

**JRG Valves**

# **JRG Concealed Shut-off/ Counter Unit Compact**

**Technical Documentation**



# The new JRG Concealed Shut-off/Counter Unit Compact and JRG Connection Kit

## + Properties

JRG connection kit

$\frac{3}{4}$ " -  $\frac{1}{2}$ " -  $\frac{3}{4}$ "

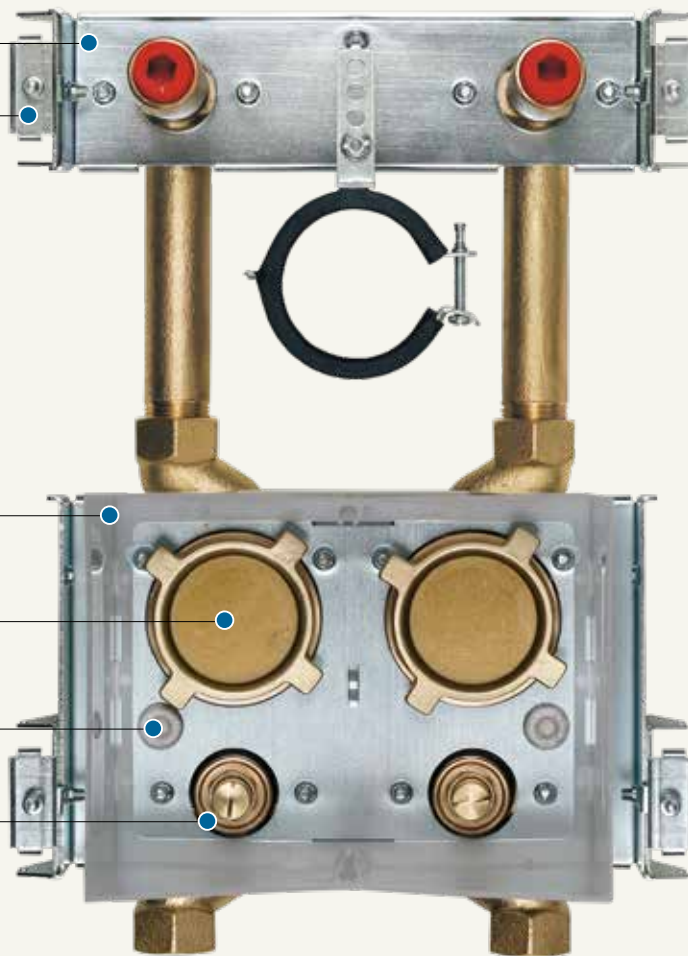
Adapter for GIS connection\*

JRG concealed shut-off/counter unit compact  $\frac{3}{4}$ "

KOAX water counter connection kit

Cable passage for digital water meter

Straight-seat shut-off valve



\*Adapter for connections



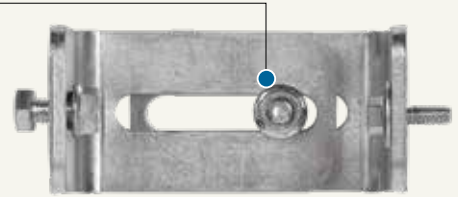
Adapter for GIS connection



Adapter for Duofix-connection



Adapter for wall mounting



Adapter for Laufen I TECE connection

The JRG concealed shut-off/counter unit compact for drinking water installations consists of a straight-seat shut-off valve and KOAX water counter connection part – for cold and hot water.

With the optional connection kit, it is possible to mount a wash basin connection, including mounting brackets for the sewer, directly above the JRG concealed shut-off/counter unit compact.

Using adapters for GIS, Duofix and wall mounting, all common installation variants can be carried out.

The JRG concealed shut-off/counter unit compact is suitable for a nominal pressure of 1'000 kPa (10 bar) and for temperatures up to 65°C for continuous operation and up to 90°C for a short period during thermal disinfection (maximum 1 hour per week). With the counter mounted, manufacturer's instructions must be observed.

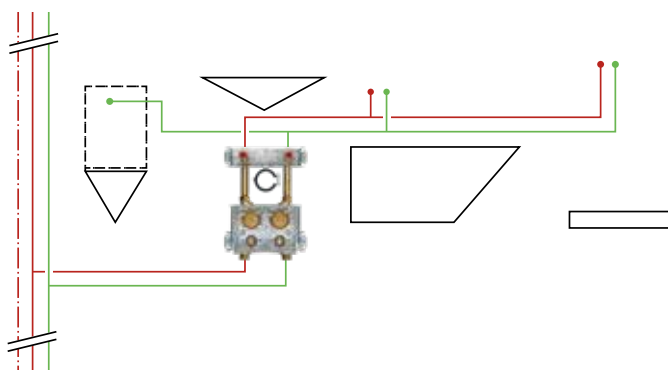
SVGW approved.

