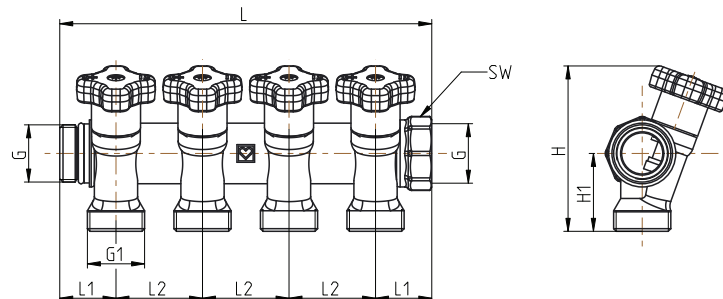


# HERZ - Sanitary Water Manifold

Data sheet 2 8530 0X, Issue 0820

## ☑ Dimensions



| Art. Nr.  | DN | Circuits | PN<br>[bar] | G<br>[in] | G1<br>[in]    | L1<br>[mm] | L2<br>[mm] | H1<br>[mm] | H<br>[mm] | L<br>[mm] | Sw<br>[mm] |
|-----------|----|----------|-------------|-----------|---------------|------------|------------|------------|-----------|-----------|------------|
| 2 8530 02 | 20 | 2        | 10          | 3/4"      | 3/4" eurocone | 26         | 40         | 36         | 76.5      | 92        | 32         |
| 2 8530 03 | 20 | 3        | 10          | 3/4"      | 3/4" eurocone | 26         | 40         | 36         | 76.5      | 132       | 32         |
| 2 8530 04 | 20 | 4        | 10          | 3/4"      | 3/4" eurocone | 26         | 40         | 36         | 76.5      | 172       | 32         |

\*4- circuit manifold is shown on the drawing above

## ☑ Material and construction

|                             |   |
|-----------------------------|---|
| Body:                       | forged brass in compliance with the UBA / 4MS lists, CW617N   |
| Spindle:                    | machined brass in compliance with the UBA / 4MS lists, CW614N |
| Handles:                    | PA-6  |
| Spindle seals:              | EPDM  |
| O-ring seal:                | EPDM  |
| External thread connectors: | acc. to ISO 228   |
| Internal thread connectors: | acc. to ISO 228   |

## ☑ Operating data:

|                             |   |
|-----------------------------|---|
| Max. operating pressure:    | 10 bar                                      |
| Min. operating temperature: | 0 °C (water 0,5 °C)                         |
| Max. operating temperature: | 110 °C                                      |
| Medium:                     | Sanitary water or water for heating systems |

When the manifold is used in heating systems, the heating water has to have quality according to ÖNORM H5195 or VDI-Standard 2035. The use of ethylene or propylene glycol in a mixing ratio 25- 50% is allowed. Please refer to manufacturers documentation when using ethylene glycol products for frost and corrosion protection. Please note that EPDM gaskets will be affected by Mineral oils lubricants and thus lead to failure of the EPDM seals in the valves that use EPDM seals. HERZ - Sanitary water manifolds is not suitable for usage of aggressive medium (such as: acids, alkalis, combustible and explosive gases;) because it can destroy sealing components.

## ☑ Description of HERZ - Sanitary water manifolds

Sanitary water manifolds systems are high quality products that are assembled and pressure tested during the manufacturing process under constant quality control.

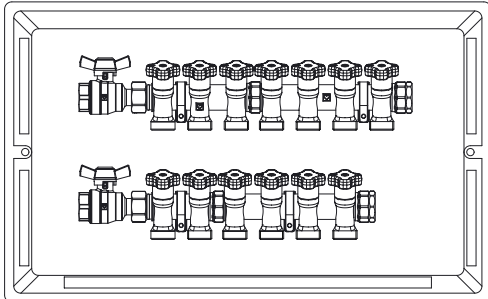
Advantages of HERZ - Sanitary water manifold systems are:

