

# SISTEME DE FILTRARE HELIX AUTOMATIC

## - SERIA 400 -

### Domeniu de aplicare

Filtrele automate asigura filtrarea eficienta a apelor de suprafata cu continut ridicat de suspensii.

Sistemele de filtrare HELIX ofera solutia perfecta intr-o multitudine de aplicatii, unde este necesara filtrarea mecanica continua a apei in cele mai diverse domenii (apa de racire, ind. metalurgica, ind. chimica, ind. alimentara, tratarea si filtrarea apei).

### Avantaje

- functionare complet automata;
- finete de filtrare predefinita;
- capacitate mare de filtrare;
- fiabilitate mare cu intretinere usoara;
- operare usoara si simpla;
- volum mic de apa necesar la spalarea inversa.

### Caracteristici constructive

- debit max. 1,152 m<sup>3</sup>/h;
- nr. unitati filtrare 4 – 12;
- suprafata de filtrare max. 53,712 cm<sup>2</sup>;
- conducte principale HDPE / Metal;
- configuratie - standard (water pilot);  
- optional (air pilot);
- tensiune controler 220Vca / 24 Vcc.

#### CARACTERISTICI FILTRARE / Unitate de filtrare

| Calitate apa bruta | micron mesh | Finete filtrare |     |     |    |    |
|--------------------|-------------|-----------------|-----|-----|----|----|
|                    |             | 200             | 130 | 100 | 50 | 20 |
| BUNA               | mc/h        | 108             | 95  | 69  | 51 | 27 |
| MEDIE              | mc/h        | 95              | 89  | 60  | 42 | 21 |
| PROASTA            | mc/h        | 77              | 71  | 54  | 30 | 15 |
| FOARTE PROASTA     | mc/h        | 47              | 42  | 36  | 21 | 9  |

#### CARACTERISTICI SPALARE INVERSA

|                                     | 200 µm<br>130 µm | 100 µm   | 50 µm<br>20 µm |
|-------------------------------------|------------------|----------|----------------|
| Presiune minima de spalare / filtru | 2.8 bari         | 3.5 bari | 4 bari         |
| Debit minim de spalare / filtru     | 7.5 l/s          | 9.3 l/s  | 9.9 l/s        |



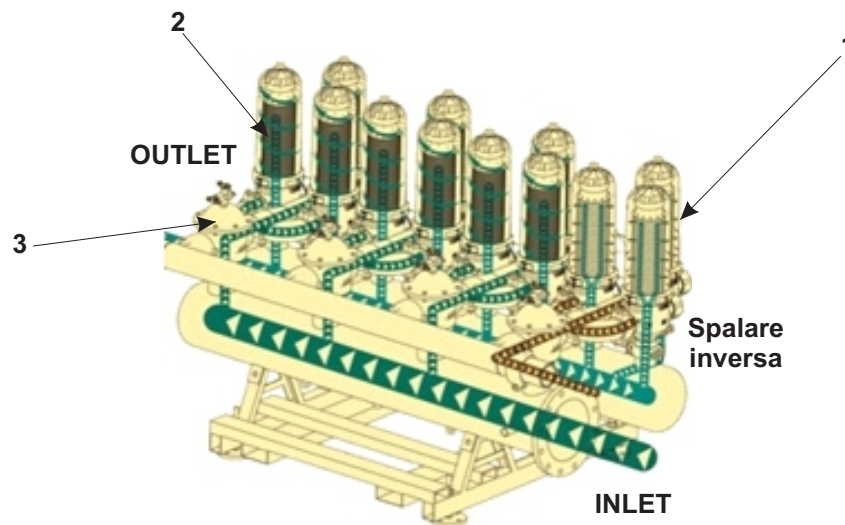
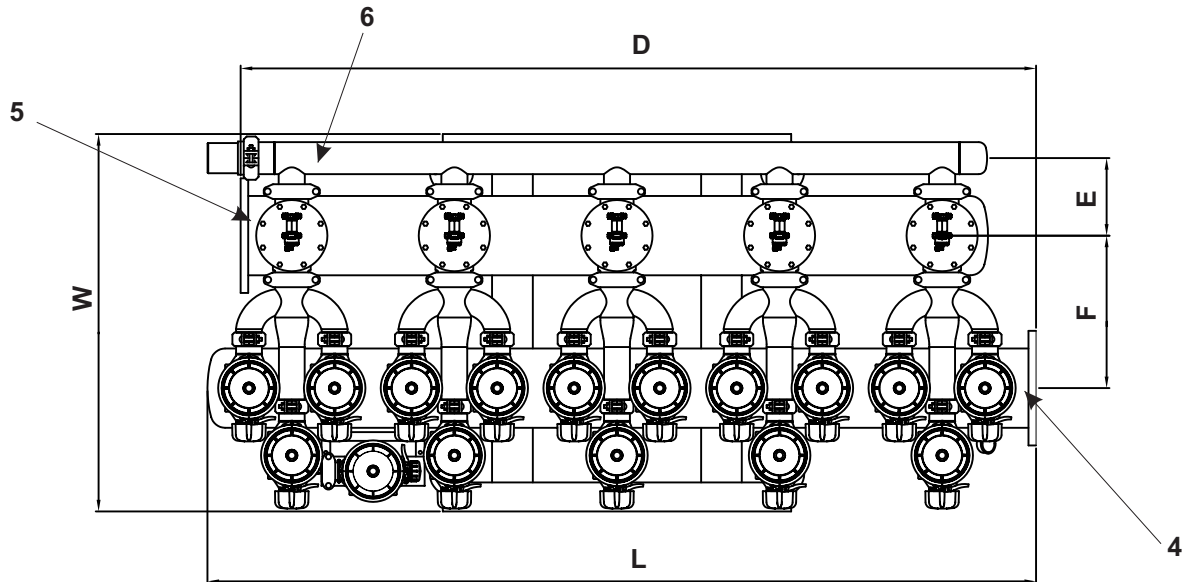
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### Componenta