## + Advantages

- Small installation dimensions
- Small wall opening, which is closed with a simple cover (white or chromed)
- Proven JRG LegioStop concealed shut-off valve tops
- Low installation depth thanks to vertical recess for sewer

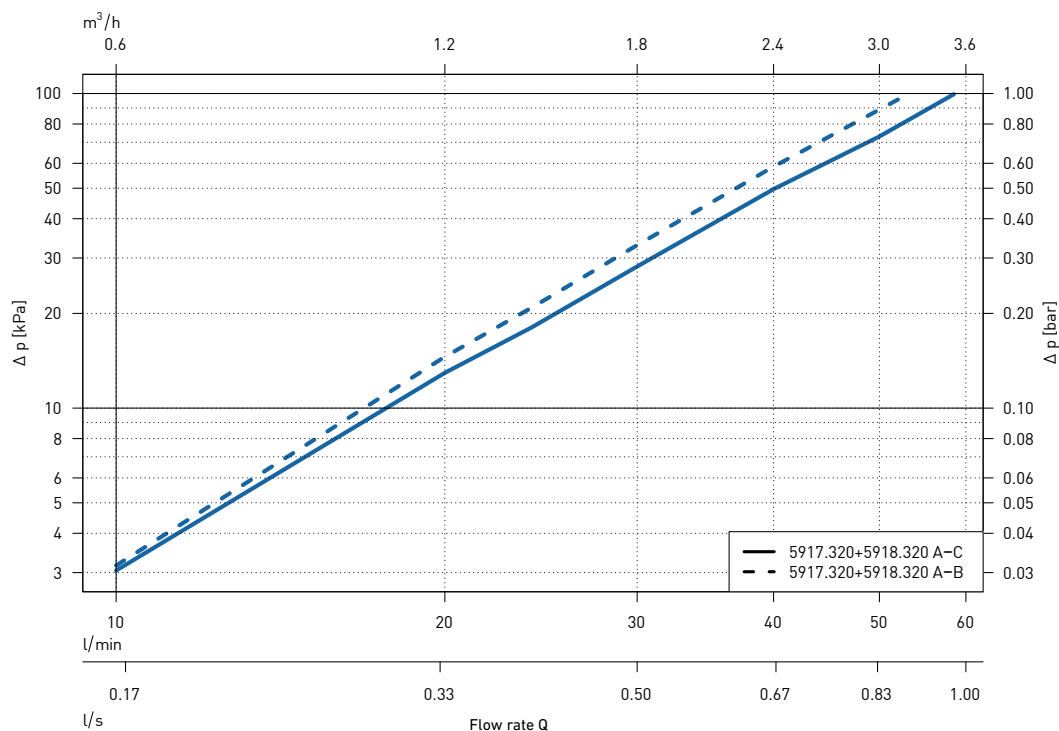
| JRG Code                  | Designation                                                                              | Dimension | K <sub>vs</sub> -value | ζ-value |
|---------------------------|------------------------------------------------------------------------------------------|-----------|------------------------|---------|
|                           |                                                                                          | [GN]      | [m³/h]                 | [-]     |
| 5917.320                  | JRG concealed shut-off/counter unit compact                                              | ¾         | 3.5                    | 20.9    |
| 5918.320                  | JRG connection kit<br>Flow path A–B                                                      | ¾–½       | 6.6                    | 5.9     |
| 5918.320                  | JRG connection kit<br>Flow path A–C                                                      | ¾         | 7.5                    | 4.6     |
| 5917.320<br>+<br>5918.320 | JRG concealed shut-off/counter unit compact<br>incl. JRG connection kit<br>Flow path A–B | ¾–½       | 3.2                    | 25.0    |
| 5917.320<br>+<br>5918.320 | JRG concealed shut-off/counter unit compact<br>incl. JRG connection kit<br>Flow path A–C | ¾         | 3.5                    | 20.9    |

