a max. operating temperature of 100°C)
<b>Max. operating temperature</b>	130 °C

AG1	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Color	Item-No
G 3/8	21	22,5	7	19	5	white	2 532 3800 01
G 3/8	21	22,5	7	19	5	black	2 537 3805 01
G 1/2	24	20	6,5	22	5	white	2 537 1200 01
G 1/2	24	20	6,5	22	5	black	2 537 1205 01



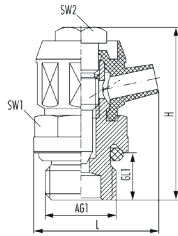
### INFO

- // Rotatable vent 360°
- // Venting hose attachable
- // Key control via SW5
- // O-ring sealing

### TECHNICAL DATA

<b>Material</b>	Nickel-plated brass
<b>Max. operating pressure</b>	10 bar / 16 bar (with closed spindle and a max. operating temperature of 100°C)
<b>Max. operating temperature</b>	130 °C

AG1	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Color	Item-no
G 1/4	21,5	25,2	7	15	5	white	2 531 1400 01
G 1/4	21,5	25,2	7	15	5	black	2 531 1405 01



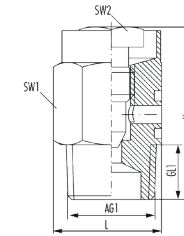
### INFO

- // Rotatable vent 360°
- // Venting hose attachable
- // Key control via SW5
- // O-ring sealing

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar / 16 bar (with closed spindle and a max. operating temperature of 100°C)
Max. operating temperature	130 °C

AG1	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Color	Item-No
G 1/8	17,2	23,8	6,5	11	5	white	2 535 1800 01
G 1/8	17,2	23,8	6,5	11	5	black	2 535 1805 01



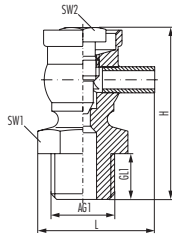
### INFO

- // Venting with drip eye
- // With fixed air outlet
- // Key control via SW5
- // Conical thread

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar / 16 bar (with closed spindle and a max. operating temperature of 100°C)
Max. operating temperature	130 °C

AG1	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Item-No
R 1/8	12,7	18,9	6	11	5	2 105 1800 01



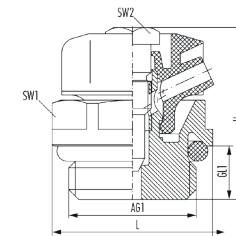
### INFO

- // With fixed air outlet
- // Venting hose attachable
- // Key control via SW5
- // With knurled thread

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar / 16 bar (with closed spindle and a max. operating temperature of 100°C)
Max. operating temperature	130 °C

AG1	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Item-No
G 1/8	19	26	7	12	5	2 110 1800 01
G 1/4	20	26	7	15	5	2 110 1400 01
G 3/8	21	26,9	7	17	5	2 110 3801 01



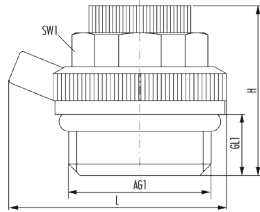
### INFO

- // Rotatable vent 360°
- // Venting hose attachable
- // Key control via SW5
- // O-ring sealing

### TECHNICAL DATA

Material	Brass chrome
Max. operating pressure	10 bar
Max. operating temperature	90 °C

AG1	L mm	H mm	GL1 mm	SW1 mm	SW2 mm	Colour	Item-No
G 1/2	24	20	6.5	22	5	chrome	2 536 1201 02



### INFO

- // Automatic venting version
- // With expanding washers
- // With axial-rotating venting 360°
- // O-ring sealing

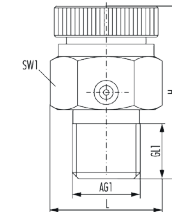
### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	8,5 bar
Max. operating temperature	115 °C