1. Corp filtru
2. Cartus filtrant tip pachet de discuri
3. Valve automate hidropneumatice

4. Conducta magistrala de intrare
5. Conducta magistrala de iesire
6. Conducta de drenaj



### Caracteristici tehnice

| Model  | Construcție |                                |                                       |
|--------|-------------|--------------------------------|---------------------------------------|
|        | Nr. filtre  | Dimensiune conducta principala | Suprafata filtrare [cm <sup>2</sup> ] |
| 404/8  | 4 x 4"      | 10" - DN250 (P)                | 17,904                                |
| 405/10 | 5 x 4"      | 10" - DN250 (P)                | 22,380                                |
| 406/10 | 6 x 4"      | 10" - DN250 (M)                | 26,856                                |
| 40/12  | 7 x 4"      | 10" - DN250 (M)                | 31,332                                |
| 408/12 | 8 x 4"      | 12" - DN300 (M)                | 35,808                                |
| 409/12 | 9 x 4"      | 12" - DN300 (M)                | 40,284                                |
| 410/12 | 10 x 4"     | 12" - DN300 (M)                | 44,760                                |
| 411/12 | 11 x 4"     | 12" - DN300 (M)                | 49,236                                |
| 412/12 | 12 x 4"     | 12" - DN300 (M)                | 53,712                                |

| Model  | Dimensiuni [mm] |     |      |      |      |     |     |      |
|--------|-----------------|-----|------|------|------|-----|-----|------|
|        | F               | E   | D    | L    | W    | R   | S   | H    |
| 404/8  | 525             | 269 | 2222 | 2362 | 1300 | 782 | 450 | 1371 |
| 405/10 | 525             | 269 | 2782 | 2922 | 1300 | 782 | 450 | 1371 |
| 406/10 | 525             | 269 | 3348 | 3453 | 1300 | 793 | 450 | 1382 |
| 40/12  | 525             | 269 | 3908 | 4013 | 1300 | 793 | 450 | 1382 |
| 408/12 | 525             | 269 | 4468 | 4584 | 1350 | 819 | 450 | 1408 |
| 409/12 | 525             | 269 | 5028 | 5144 | 1350 | 819 | 450 | 1408 |
| 410/12 | 525             | 269 | 5588 | 5704 | 1350 | 819 | 450 | 1408 |
| 411/12 | 525             | 269 | 6148 | 6264 | 1350 | 819 | 450 | 1408 |
| 412/12 | 525             | 269 | 6708 | 6824 | 1350 | 819 | 450 | 1408 |