## + Installation example

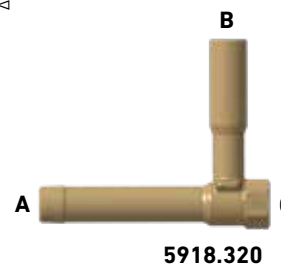
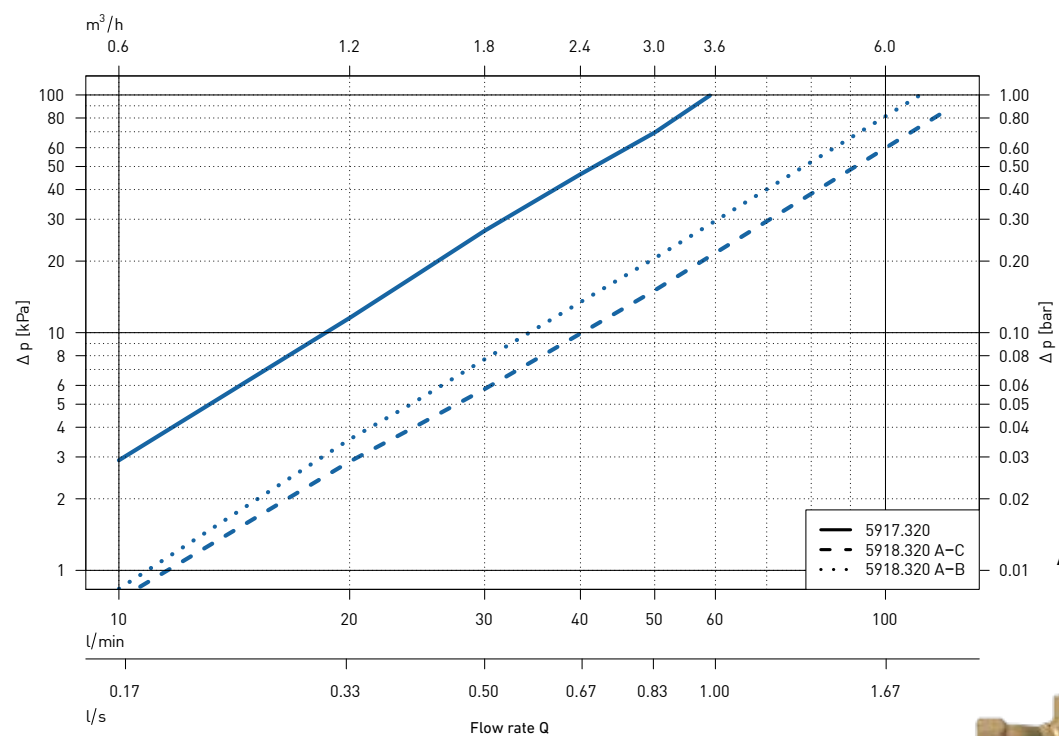


## + Nomograms

### Pressure drop JRG concealed shut-off/counter unit compact and JRG connection kit



### Pressure drop individual components



## + Technical data

### Application

The JRG concealed shut-off/counter unit compact and connection kit are approved for the following applications:

| JRG Code                                             | PN               | t <sub>max</sub> * |
|------------------------------------------------------|------------------|--------------------|
| 5917.320 JRG concealed shut-off/counter unit compact | 100 kPa (10 bar) | 65°C               |
| 5918.320 JRG connection kit                          |                  |                    |

\* Temperatures up to 90°C permissible for short periods (maximum 1 hour per week) during thermal disinfection.  
With the counter mounted, manufacturer's instructions must be observed.

### Noise behaviour

| JRG Code  | Dimension | Valve group |
|-----------|-----------|-------------|
| 5917.320* | DN20      | I           |

\* without measuring capsule

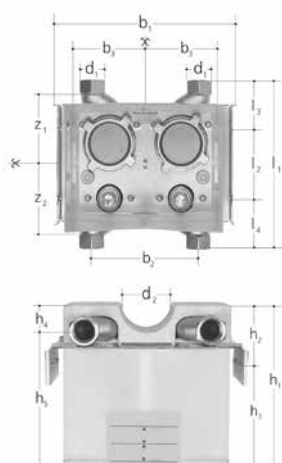
### Mounting Position

The JRG concealed shut-off/counter unit compact can be mounted in any position, however, the measuring capsule must not be mounted facing downwards. It is important that the JRG concealed shut-off/counter unit compact be installed free of stress.

### Installation Instructions

Observe locally applicable guidelines, standards and regulations when installing the JRG concealed shut-off/counter unit compact and the JRG connection kit.