- All pipes centralized in one place in a cabinet - EASY CONTROL FOR THE USER
- Quick modular connections between manifolds due to easy sealing design
- The position of the handle makes it easier to access
- Fewer fittings means less chance of leakage - direct connection to the sanitary tap, sink, baths, etc.
- Reduced installation time of between 30%- 40% due to fewer fittings required
- Each individual circuit, whether it is hot or cold, can be marked with stickers during installation, allowing easy identification of which isolating tap to close
- Manifolds can be installed in a convenient location for easy access, meaning less disruption to the building occupiers and ease of repair
- Easy to use and maintain
- Reliable design and long service life
- Permanent quality control of production in our own factories
- Easy installation
- Compatibility with other HERZ products

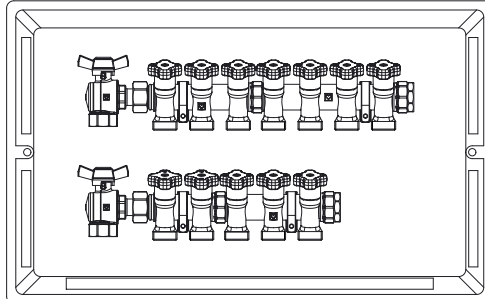
**Field of application**

HERZ - Sanitary water manifolds can be used everywhere you need to distribute hot or cold water from the source to the consumer (washing machines, baths, sinks, etc.). The manifolds can be plugged on one side with a male 3/4" plug. Input of the manifold is male threaded G3/4". We recommend to use HERZ straight or angle isolation valves. Each outlet is possible to connect with a female G3/4" adapter for HERZ PIPEFIX.

