

## MANUR

### SINGLE BOILER MANIFOLDS *Series KR* FOR HEAT PUMPS



The compact manifold without valves for heat pumps of the MANUR brand represents important a simple system for individual connections of heating bodies in thermo-technics. It enables significant savings in the consumption of basic energy resources and in the operational costs of installing electric drives and thermostats. Boiler manifolds MANUR of the KR series are used in thermal substations for distributing/collecting the working medium (water, water/glycol mixtures) to consumers/from consumers to the substation. They consist of collapsible manifolds in high-quality black thermoplastic design. They are produced as individual components. Simple to install on site and is performed without tools, with a threaded connection using connection fittings. All the threads of standard manifolds are internal G threads ISO 228-1. The single manifold can have 2 to 8 heating/cooling circuits that can be connected to copper, steel, al-pex or PE-X pipes using compression fittings.

- Ability to connect systems with different temperature schedules, individual customer solutions
- Easier and faster creation of hydraulic calculations and specifications, low pressure drop.

| Series                     | KR             |      |        |        |
|----------------------------|----------------|------|--------|--------|
| Flow-max m <sup>3</sup> /h | 9              |      |        |        |
| Working pressure bar       | up to 4        |      |        |        |
| Working temperature °C     | up to 70       |      |        |        |
| Heat pump connections      | G 3/4"         | G 1" | G 5/4" | G 3/2" |
| Consumer connections       | 1/2", 3/4", 1" |      |        |        |
| Axis distance of ports mm  | 45, 60, 75     |      |        |        |

**Example, for the order, of marking the MANUR single boiler manifolds for heat pumps: KR-1-1/2 2A 5 5**

1 (3/4, 5/4, 3/2) - internal G thread of the heat pump connections

1/2 (3/4, 1) - internal G thread of the consumer connections

2 - number of input heat pump connections (A-axial; R-radial)

5 - number of bottom consumer connections

5 - number of upper consumer connections