

# HCF STANDARD SERIES

## Bobbin wound filter equipment



Filter 2.5 bar  
Filtration bed height: 1 m

### Bobbin Filters Range

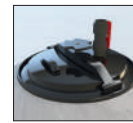
- All our commercial filters are supplied with basic options and additional options may be ordered
- For each type of technology, a wide choice of sizes, filtration speeds and pressure resistances are available

#### STANDARD FEATURES

- Lifting lugs (Lifting process only available with empty filter)
- Top manhole
- Pressure gauge with maximum pressure indicator and operating pressure monitoring
- Arm collectors



Lifting lugs



New top manhole Noryl®

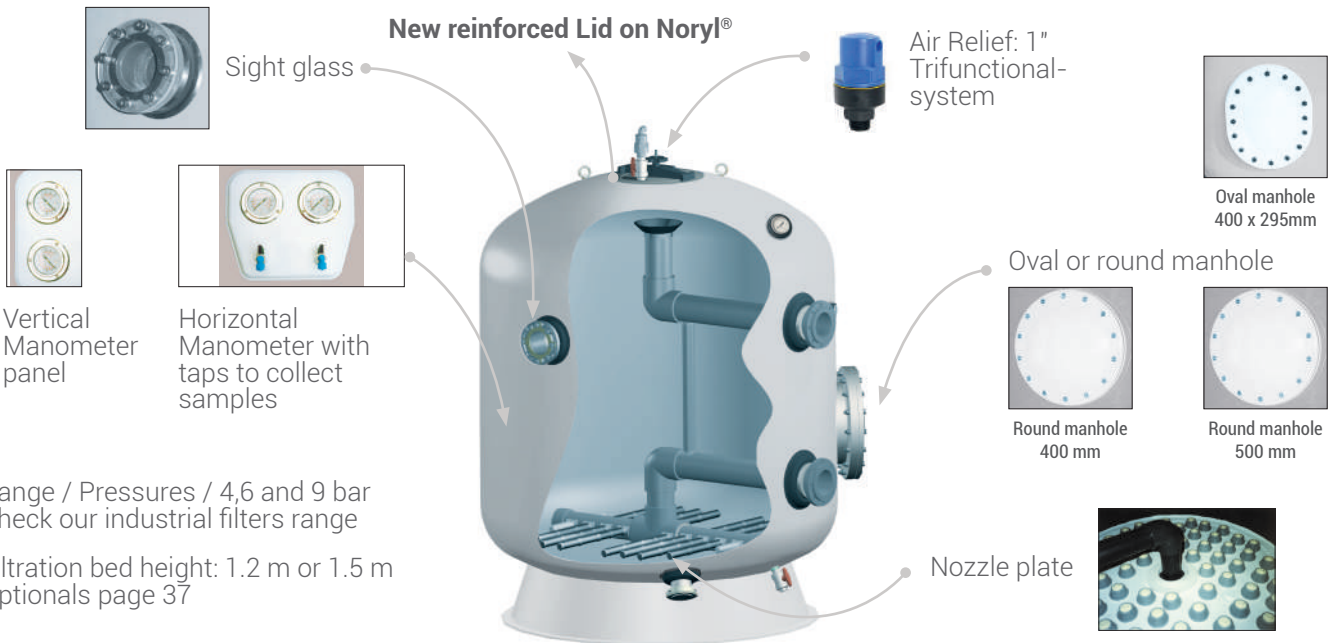


Pressure gauge



Arm collectors

#### OPTIONS ON REQUEST:



Range / Pressures / 4,6 and 9 bar  
Check our industrial filters range

Filtration bed height: 1.2 m or 1.5 m  
Optionals page 37

| Options under request | Diameters bobbin wound filters                        |       |       |       |      |   |       |       |       |       |
|-----------------------|---|-------|-------|-------|------|---|-------|-------|-------|-------|
|                       | 1 050   | 1 200 | 1 400 | 1 600 | 1800 | 2 000   | 2 200 | 2 350 | 2 500 | 3 000 |
|                       | Oval manhole 400 x 295 mm                             |       |       |       |      | Manhole 400 mm<br>Connections: 225-250- Manhole: 500 mm |       |       |       |       |
|                       | Sight glass 90 mm                                     |       |       |       |      | Sight glass 125 mm                                      |       |       |       |       |
|                       | Nozzle plate*<br>1.2 m bed height<br>1.5 m bed height |       |       |       |      |   |       |       |       |       |

#### Optional accessories under request

|              |  |
|--------------|--|
| 21301000300  | 1"- Tri-functional air relief  |
| 210350025000 | Horizontal manometer panel 0-6 bar MP 25 (included with the Hayward batteries) |
| 210350024000 | Vertical manometer panel 0-6 bar MP 24   |
| 210350060000 | Vertical manometer panel 0-10 bar MP 26  |

