

# SPIROTECH SPECIFICATION SHEET



Product: SpiroCombi Magnet  
DN80 Flanged end

Type:  
Date:

BC080FM  
12/21/2020

Customer:   
Project:   
Reference:

## Design criteria

|                     |                          |                   |
|---------------------|--------------------------|-------------------|
| Medium:             | Water / glycol (max 50%) |                   |
| Nom. flow velocity: | 1.5                      | m/s               |
| Nom. flow rate:     | 27.0                     | m <sup>3</sup> /h |
| Max. pressure:      | 10                       | bar-g             |
| Max. temperature:   | 110                      | °C                |
| Δp at nom. flow:    | 3.1                      | kPa               |
| Design standard:    | EN 13445                 |                   |

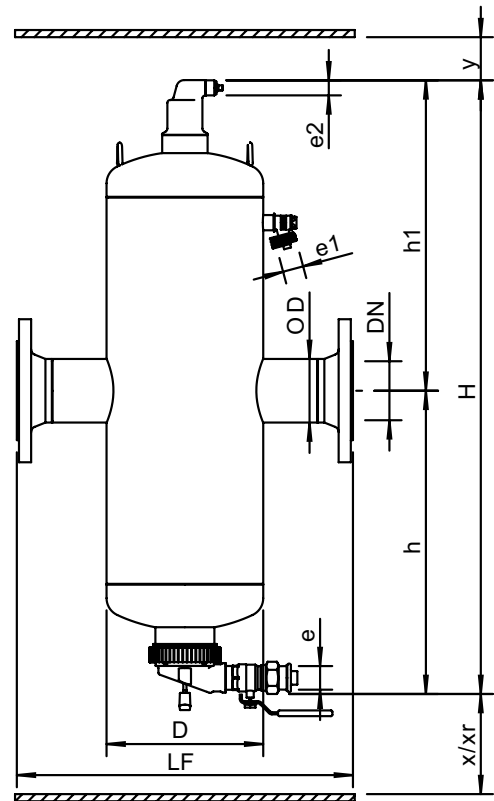
## Testing and quality assurance

|                                           |     |
|-------------------------------------------|-----|
| Test pressure (bar):                      | 7   |
| Test medium:                              | Air |
| Test certificate:                         | no  |
| Design and manufacturing acc. 2014/68/EU: | yes |
| Material certificates (structural parts): | no  |
| Drawing:                                  | no  |
| Weld procedures:                          | no  |
| Nondestructive Testing (X-ray: 10%):      | no  |
| Notified body inspection:                 | no  |

## Construction materials

|                           |                    |
|---------------------------|--------------------|
| Body:                     | S235 JR G2 (St.37) |
| Connections:              | S235 JR G2 (St.37) |
| Fittings:                 | S235 JR G2 (St.37) |
| Flanges (EN 1092-1 PN16): | P250GH             |
| Heads:                    | S235 JR G2 (St.37) |
| Deaeration cap:           | Brass              |
| Valve sealing:            | Viton              |
| Float:                    | PP                 |
| Spirotube Tube:           | S235 JR G2 (St.37) |
| Spirotube Wire:           | Copper             |
| Spirotube Solder:         | Tin(SnCu3)         |
| Paint:                    | Standard           |
| Color:                    | Yellow (RAL 1003)  |
| Dry Pocket:               | Copper, Brass      |
| Magnet:                   | Neodymium          |
| Drain valve:              | Nickeled brass     |

## Drawing



## Dimensions

|     |         |
|-----|---------|
| DN: | 80      |
| OD: | 88.9 mm |
| H:  | 858 mm  |
| h:  | 424 mm  |
| h1: | 434 mm  |
| D:  | 219 mm  |
| LF: | 470 mm  |
| e:  | Rp1     |
| e1: | G3/4    |
| e2: | R1/2    |
| x:  | >100 mm |
| y:  | >50 mm  |
| xr: | >310 mm |

Volume: 17 ltr  
Dry weight (approx): 31 kg

Subject to changes