



# BASKET

Stainless steel filter with basket



**MAX  
PRESSURE**  
10 bar



**FILTRATION  
DEGREE**  
55-5000 micron



**MAX FLOW  
RATE**  
30-600 m<sup>3</sup>/h



**FILTER  
TYPE**  
Manual

## TYPE



MANUAL

## CLEANING



BY OPERATOR

## CHARACTERISTICS

MAGNETIC  
KITDIFFERENTIAL  
PRESSURE KIT

## APPLICATION



INDUSTRY

SEA WATER  
TREATMENT

MUNICIPALITIES

POOLS  
& SPORTWASTE WATER  
TREATMENT

## GASKET

Lid gasket in EPDM or, alternatively, in NBR. Also available in VITON, PTFE, SILICON or GRAPHITE for special applications.

## VENT VALVE

Manual vent valve in brass or AISI 316L stainless steel included as standard in all models.

## SPACER

Basket-press spacer with AISI 304L or 316L stainless steel handle.

## IN &gt;

Raw water inlet.

## OUT &gt;

Filtered water outlet.

## MANOMETER

Inlet-outlet manometer included as standard for pressure visual check.

## FILTRATION ELEMENT

AISI 316L / DUPLEX SAF 2205 stainless steel filtration basket equipped with "Rapid Press" handle.

## DRAIN VALVE

Manual drain valve in brass or AISI 316L stainless steel placed downstream of filtration element to empty filter or recover filtered materials in case of routine or extraordinary maintenance.

**\*Non-standard features available upon request.**

The company reserves the right to make partial or total changes to products without prior notice and declines all liability.

## TECHNICAL SPECIFICATIONS

## BASKET

### GENERAL DATA

| FILTER SIZE       | /20                                                       | /35                    | /40P                    | /50                     | /80                     |
|-------------------|-----------------------------------------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| MAX FLOW RATE     | 60 m³/h<br>264 US gpm                                     | 130 m³/h<br>572 US gpm | 400 m³/h<br>1761 US gpm | 500 m³/h<br>2201 US gpm | 600 m³/h<br>2641 US gpm |
| FILTRATION AREA   | 2200 cm²<br>341 in²                                       | 3300 cm²<br>512 in²    | 5400 cm²<br>837 in²     | 6800 cm²<br>1100 in²    | 8100 cm²<br>1256 in²    |
| FILTRATION DEGREE | 5000 - 3000 - 2000 - 1000 - 800 - 400 - 200 - 110 - 55 µm |                        |                         |                         |                         |
| MAX PRESSURE      | 10 bar (145 psi)                                          |                        |                         |                         |                         |
| MAX TEMPERATURE   | 90°C (176° F)                                             |                        |                         |                         |                         |
| SALINITY          | < 10.000 PPM TDS                                          |                        |                         |                         |                         |
| ACIDITY           | pH 3 ÷ 9                                                  |                        |                         |                         |                         |

### FILTRATION ELEMENT

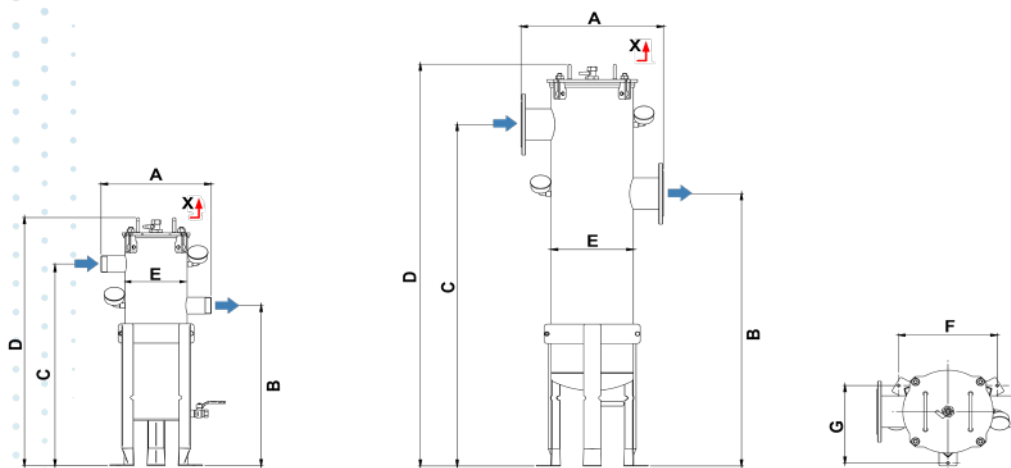
|                 |                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------|
| FILTRATION MESH | Double layer mesh REPS basket (AISI 316L stainless steel)<br>Basket with micro-perforated single-layer mesh |
| BASKET GASKETS  | EPDM / NBR / VITON / PTFE / SILICON / GRAPHITE                                                              |

### MATERIALS

|                   |                                                |
|-------------------|------------------------------------------------|
| FILTER BODY       | AISI 304L / AISI 316L / DUPLEX SAF2205         |
| LID               | AISI 304L / AISI 316L / DUPLEX SAF2205         |
| BODY SUPPORT      | AISI 304L                                      |
| FILTRATION BASKET | AISI 316L / DUPLEX SAF2205                     |
| GASKETS           | EPDM / NBR / VITON / PTFE / SILICON / GRAPHITE |
| SURFACE TREATMENT | Pickling                                       |

### ON REQUEST

- Other filtration degrees;
- Other constructive pressures.