\* only 1,2 or 1,5 height bed bobbin filters

# HCF STANDARD SERIES

## Bobbin-wound filters

**5**

YEARS OF WARRANTY

**NEW LID**

**MADE IN EU**



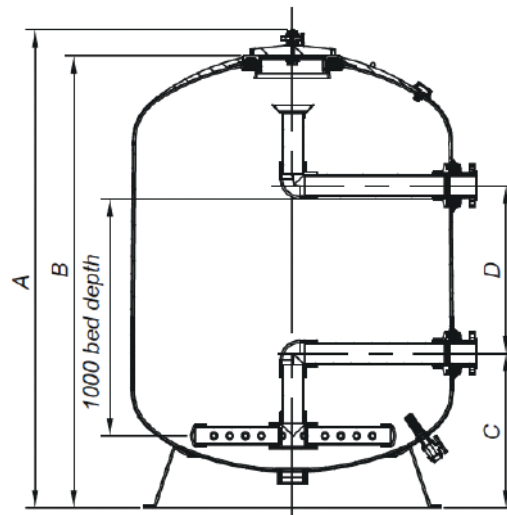
### Bobbin-wound Filters

- Sand filters made from bobbin-wound glass-fibre yarn impregnated with polyester resin (GFRP technology)
- Wide range: diameter from 1 050 mm to 3 000 mm
- Operating pressure: 0.5 to 2.0 bar
- Maximum Pressure: 2.5 bar
- Filtration bed depth: 1 m
- Testing pressure: 3.75 kg/cm<sup>2</sup>
- Large opening on top for easy maintenance 400 x 300 mm
- Arm collector as standard
- Sand outlet 63 or 90 mm in diameter, water drain 1"
- Ball valve for air relief
- Uses: very large pools, water parks, industrial water treatment

- ▶ **Wide range of diameters: 1 050 mm to 3 000 mm**
- ▶ **Filtration bed depth: 1.2 and 1.5 meters on request.**
- ▶ **Nozzle plate on request.**

**Dimensions 1 meter bed depth - arm collector**

| D Ø (mm)                              | 1 050       | 1 200       | 1 400       | 1 600       | 1 800          | 2 000           | 2 200           | 2 350           | 2 500           | 3 000           |
|---------------------------------------|-------------|-------------|-------------|-------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Flanges Ø (mm)                        | 63/75/90    | 75/90       | 75/90/110   | 90/110/125  | 90/110/125/140 | 110/125/140/160 | 125/140/160/200 | 125/140/160/200 | 140/160/200/225 | 160/200/225/250 |
| Filtration height (m)                 | 1           | 1           | 1           | 1           | 1              | 1               | 1               | 1               | 1               | 1               |
| A (mm)                                | 1 816       | 1 816       | 1 816       | 1 916       | 1 956          | 2 060           | 2 135           | 2 376           | 2 700           | 2 870           |
| B (mm)                                | 1 680       | 1 680       | 1 680       | 1 780       | 1 820          | 1 920           | 2 005           | 2 240           | 2 560           | 2 735           |
| C (mm)                                | 625         | 630         | 630         | 720         | 750            | 770             | 850             | 940             | 1 080           | 1 175           |
| D (mm)                                | 550         | 550         | 550         | 490         | 440            | 490             | 420             | 500             | 550             | 550             |
| Filtration area (m <sup>2</sup> )     | 0.86        | 1.13        | 1.54        | 2.01        | 2.54           | 3.14            | 3.80            | 4.33            | 4.90            | 7.07            |
| Volume (L)                            | 1 145       | 1 462       | 1 912       | 2 609       | 3 527          | 4 295           | 5 280           | 7 006           | 8 752           | 13 960          |
| Gravel 1-2 (kg) / Sand 0.4 - 0.8 (kg) | 150 / 1 150 | 200 / 1 525 | 325 / 2 075 | 450 / 2 725 | 575 / 3 450    | 1 000 / 4 250   | 1 000 / 4 925   | 1 600 / 5 850   | 1 700 / 6 625   | 2 800 / 9 500   |
| Glass (kg)                            | 1 180       | 1 560       | 2 160       | 2 860       | 3 640          | 4 740           | 5 280           | 6 700           | 7 500           | 11 080          |



