

## UFH-0505CDE13: 13-Groups manifold composite, district heating ESSENT



### Commercial information

Composite manifold for both residential and non-residential construction. The solid structure of this manifold allows for easy installation. Double hollow chambers in the body offer excellent insulating properties. This manifold is fitted with flow controllers per group and offers the option to operate at higher flow rates with minimal loss of pressure. The outlet connections are 3/4" eurocone.

These plastic manifolds offer the following advantages:

- Highly suitable for both heating and cooling
- Meets Essent requirements
- Top-quality pump included
- Suitable for PN6 installations
- Cooling without condensation

#### Basic unit dimensions

|            |           |
|------------|-----------|
| Height     | 520 mm    |
| Length     | 945 mm    |
| Width      | 165 mm    |
| Net weight | 13.400 kg |

#### Certificates

#### Applications

Heating, Cooling, Underfloor Heating

#### Solutions

Underfloor heating, Building installations, Industry, Energy/district heating, Utility

## Technical characteristics

|                                       |                                                |                                                |                       |
|---------------------------------------|------------------------------------------------|------------------------------------------------|-----------------------|
| Connection type primary side          | 2-pipe                                         | Outer pipe diameter primary connection         | 32 Millimetre         |
| Suitable for cooling                  | ✓                                              | Medium temperature (continuous)                | 10 60 Degrees celsius |
| Material                              | Plastic                                        | Max. operating pressure                        | 6 Bar                 |
| Position primary connection           | Atop                                           | Max. number of expansion groups                | 0                     |
| Primary connection                    | Internal thread cylindrical BSPP-G (ISO 228-1) | Supply voltage                                 | 230 Volt              |
| Nominal diameter primary connection   | 3/4 inch (20)                                  | Number of groups secondary                     | 13                    |
| With valves on primary connection     | ✓                                              | Outer pipe diameter secondary                  | 12 20 Millimetre      |
| With mixing valve                     | ✓                                              | Flow-through capacity                          | 0 5 Litre per hour    |
| Expandable                            | ✗                                              | Min. pressure difference secondary flow/return | 0 Kilo Pascal         |
| Multi-zone manifold                   | ✗                                              | Width                                          | 165 Millimetre        |
| With temperature limit                | ✓                                              | Height                                         | 520 Millimetre        |
| With non-return valve                 | ✓                                              | Depth                                          | 945 Millimetre        |
| With circulation pump                 | ✓                                              |                                                |                       |
| Type of pump (system pump)            | AC                                             |                                                |                       |
| Article compression class             | PN 6                                           |                                                |                       |
| With controller                       | ✓                                              |                                                |                       |
| Hydraulic balance control             | Static                                         |                                                |                       |
| Volume flow measurement               | Analogue                                       |                                                |                       |
| With thermometer                      | ✓                                              |                                                |                       |
| Temperature measurement supply        | Analogue                                       |                                                |                       |
| Temperature measurement return        | Analogue                                       |                                                |                       |
| With de-aeration                      | ✓                                              |                                                |                       |
| With pressure gauge                   | ✗                                              |                                                |                       |
| Secondary connection                  | Euroconus standardless                         |                                                |                       |
| Nominal diameter secondary connection | 3/4 inch (20)                                  |                                                |                       |
| Closable groups                       | ✓                                              |                                                |                       |
| With flow-through indicator           | ✓                                              |                                                |                       |
| With thermal actuator                 | ✓                                              |                                                |                       |
| With wall-mounting bracket            | ✓                                              |                                                |                       |
| With casing                           | ✗                                              |                                                |                       |