# Product data sheet Spirotech

## Product name

**SpiroCombi -DN80 -Flange -HiFlow**

## Article number

**HC080F**

## Product properties

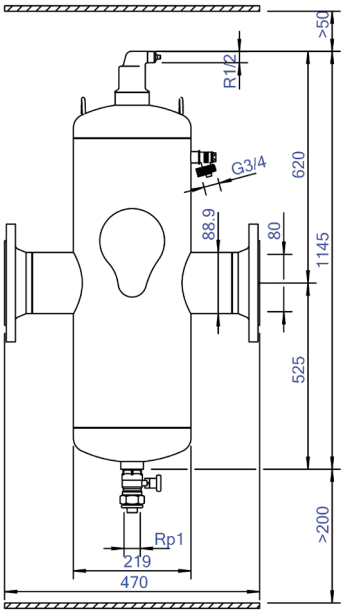
A steel (microbubble) deaerator and dirt separator for high flow rate (3 m/s) with a DN50 - DN300 PN16 flange connection

- Applicable for high flow rate systems (3 m/s)
- Applicable with 50/50 Ethylene Glycol / Water (Volume)
- Combined separation system - removes circulating air and microbubbles effectively
- Improve cost control and energy efficiency
- Very small particles, from 5 µm (= 0.005 mm), are separated and removed
- Dirt can be discharged while the system is in operation
- No shut-off valves or bypass required
- Constant low pressure drop
- PN16 flange connections
- Connection diameters from DN50 - DN300, larger connection diameters on request
- Exceptional guarantee

## Product image



## Product dimensions



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## ETIM product data

| | |
|---|---|
| **Housing material** | Steel |
| **With drain tap** | Yes |
| **Housing material quality** | St 37 (1.0254) |
| **Backwash filter** | No |
| **Medium temperature (continuous)** | 0 - 110 °C |
| **Max. operating pressure** | 10 bar |
| **Kvs value** | 153.4 $m^3/h$ |
| **Variable flow direction** | Yes |
| **With insulation** | No |
| **Separator type** | Air/dirt |
| **Connection** | Flange |
| **Model** | Horizontal |
| **Nominal diameter** | DN 80 |
| **Max. glycol mixture** | 50 % |
| **Suitable for heating** | Yes |
| **Suitable for cooling** | Yes |
| **Construction length** | 470 mm |

| | |
|---|---|
| **Article pressure rating** | PN 10 |
| **Suitable for open system** | No |
| **Suitable for closed system** | Yes |
| **Suitable for solar** | No |
| **With dismountable filter** | No |
| **Filter volume** | 37 l |
| **Magnet operating principle** | No |
| **With automatic de-aerator** | Yes |
| **Cleaning possible during operation** | Yes |
| **With couplers** | No |
| **Inlet/outlet offset distance** | 0 mm |
| **Material of connection** | Steel |
| **Flow-through capacity** | 0 - 54 $m^3/h$ |
| **Flange standard** | DIN |
| **Surface protection housing** | Lacquered |
| **Flange pressure rating (PN)** | PN 16 |

**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.