AG1	L mm	H mm	GL1 mm	SW1 mm	Item-No
G 1/2	36	25	9	19	2 520 1200 01



to the assembly instruction



### INFO

- // Venting with drip eye
- // With fixed air outlet
- // Automatic venting version
- // With expanding washers
- // With knurled thread

### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	8,5 bar
Max. operating temperature	115 °C

AG1	L mm	H mm	GL1 mm	SW1 mm	Item-No
G 1/8	16	25	8.5	14	2 120 1800 01
G 1/4	17	25	8.5	15	2 120 1400 01
G 3/8	19.5	25	10	17	2 120 3800 01

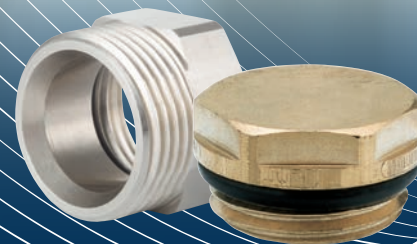


to the assembly instruction



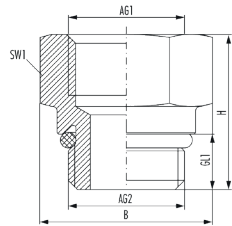
# PLUGS AND REDUCTIONS

- // Reductions
- // Plugs
- // Connecting plug
- // Sealing plug



# PLUGS AND REDUCTIONS

## Connection pieces



### INFO

// O-ring sealing on the external thread

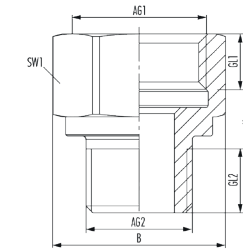
### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	B mm	H mm	GL1 mm	SW1 mm	Item-No
G 3/4	G 1/2	34.6	31	10	30	2 550 1234 01
G 1	G 3/4	41.6	28.5	10	36	2 550 3410 01

# PLUGS AND REDUCTIONS

## Reduction



### INFO

// With EPDM seal  
// Female thread flat sealing

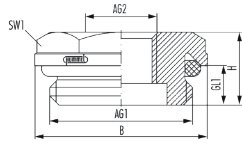
### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	B mm	H mm	GL1 mm	GL2 mm	SW1 mm	Item-No
G 1/2	G 3/8	27	28	9	10	24	2 549 1238 01

# PLUGS AND REDUCTIONS

## Connection plug



### INFO

- // Flat design
- // O-ring sealing on the external thread

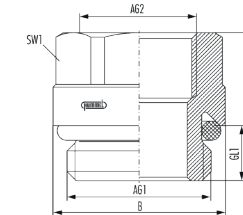
### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	Thread	AG2	B mm	H mm	GL1 mm	SW1 mm	Item-No
G 1/2	right	G 3/8	24	13	7	22	2 550 1238 99
G 3/4	right	G 1/2	32	14.5	7.5	27	2 550 3412 01
G 1 1/2	left	G 1/2	55	24	11	32	2 550 4112 01

# PLUGS AND REDUCTIONS

## Connection plug reinforced



### INFO

- // Reinforced version
- // O-ring sealing on the external thread

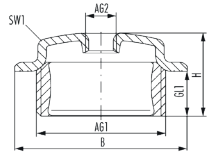
### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	B mm	H mm	GL1 mm	SW1 mm	Item-No
G 1/2	G 3/8	25	21.5	8	22	2 551 1238 01

# PLUGS AND REDUCTIONS

## Radiator connection plug



### INFO

- // For tubes, left and DIN radiators
- // Flat sealing version

### TECHNICAL DATA

Material	Steel
Max. operating pressure	10 bar
Max. operating temperature	90 °C

AG1	Thread	AG2	B mm	H mm	GL1 mm	SW1 mm	Item-No
G 1 1/4	left	G 1/2	56	27.2	14.5	41	2 350 5412 03
G 1 1/4	right	G 1/2	56	27.2	14.5	41	2 351 5412 03

# PLUGS AND REDUCTIONS

## Flat sealing



### INFO

- // Matching gasket for the HUMMEL range of steel plugs
- // Graphitised front and back