## Products



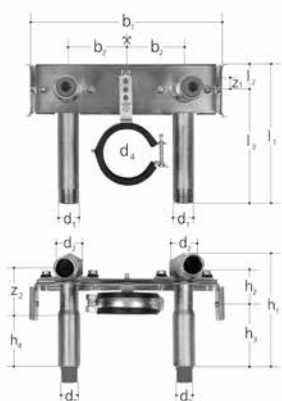
#### JRG Concealed shut-off/counter unit compact gunmetal

- Material: gunmetal, steel

| Size   | DN   | JRG Code | GF Code     | Weight |
|--------|------|----------|-------------|--------|
| (inch) | (mm) |          |             | (kg)   |
| ¾      | 20   | 5917.320 | 355 566 532 | 3.180  |

| GN     | d1 Rp  | d2   | b1   | b2   | b3   | h1        | h2   | h3       | h4   | h5        | l1   | l2   | l3   |
|--------|--------|------|------|------|------|-----------|------|----------|------|-----------|------|------|------|
| (inch) | (inch) | (mm) | (mm) | (mm) | (mm) | (mm)      | (mm) | (mm)     | (mm) | (mm)      | (mm) | (mm) | (mm) |
| ¾      | ¾      | 61   | 233  | 140  | 96   | 144 - 186 | 71   | 73 - 115 | 27   | 117 - 159 | 210  | 84   | 61   |

| l4   | z1   | z2   | PN    |
|------|------|------|-------|
| (mm) | (mm) | (mm) | (bar) |
| 65   | 87   | 91   | 10    |



#### JRG Connection kit gunmetal

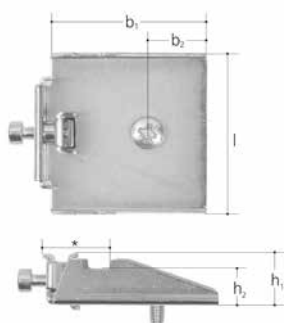
- Description: to JRG concealed shut-off/counter unit compact
- Material: gunmetal, steel

| GN     | DN   | JRG Code | GF Code     | Weight |
|--------|------|----------|-------------|--------|
| (inch) | (mm) |          |             | (kg)   |
| ¾      | 20   | 5918.320 | 355 566 534 | 1.520  |

| GN     | d1 R   | d2 R   | d3 Rp  | d4      | b1   | b2   | h1        | h2   | h3      | h4      | l1   | l2   | l3   |
|--------|--------|--------|--------|---------|------|------|-----------|------|---------|---------|------|------|------|
| (inch) | (inch) | (inch) | (inch) | (mm)    | (mm) | (mm) | (mm)      | (mm) | (mm)    | (mm)    | (mm) | (mm) | (mm) |
| ¾      | ¾      | ¾      | ½      | 50 - 56 | 233  | 70   | 128 - 138 | 44   | 66 - 77 | 50 - 60 | 169  | 31   | 139  |

| GN     | PN    | z1   | z2   |
|--------|-------|------|------|
| (inch) | (bar) | (mm) | (mm) |
| ¾      | 10    | 14   | 60   |

# Products



\* GIS Profile

## JRG Adapter GIS steel

- Description: to JRG concealed shut-off/counter unit compact, connection kit
- Material: steel
- Consisting of: set of 2 pcs

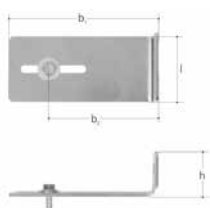
| JRG Code | GF Code     | Weight (kg) | b1 (mm) | b2 (mm) | h1 (mm) | h2 (mm) | l (mm) |
|----------|-------------|-------------|---------|---------|---------|---------|--------|
| 5917.001 | 355 566 545 | 0.130       | 57      | 22      | 17      | 12      | 58     |



## JRG Adapter Duofix steel

- Description: to JRG concealed shut-off/counter unit compact, connection kit
- Material: steel
- Consisting of: set of 2 pcs

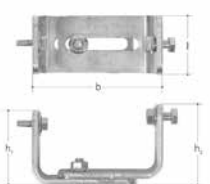
| JRG Code | GF Code     | Weight (kg) | b (mm) | h1 (mm) | h2 (mm) | h3 (mm) | h4 (mm) | l (mm) |
|----------|-------------|-------------|--------|---------|---------|---------|---------|--------|
| 5917.002 | 355 566 540 | 0.330       | 98     | 75      | 58      | 50      | 30      | 60     |



