

# Product data sheet Spirotech

## Product name

**ETCM Duo-9.4 max 23,5bar**

## Product properties

The TopControl Modular DUO is an automatic expansion and pressure-maintaining device. The unit contains 2 VFD pumps (2x 50%) and an electronically controlled overflow valve. A separate EP storage tank is required.

- 2 VFD pumps (2x 50%)
- 1 electronically controlled overflow valve (1x 100%)
- At least 1 unpressurized expansion vessel needs to be added
- Operational pressure range up to 8.4 to 23.5 bar
- The maximum temperature at the point of connection: 70°C (over 70°C possible with auxiliary tank)
- Maximum safety temperature in the system: 110°C
- Maximum operating pressure (PN): 10 to 25 bar

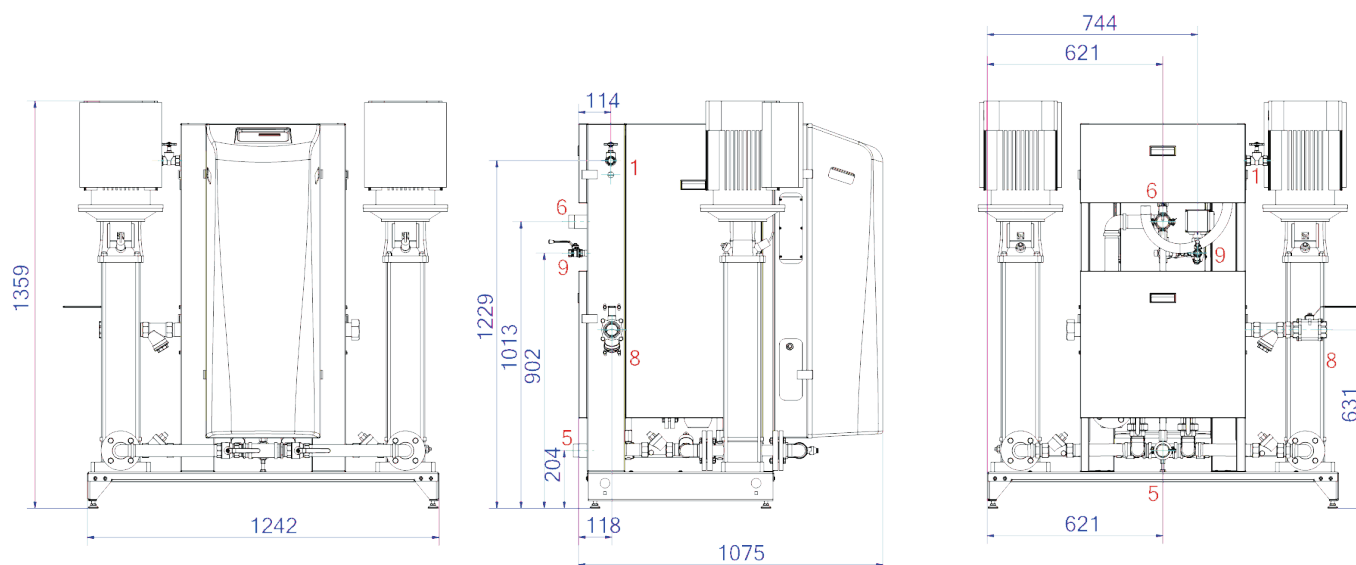
## Article number

**ETCM-D9.4-23.5**

## Product image



## Product dimensions



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## ETIM product data

|                                |           |
|--------------------------------|-----------|
| Height                         | 1359 mm   |
| Max. operating pressure        | 23.5 bar  |
| Connection                     | Other     |
| Power consumption              | 6.2 kW    |
| Couplable                      | Yes       |
| Electrical connection          | Terminals |
| Function master/slave          | No        |
| With pressure expansion vessel | No        |
| Digital control unit           | Yes       |
| Double pump/compressor unit    | Yes       |

|                                       |                 |
|---------------------------------------|-----------------|
| With exchangeable membrane            | No              |
| Compressor in base                    | No              |
| Nominal diameter expansion connection | 1 1/2 inch (40) |
| Max. medium temperature (continuous)  | 70 °C           |
| For heating systems up to             | 1 MW            |
| Horizontal positioning                | No              |
| Connection voltage                    | 400 V           |
| Article compression class             | PN 25           |
| Operating principle                   | Pump            |

### Disclaimer

This product sheet has been compiled with the greatest possible care. Nevertheless, it may contain errors or omissions. For the most current and correct information we refer you to our website.