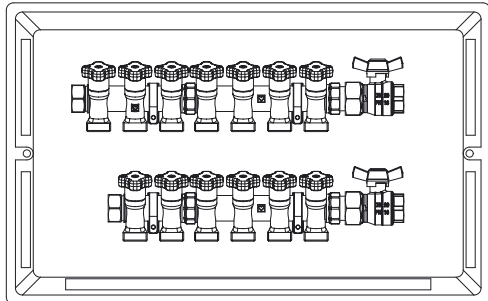
Left side connection - Straight valves



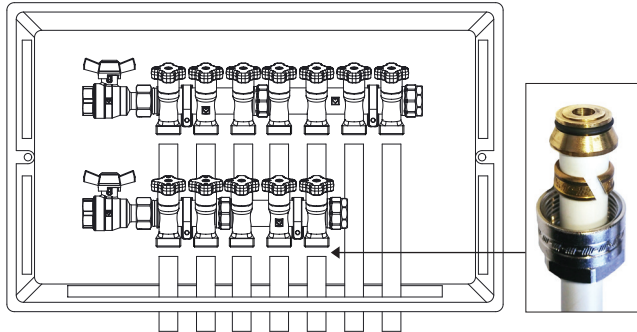
Left side connection - Angle valves



Right side connection - Straight valves

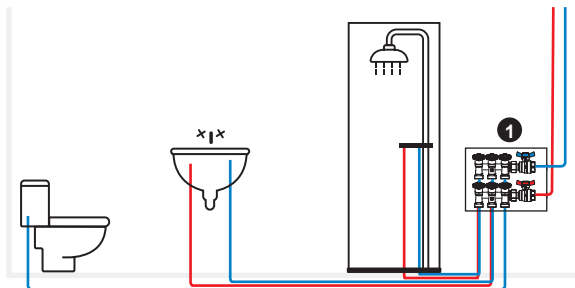


HERZ Pipefix



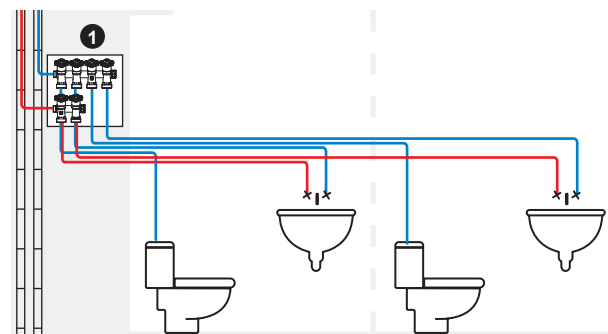
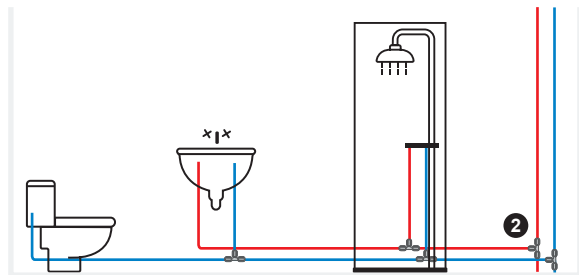
**Drinking water systems**

Point to point plumbing

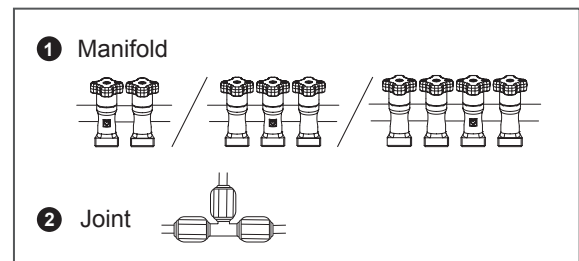


Example of fixture in house

Traditional plumbing



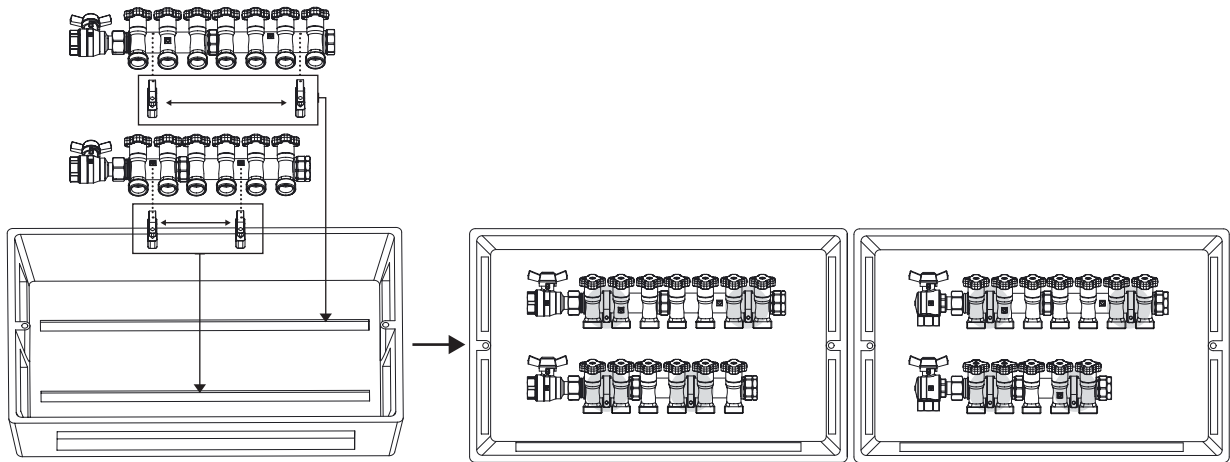
Example of fixture in (apartment) building



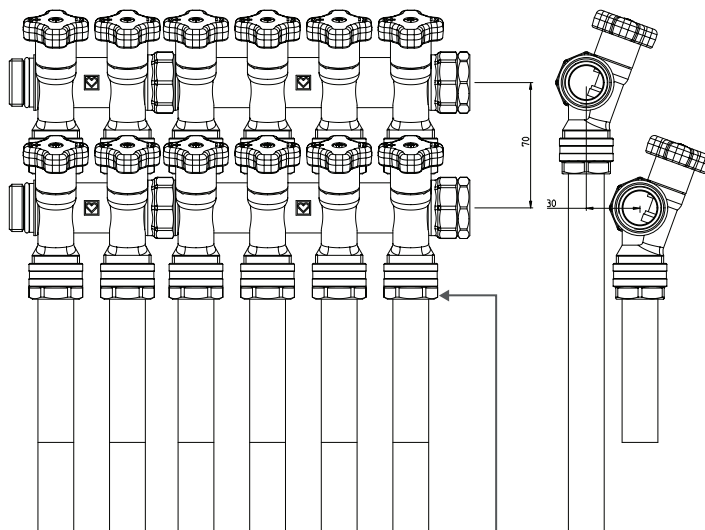
The main advantage of point to point plumbing compared to traditional type of plumbing is the possibility of reducing the number of joints. That way you can decrease the potential risk of leakage.