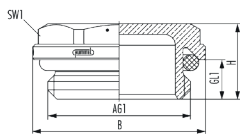
### TECHNICAL DATA

Material	Tesnite BA50
Max. operating pressure	10 bar
Max. operating temperature	90 °C

AG1	L mm	B mm	H mm	Item-No
1 1/4	55	55	1	2 402 0000 04

## PLUGS AND REDUCTIONS

### Radiator plug



#### INFO

- // For radiators, fittings, devices and assemblies
- // O-ring sealing

#### TECHNICAL DATA

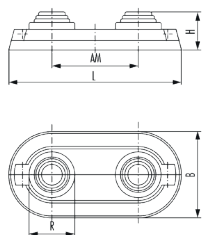
Material	Brass blank / Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	130 °C

AG1	B mm	H mm	GL1 mm	SW1 mm	Material	Item-No
G 1/8	13	11	5.8	10	Nickel-plated brass	2 500 1800 01
G 1/4	18.9	13	7	17	Nickel-plated brass	2 500 1400 01
G 3/8	21	13.5	7.4	19	Nickel-plated brass	2 500 3800 01
G 1/2	24	12.8	7	22	Brass blank	2 506 1200 00
G 1/2	24	12.8	7	22	Nickel-plated brass	2 506 1200 01
G 3/4	32	14	7.3	27	Nickel-plated brass	2 500 3400 01
G 1	40	18	10	32	Nickel-plated brass	2 500 1000 01

## ACCESSORIES

- // Collars
- // Air bleed key
- // Tools
- // Small parts
- // Seals
- // Sealing caps





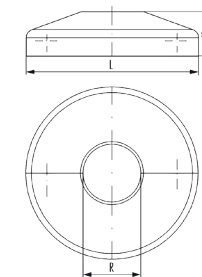
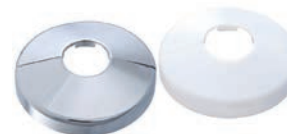
### INFO

- // For double connection fittings
- // Can be cut for different pipe diameters
- // Flat design

### TECHNICAL DATA

Material	ABS
Collar	Double

AM mm	L mm	B mm	H mm	R mm	Colour	Item-No
50	100	50	22	12, 15, 18, 20	chrome	2 612 5000 02
50	100	50	22	12, 15, 18, 20	white	2 612 5000 11
50	100	50	22	12, 15, 18, 20	anthracite	2 612 5070 16
50	100	50	22	14, 16, 17, 20	white	2 612 5001 11



### INFO

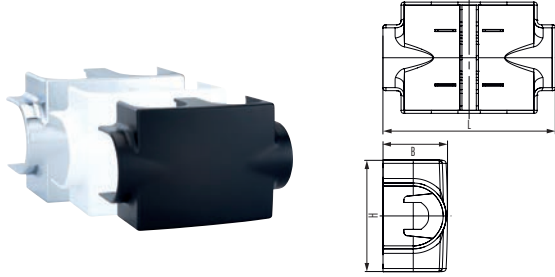
- // For single connection fittings
- // Flat design

### TECHNICAL DATA

Material	ABS
Collar	Single

L mm	B mm	H mm	R mm	Colour	Item-No
45	45	11.6	15	chrome	2 613 5000 02
45	45	11.6	15	white	2 613 5000 90

## Cover for Quadro valve terminal block



### INFO

// Cover for Quadro valve terminal block

### TECHNICAL DATA

**Material** ABS

L mm	B mm	H mm	Colour	Item-No
114	42,6	73,5	chrome	2 219 8400 02
114	42,6	73,5	black	2 219 8400 05
114	42,6	73,5	white	2 219 8400 90

## Air bleed key made of zinc die casting



### INFO

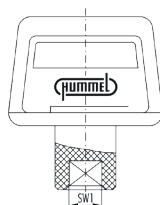
// For all vent and drain valves with square SW 5  
 // Square SW 5  
 // With manufacturer's mark