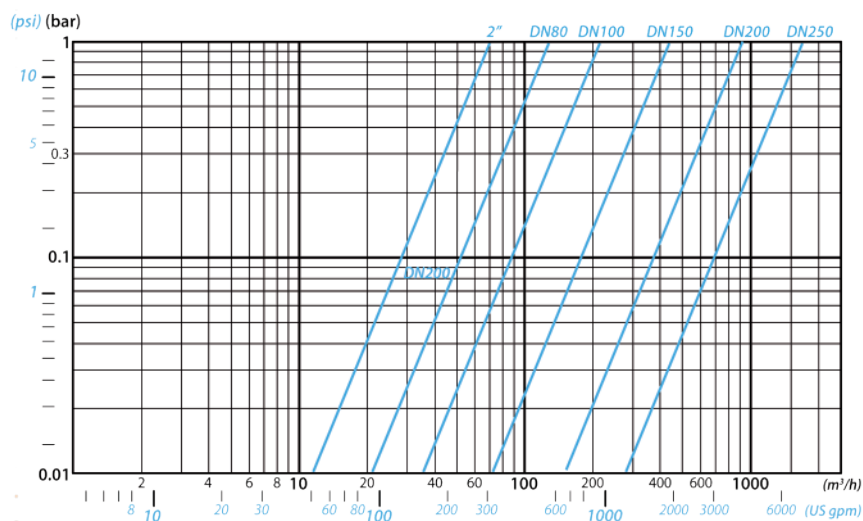
| MODEL | IN/OUT  | DRAIN  | FILTRATION AREA |      | Qmax* |        | DIMENSIONS (mm) |                    |     |      |       |      |     |     |     |      | WEIGHT**<br>kg |
|-------|---------|--------|-----------------|------|-------|--------|-----------------|--------------------|-----|------|-------|------|-----|-----|-----|------|----------------|
|       |         |        | cm²             | in²  | m³/h  | US gpm | A               | Range legs (B/C/D) |     |      |       | E    | F   | G   | X   |      |                |
|       |         |        |                 |      |       |        |                 | B                  | C   | D    | range |      |     |     |     |      |                |
| Z     | 2"/20   | 2"BSPP | ½"BSPP          | 2200 | 341   | 30     | 132             | 366                | 515 | 665  | 835   | +100 | 206 | 362 | 314 | 700  | 27             |
|       | 80/20   | DN80   | ½"BSPP          | 2200 | 341   | 60     | 264             | 406                | 515 | 665  | 835   | +100 | 206 | 362 | 314 | 700  | 32             |
|       | 2"/35   | 2"BSPP | 1"BSPP          | 3300 | 512   | 30     | 132             | 473                | 670 | 920  | 1140  | +50  | 273 | 421 | 365 | 700  | 38             |
|       | 80/35   | DN80   | 1"BSPP          | 3300 | 512   | 60     | 264             | 473                | 670 | 920  | 1140  | +50  | 273 | 421 | 365 | 700  | 41             |
|       | 100/35  | DN100  | 1"BSPP          | 3300 | 512   | 130    | 572             | 473                | 670 | 920  | 1140  | +50  | 273 | 421 | 365 | 700  | 42             |
|       | 100/40P | DN100  | 1"BSPP          | 5400 | 837   | 140    | 616             | 473                | 950 | 1200 | 1420  | +50  | 273 | 421 | 365 | 1000 | 50             |
|       | 150/40P | DN150  | 1"BSPP          | 5400 | 837   | 250    | 1100            | 473                | 950 | 1200 | 1435  | +50  | 273 | 421 | 365 | 1000 | 62             |
|       | 200/40P | DN200  | 1"BSPP          | 5400 | 837   | 400    | 1761            | 473                | 940 | 1240 | 1510  | +50  | 273 | 390 | 390 | 1000 | 78             |
|       | 200/50  | DN200  | 1"BSPP          | 6800 | 1100  | 450    | 1981            | -                  | 575 | 1425 | 1720  | +10  | 273 | 390 | 390 | 1200 | 85             |
|       | 250/50  | DN250  | 1"BSPP          | 6800 | 1100  | 500    | 2201            | 524                | 695 | 1545 | 1860  | 0    | 324 | 420 | 420 | 1200 | 96             |
|       | 200/80  | DN200  | 1"BSPP          | 8100 | 1256  | 450    | 1981            | 556                | 720 | 1570 | 1910  | 0    | 356 | 420 | 420 | 1200 | 103            |
|       | 250/80  | DN250  | 1"BSPP          | 8100 | 1256  | 600    | 2641            | 556                | 720 | 1570 | 1910  | 0    | 356 | 420 | 420 | 1200 | 110            |

Dimensions are indicative. We advise to contact SATI technical support for further information.

\* Qmax flow rates are referred to filters with 120 µm filtration degree and 20 °C, NTU <1 water.

\*\* Weight excluding automation and packaging.

## PRESSURE LOSS



Pressure drop is referred to filters with 120 µm filter mesh and clean water.