**☑ Assembly instruction**

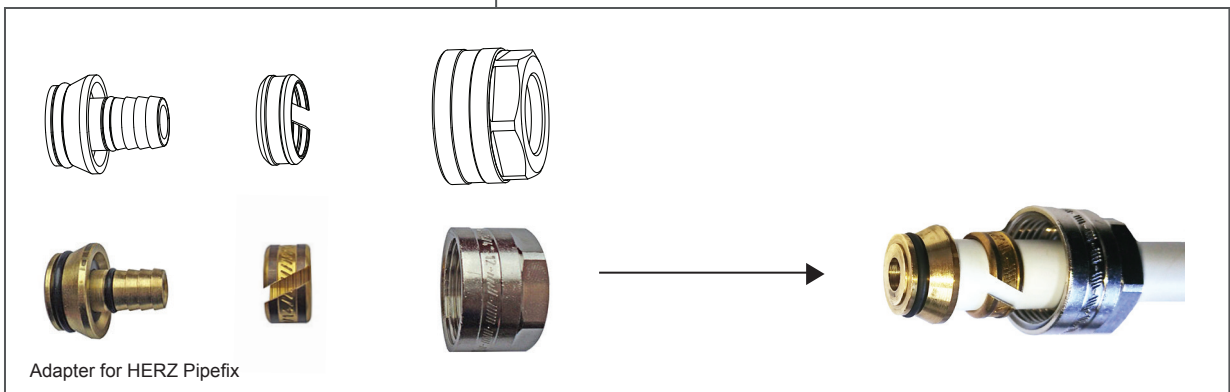
HERZ - Sanitary water manifold systems can be installed directly to the wall in the Herz flush-mounted plastic box. The mounting position is arbitrary. For installation of the manifold we recommend using the HERZ plastic box kit which includes plastics brackets compatible to the sanitary water manifold.



Pipes are screwed onto HERZ Drinking water manifolds. The pipes have to be correctly aligned, so the manifold is not loaded with a bending moment. When using copper or plastic pipes take into account pressure and temperature limits of the selected material. When assembling, use a suitable assembly tool that adapts to manifolds end connections. We recommend you to use HERZ Pipefix G3/4" connection.



Correctly aligned

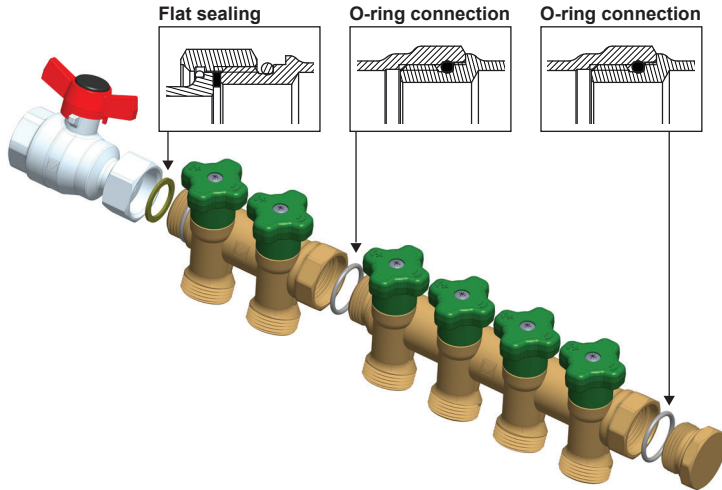


Adapter for HERZ Pipefix

Following assembly, the connections of the manifold must be checked for water-tightness by the installer. All engineering standards and recognized regulations must be adhered to by these specialist staff. If there are impurities in the medium (water too hard, dust, etc.) there should be a filter installed, in other case the impurities can damage the seals of the valves inside the manifold.