## JRG Adapter wall mounting steel

- Description: to JRG concealed shut-off/counter unit compact, connection kit
- Material: steel
- Consisting of: set of 2 pcs

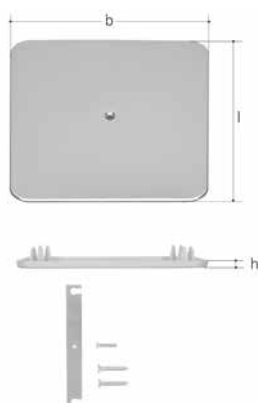
| JRG Code | GF Code     | Weight (kg) | b1 (mm) | b2 (mm)  | h (mm) | l (mm) |
|----------|-------------|-------------|---------|----------|--------|--------|
| 5917.003 | 355 566 555 | 0.400       | 128     | 64 - 114 | 39     | 56     |



## JRG Adapter Laufen/TECE steel

- Description: to JRG concealed shut-off/counter unit compact, connection kit
- Material: steel
- Consisting of: set of 2 pcs

| JRG Code | GF Code     | Weight (kg) | b (mm) | h1 (mm) | h2 (mm) | l (mm) |
|----------|-------------|-------------|--------|---------|---------|--------|
| 5917.004 | 355 566 548 | 0.400       | 109    | 60      | 65      | 50     |

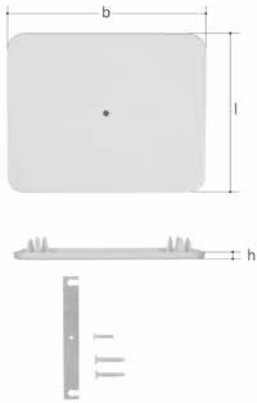


## JRG Cover, chromium-plated plastic

- Description: to JRG concealed shut-off/counter unit compact, connection kit
- Material: plastic

| JRG Code | GF Code     | Weight (kg) | b (mm) | h (mm) | l (mm) |
|----------|-------------|-------------|--------|--------|--------|
| 5917.010 | 355 566 536 | 0.200       | 217    | 8      | 174    |

# Products



## JRG Cover, white plastic

- Description: to JRG concealed shut-off/counter unit compact, connection kit
- Material: plastic

| JRG Code | GF Code     | Weight (kg) | b (mm) | h (mm) | l (mm) |
|----------|-------------|-------------|--------|--------|--------|
| 5917.011 | 355 566 537 | 0.200       | 217    | 8      | 174    |



## JRG LegioStop Upper part gunmetal

- Description: to concealed straight seat valve (from 2009)
- Material: gunmetal, stainless steel, EPDM

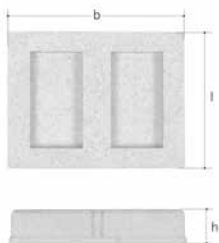
| d (mm)    | GN (inch) | DN (mm) | JRG Code | GF Code     | Weight (kg) | h (mm) | hub max. (mm) | ○1 | ○2 |
|-----------|-----------|---------|----------|-------------|-------------|--------|---------------|----|----|
| M25 x 1.5 | ½ - 1     | 15 - 25 | 5995.000 | 351 062 081 | 0.112       | 25     | 7             | 18 | 11 |



## JRG Slip-on Coupler brass With slot

- Description: to concealed valves (from 2009)
- Material: brass

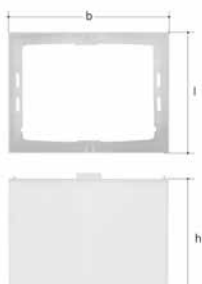
| GF Code     | Weight (kg) | l (mm) | h (mm) | ○    |
|-------------|-------------|--------|--------|------|
| 351 062 026 | 0.015       | 15     | 15.5   | 12.8 |



## JRG Shell cover

- Description: to 5917

| GF Code     | Weight (kg) | l (mm) | b (mm) | h (mm) |
|-------------|-------------|--------|--------|--------|
| 355 566 577 | 0.024       | 148    | 191    | 37     |



## JRG Plastic frame

- Description: to 5917

| GF Code     | Weight (kg) | l (mm) | b (mm) | h (mm) |
|-------------|-------------|--------|--------|--------|
| 355 566 578 | 0.183       | 148    | 191    | 130    |

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