### TECHNICAL DATA

**Material** Zinc Die Cast  
**Colour** blue chromated

L mm	B mm	H mm	SW1 mm	Item-No
25	9	26	5.1	2 400 0500 05





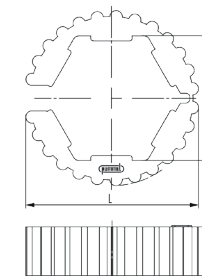
### INFO

- // For all vent and drain valves with square SW 5
- // Square SW 5
- // With manufacturer's mark

### TECHNICAL DATA

Material	Plastic
Colour	blue

L mm	B mm	H mm	SW1 mm	Item-No
24	10	27	5.1	2 410 0500 11



### INFO

- // For all coated union nuts and compression fittings with SW 30
- // Installation aid for union nut SW 30 to retain, loosen, tighten
- // To protect against surface damage

### TECHNICAL DATA

Material	Polyamide
Colour	blue

L mm	H mm	SW1 mm	Item-No
42.5	12	30	2 900 0380 03



### INFO

- // For vent and drain valves with hose transition
- // Construction length on request, min. 1m

### TECHNICAL DATA

Material	PVC
Colour	transparent

B mm	H mm	Item-No
6	6	2.405.0400.19
14	14	2.405.0401.19



### INFO

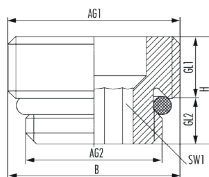
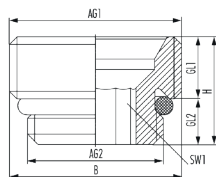
- // For fittings, adapters and transitions in flat sealing design

### TECHNICAL DATA

Material	Polyamide
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	L mm	B mm	H mm	Item-No
3/4	21	21	7.7	2.855.3401.00

## Connector nipple made of brass



left: 2 555 1234 00 | right: 2 558 1234 00

### INFO

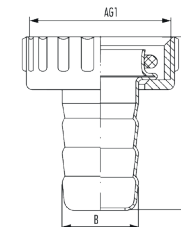
- // For connecting fittings to radiators
- // Flat sealing and conical sealing design
- // O-ring sealing

### TECHNICAL DATA

Material	Brass blank
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	120 °C

AG1	AG2	L mm	B mm	H mm	GL1 mm	GL2 mm	SW1 mm	Version	Item-No
G 3/4	G 1/2	26.4	26.4	16.5	9.5	7	12	conical sealing	2 555 1234 00
G 3/4	G 1/2	26.4	26.4	16.5	9.5	7	12	flat sealing	2 558 1234 00

## Hose nozzle



### INFO

- // For drain valves, FE ball valve and SFE valve
- // Suitable for hoses 1/2"
- // O-ring sealing

### TECHNICAL DATA

Material	Brass blank
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	90 °C

AG1	L mm	B mm	H mm	SW1 mm	Item-No
G 3/4	26.4	14.4	33	30	2 730 3412 03



### INFO

- // For drain valves, FE ball valve and SFE valve
- // Metallic design including seal
- // Flexible retaining loop as loss protection
- // Drip fuse

### TECHNICAL DATA

Material	Nickel-plated brass
Material moulded seal	EPDM
Max. operating pressure	10 bar
Max. operating temperature	90 °C

AG1	L mm	B mm	H mm	SW1 mm	Item-No
G 3/4	100	26.4	26.4	30	2 810 0279 13



### INFO

- // For HUMMEL FE ball valve and SFE valve
- // For sealing when the hose nozzle is not attached

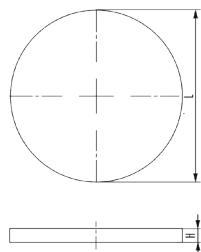
### TECHNICAL DATA

Material	Nickel-plated brass
Max. operating pressure	10 bar
Max. operating temperature	90 °C

