



# MINI BASKET

Filter with basket



**MAX  
PRESSURE**  
10 bar



**FILTRATION  
DEGREE**  
1500-5000  $\mu\text{m}$



**MAX FLOW  
RATE**  
20-450  $\text{m}^3/\text{h}$



**FILTER  
TYPE**  
Manual

## GENERAL CHARACTERISTICS

## MINI BASKET

### TYPE



MANUAL

### CLEANING



BY OPERATOR

### CHARACTERISTICS



QUICK LOCK



POTABLE  
WATER\*

### APPLICATIONS



HVAC/R



FOOD &  
BEVERAGE



INDUSTRY



WASTE WATER  
TREATMENT

### BODY

Robust AISI 304L or AISI 316L stainless steel body. Welded flat bottom. Pickling surface treatment. Special executions on request: Body in DUPLEX SAF2205 or SUPERDUPLEX SAF 2507. High salinity C5-M ISO 12944 mist protection treatment.

### HANDLE

AISI 316L stainless steel handle for quick and easy filtration element extraction. Special executions on request: Body in DUPLEX SAF 2205 or SUPERDUPLEX SAF 2507. High salinity C5-M ISO 12944 mist protection treatment.

### QUICKLOCK SYSTEM

Easy and quick closing/opening system with AISI 304L or 316L stainless steel eyebolts and flap screws.

### GASKET

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

### IN >

Raw water inlet.

### OUT >

Filtered water outlet.

### FILTRATION ELEMENT

Filtration basket made in AISI 316L stainless steel perforated sheet or, on request, in DUPLEX SAF 2205.

### MANOMETER CONNECTION

Manometer inlet-outlet connections. The filter is supplied with appropriate closure caps.

\*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

## MINI BASKET

### GENERAL DATA

| FILTER SIZE       | 40-100                                      | 125-150                                     | 200-250                                     |
|-------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| MAX FLOW RATE     | 140 m <sup>3</sup> /h<br>616 US gpm         | 300 m <sup>3</sup> /h<br>1320 US gpm        | 450 m <sup>3</sup> /h<br>1980 US gpm        |
| FILTRATION AREA   | 2430 cm <sup>2</sup><br>376 in <sup>2</sup> | 2840 cm <sup>2</sup><br>440 in <sup>2</sup> | 4260 cm <sup>2</sup><br>660 in <sup>2</sup> |
| FILTRATION DEGREE | 5000 - 3000 - 2000 - 1500 µm                |                                             |                                             |
| MAX PRESSURE      | 10 bar (145 psi)                            |                                             |                                             |
| MAX TEMPERATURE   | 90°C (194°F)                                |                                             |                                             |
| SALINITY          | < 10.000 PPM TDS                            |                                             |                                             |
| ACIDITY           | pH 3 ÷ 9                                    |                                             |                                             |

### FILTRATION ELEMENT

|                      |                                            |
|----------------------|--------------------------------------------|
| DEGREE OF FILTRATION | 1500 ÷ 5000 µm                             |
| FILTRATION MESH      | Basket mesh in AISI 316L / DUPLEX SAF 2205 |

### MATERIALS

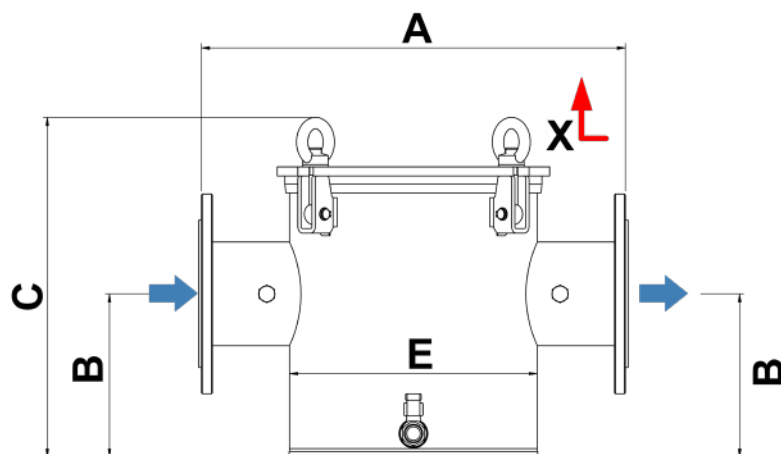
|                   |                                                |
|-------------------|------------------------------------------------|
| FILTER BODY       | AISI 304L / AISI 316L / DUPLEX SAF 2205        |
| LID               | AISI 304L / AISI 316L / DUPLEX SAF 2205        |
| FILTRATION BASKET | AISI 316L / DUPLEX SAF 2205                    |
| GASKETS           | EPDM / NBR / VITON / PTFE / SILICON / GRAPHITE |
| SURFACE TREATMENT | Pickling                                       |