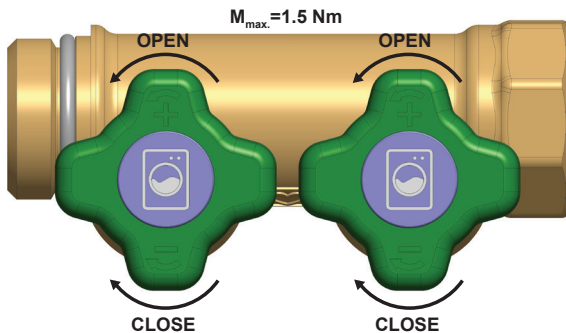
**Customization**

All HERZ sanitary manifolds can be quickly extended with additional manifolds (two, three, four circuits). Pre-installed o-ring sealings are mounted on the housing for easier connection of multiple manifolds. There is no need to add additional sealing or glue. Connecting two housings: fully screw the male thread 3/4" into the female thread. Then unscrew until the handles on the two manifolds align with each other. Before first use we recommend you to use Silicone-based lubricant on the o-ring. HERZ blank plug has to be added at the end of the manifold.



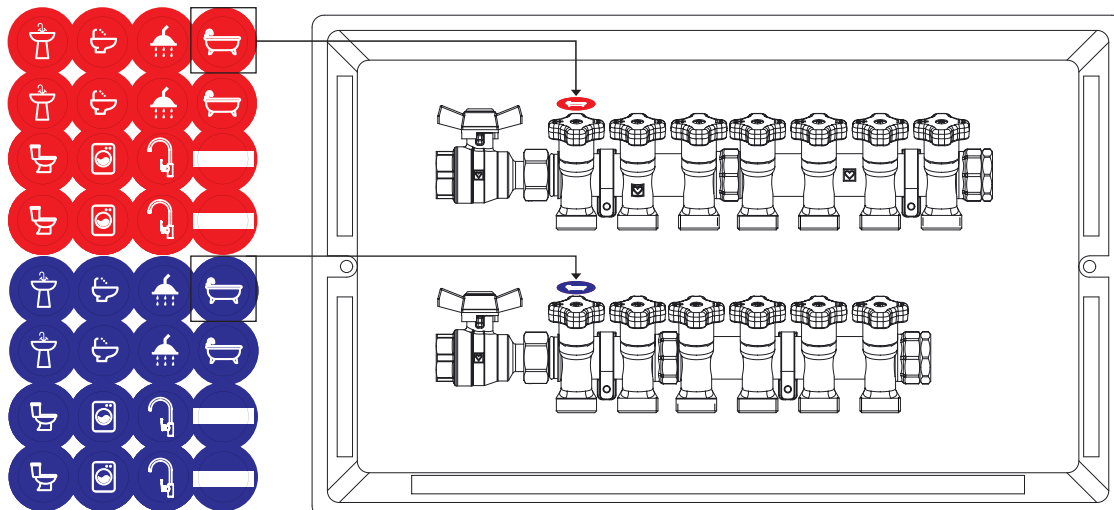
**Function principle of components**

The factory setting is fully opened. Rotate the handle counter-clockwise or clockwise to adjust the flow (opening/closing).



**Labelling**

Each outlet of sanitary manifolds (e.g. sink, bath, etc.) is identified by applying a small blue or red label with an icon designating the point of use (\*labels supplied with product). Use RED labels for hot circuit and BLUE labels for cold circuits.