AG1	L mm	B mm	H mm	SW1 mm	Item-No
G 3/4	26.4	26.4	13.7	30	2 947 0001 01

## ACCESSORIES

### Seal für sealing cap



#### INFO

- // Suitable for cap G 3/4
- // High quality gasket

#### TECHNICAL DATA

Material	EPDM
Max. operating pressure	10 bar
Max. operating temperature	90 °C

AG1	L mm	B mm	H mm	Item-No
3/4	25	25	2	2 947 0002 11

## ACCESSORIES, SPARE PARTS AND TOOLS

### Spare parts



#### Flat sealing

for terminal block for one-pipe systems (until year of construction/catalog 2020), diverters, terminal block for two-pipe systems

Item-No DAD5-70B00A



#### O-Ring

for single connection, cam, Y-piece

Item-No TAX3-7G1620



#### Protective cap

for thermostatic valve M30 x 1.5 mm

Item-No DAK1-1MB30A



#### Valve insert

for TBlock (until year of construction/catalog 2020), thermostatic valve (angled, corner or straight type), thermostatic valve Designtechnik (until year of construction/catalog 2020)

Item-No DAT1-CVS13A



#### Valve insert

for design fitting set no. 1 corner type and set no. 2 straight type (from year of construction/catalog 2021)

Item-No DAT1-CVS13B



#### Valve insert

for thermostatic valve Designtechnik, flow and returnflow reversed (until year of construction/catalog 2020)

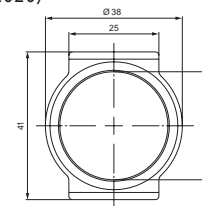
Item-No DAT1-CVS12B



#### Valve insert

for heating distributors

Item-No DAT1-HKV200



#### Valve insert

continuously adjustable valve terminal block Quadro

Item-No DAT1-QVS001



#### Flow rate controller

for heating distributors

Item-No DAT1-HKV100

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DAT1-QVS001	Valve insert	137
2257 0008 01	Y pieces	61
2257 0009 01	Y pieces	61

# TECHNICAL INFORMATION

## General technical information

Heating parts for drinking water systems are particularly marked in this catalog. Our products are suitable for heating systems of buildings, regardless of the type of heating.

To avoid damage and scale formation, the composition of the heat transfer medium should conform to VDI (The Association of German Engineers) guideline 2035. For industry and district heating plants, the AGFW work sheet FW 510 is to be observed. Mineral oils contained in the heat-transfer medium (alternatively, Neo-Fermit and other lubricants of the type that contain mineral oil) cause swelling and, in most cases, the breakdown of EPDM sealings.

The threads of HUMMEL threaded joints are, unless stated otherwise, manufactured according to DIN EN ISO 228-1. We reserve the right to make technical changes, as well as changes to dimensions and design.

### DIN EN 16313

HUMMEL single and double connection fittings comply with required figures of DIN EN 16313. HUMMEL compression fittings also comply with the functional dimensions of DIN EN 16313. By combining a HUMMEL compression fitting with a part from other manufacturers it has to be ensured that this part has been manufactured in compliance with DIN EN 16313.

### Assembly instructions

Our assembly instructions are enclosed with our products or available online in our technical center at [www.hummel.com](http://www.hummel.com). For further requests a personal contact person will be happy to provide you with detailed information.

### DIN ISO 9001

HUMMEL supplies certified quality according to DIN ISO 9001 and sets with this high demands towards the own products, as well as towards the suppliers. Only standardized and certified copper alloys of well-known European semi-finished product plants getting used in production.



to the pressure loss diagrams

# SOLUTIONS FOR HEATING AND DRINKING WATER SYSTEMS

## Solutions for drinking water systems

Steel pipe adapters, compression fittings, connection fittings, nipples



## Connection fittings

Reductions, coupling angle, steel pipe adapters, compression fittings



## Radiator connections

Diverters, flexible connections, connection fittings, thermostatic valves and heads



## Draining and Venting

Air vents, automatic venting, draining valves, inflow and outflow apparatus



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