# HCF STANDARD SERIES

## Bobbin-wound filters

| Reference        | Diameter (mm) | Connection (mm) | Flow rate (m <sup>3</sup> /h) | Filtration area (m <sup>2</sup> ) | Unassembled manual Batteries Reference | Speed (m <sup>3</sup> /h/m <sup>2</sup> ) |
|------------------|---------------|-----------------|-------------------------------|-----------------------------------|--|---|
| HCFF40632WVA     | 1 050         | 63              | 17                            | 0.86                              | HCB634UN                               | 20  |
| HCFF47752WVA     | 1 200         | 75              | 22                            | 1.13                              | HCB754UN                               |   |
| HCFF55752WVA     | 1 400         | 75              | 30                            | 1.54                              | HCB754UN                               |   |
| HCFF63902WVA     | 1 600         | 90              | 40                            | 2.01                              | HCB904UN                               |   |
| HCFF70902WVA     | 1 800         | 90              | 50                            | 2.54                              | HCB904UN                               |   |
| HCFF791102WVA    | 2 000         | 110             | 62                            | 3.14                              | HCB1104UN                              |   |
| HCFF861252WVA    | 2 200         | 125             | 76                            | 3.8                               | HCB1254UN                              |   |
| HCFF921252WVA    | 2 350         | 125             | 87                            | 4.33                              | HCB1254UN                              |   |
| HCFF981402WVA    | 2 500         | 140             | 100                           | 4.9                               | HCB1404UN                              |   |
| HCFF1181602WVA   | 3 000         | 160             | 140                           | 7.07                              | HCB1604UN                              |   |
| HCFF40752WVA     | 1 050         | 75              | 25                            | 0.86                              | HCB754UN                               | 30  |
| HCFF47752WVA     | 1 200         | 75              | 33                            | 1.13                              | HCB754UN                               |   |
| HCFF55902WVA     | 1 400         | 90              | 46                            | 1.54                              | HCB904UN                               |   |
| HCFF631102WVA    | 1 600         | 110             | 60                            | 2.01                              | HCB1104UN                              |   |
| HCFF701102WVA    | 1 800         | 110             | 76                            | 2.54                              | HCB1104UN                              |   |
| HCFF791252WVA    | 2 000         | 125             | 94                            | 3.14                              | HCB1254UN                              |   |
| HCFF861402WVA    | 2 200         | 140             | 114                           | 3.8                               | HCB1404UN                              |   |
| HCFF921402WVA    | 2 350         | 140             | 130                           | 4.33                              | HCB1404UN                              |   |
| HCFF981602WVA    | 2 500         | 160             | 150                           | 4.9                               | HCB1604UN                              |   |
| HCFF1182002WVA   | 3 000         | 200             | 212                           | 7.07                              | HCB2004UN                              |   |
| HCFF40752WVA     | 1 050         | 75              | 34                            | 0.86                              | HCB754UN                               | 40  |
| HCFF47902WVA     | 1 200         | 90              | 45                            | 1.13                              | HCB904UN                               |   |
| HCFF551102WVA    | 1 400         | 110             | 61                            | 1.54                              | HCB1104UN                              |   |
| HCFF631102WVA    | 1 600         | 110             | 80                            | 2.01                              | HCB1104UN                              |   |
| HCFF701252WVA    | 1 800         | 125             | 101                           | 2.54                              | HCB1254UN                              |   |
| HCFF791402WVA    | 2 000         | 140             | 125                           | 3.14                              | HCB1404UN                              |   |
| HCFF861602WVA    | 2 200         | 160             | 152                           | 3.8                               | HCB1604UN                              |   |
| HCFF921602WVA    | 2 350         | 160             | 175                           | 4.33                              | HCB1604UN                              |   |
| HCFF982002WVA    | 2 500         | 200             | 200                           | 4.9                               | HCB2004UN                              |   |
| HCFF1182252WVAM* | 3 000         | 225             | 282                           | 7.07                              | HCB2254UN                              |   |
| HCFF40902WVA     | 1 050         | 90              | 43                            | 0.86                              | HCB904UN                               | 50  |
| HCFF47902WVA     | 1 200         | 90              | 56                            | 1.13                              | HCB904UN                               |   |
| HCFF551102WVA    | 1 400         | 110             | 77                            | 1.54                              | HCB1104UN                              |   |
| HCFF631252WVA    | 1 600         | 125             | 100                           | 2.01                              | HCB1254UN                              |   |
| HCFF701402WVA    | 1 800         | 140             | 125                           | 2.54                              | HCB1404UN                              |   |
| HCFF791602WVA    | 2 000         | 160             | 157                           | 3.14                              | HCB1604UN                              |   |
| HCFF862002WVA    | 2 200         | 200             | 190                           | 3.8                               | HCB2004UN                              |   |
| HCFF922002WVA    | 2 350         | 200             | 217                           | 4.33                              | HCB2004UN                              |   |
| HCFF982252WVAM*  | 2 500         | 225             | 250                           | 4.9                               | HCB2254UN                              |   |
| HCFF1182502WVAM* | 3 000         | 250             | 353                           | 7.07                              | HCB2504UN                              |   |

Automatic batteries under request: Pneumatic or Electric actuators available - Unassembled or assembled on demand  
 \* Only possible to provide with lateral manhole D 500 mm