**☑ Brass**

HERZ uses top-quality brass that is in compliance with the UBA and 4MS lists. Components of HERZ - Drinking water manifolds systems are made from brass due to its good strength and excellent corrosion resistance. Pursuant to Article 33 of the REACH Regulation (EC No. 1907/2006), we are obliged to point out that the material lead is listed on the SVHC list and that all brass components manufactured in our products exceed 0.1% (w / w) lead (CAS: 7439-92-1 / EINECS: 231-100-4). Since lead is a component part of an alloy, actual exposure is not possible and therefore no additional information on safe use is necessary.

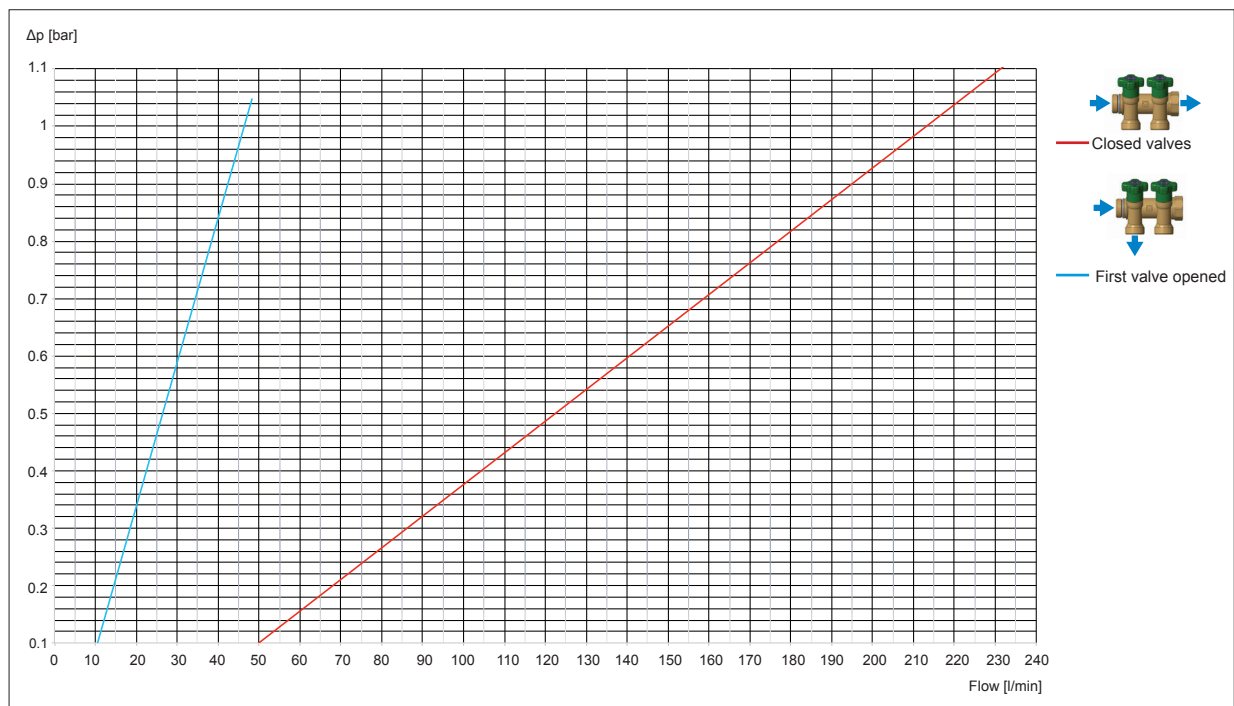
**☑ Maintenance instruction**

The valve does not require any special maintenance. It is mandatory to close and open the valve periodically (at least twice a year, every 6 months). No mineral oil lubricant should be used for the maintenance of the valves. Usage of these materials will damage the sealing elements. Silicone-based lubricant are allowed.

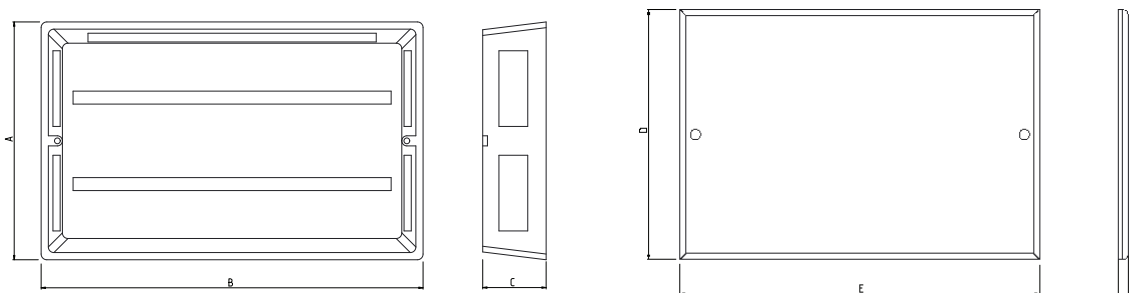
**☑ Disposal instruction**

The disposal of HERZ - Drinking water manifolds systems must not endanger the health or the environment. National legal regulations for proper disposal of the HERZ - Drinking water manifolds systems have to be followed.

**☑ Pressure drop graph**



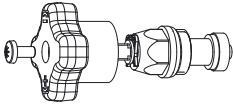

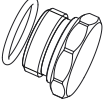
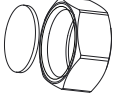
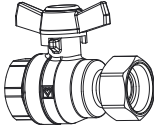
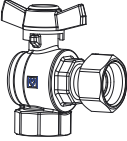
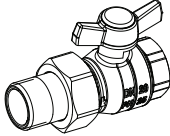
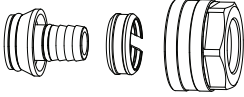

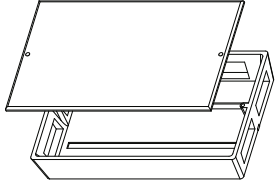
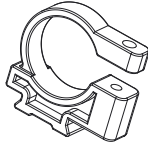
**☑ Plastic cabinets**



| Item number | A [mm] | B [mm] | C [mm] | D [mm] | E [mm] | F [mm] | Width suitable for** |
|-------------|--------|--------|--------|--------|--------|--------|----------------------|
| 1 6319 24   | 290    | 330    | 88     | 320    | 360    | 10     | 5 circuits           |
| 1 6319 25   | 310    | 430    | 88     | 320    | 460    | 10     | 8 circuits           |
| 1 6319 26   | 330    | 530    | 88     | 320    | 560    | 10     | 11 circuits          |

\*\*Minimum size for distributor cabinet. By using shut-off valves the size of distributor cabinet has to be dimensioned larger.

**☑ Spare parts:**

| Illustration  | Description                                       | Item number   |
|---|---|---|
|    | Handle & spindle                                  | 1 <b>6319 20</b>  |
|    | O-ring 23 x 2.5                                   | 1 <b>6319 21</b>  |
|    | Plug G3/4"<br>(*O-ring included)                  | 1 <b>6319 22</b>  |
|    | Closing nut G3/4"<br>(*Flat gasket included)      | 1 <b>6319 23</b>  |
|    | Straight ball valve with<br>free moving nut G3/4" | 1 <b>2221 02</b>  |
|   | Angle ball valve with<br>free moving nut G3/4"    | 1 <b>2224 22</b>  |
|  | Ball valve DN 20                                  | 1 <b>2211 12</b>  |
|  | Pipefix connectors                                | Plastic pipe connection<br>1 <b>6095 01</b> (G3/4 - 16 x 2)<br>1 <b>6095 02</b> (G3/4 - 20 x 2)<br>1 <b>6095 03</b> (G3/4 - 26 x 3)<br>1 <b>6095 04</b> (G1 - 26 x 3) |
|  | Copper pipe connectors                            | 1 <b>6276 18</b> (G3/4 - 18)  |
|  | Plastic cabinet model 320                         | 1 <b>6319 24</b>  |
|   | Plastic cabinet model 420                         | 1 <b>6319 25</b>  |
|   | Plastic cabinet model 520                         | 1 <b>6319 26</b>  |
|  | Plastic brackets                                  | 1 <b>6319 27</b>  |

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Scheme