### ON REQUEST

- Other filtration degrees;
- Other constructive pressures.

## DIMENSIONS

## MINI BASKET



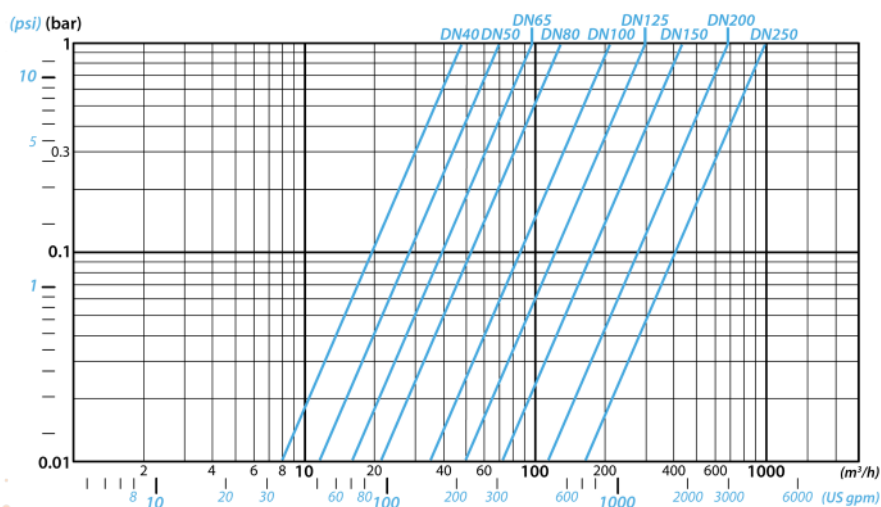
| MODEL   |       | IN/OUT | DRAIN  | FILTRATION AREA |     | Qmax* |        | DIMENSIONS (mm) |     |     |     |     |     | WEIGHT**<br>kg |
|---------|-------|--------|--------|-----------------|-----|-------|--------|-----------------|-----|-----|-----|-----|-----|----------------|
|         |       |        |        | cm²             | in² | m³/h  | US gpm | A               | B   | C   | D   | E   | X   |                |
| MB LINE | 40    | DN40   | ½"BSPP | 2430            | 376 | 20    | 88     | 473             | 150 | 386 | -   | 273 | 350 | 25             |
|         | 50    | DN50   | ½"BSPP | 2430            | 376 | 40    | 176    | 473             | 150 | 386 | -   | 273 | 350 | 26             |
|         | 65    | DN65   | ½"BSPP | 2430            | 376 | 60    | 264    | 473             | 150 | 386 | -   | 273 | 350 | 27             |
|         | 80    | DN80   | ½"BSPP | 2430            | 376 | 80    | 352    | 473             | 160 | 386 | -   | 273 | 350 | 28             |
|         | 100   | DN100  | ½"BSPP | 2430            | 376 | 140   | 616    | 473             | 180 | 386 | -   | 273 | 350 | 28             |
|         | 125   | DN125  | ½"BSPP | 2840            | 440 | 210   | 924    | 473             | 210 | 456 | -   | 273 | 420 | 32             |
|         | 150   | DN150  | ½"BSPP | 2840            | 440 | 300   | 1320   | 473             | 210 | 456 | -   | 273 | 420 | 33             |
|         | 200   | DN200  | ½"BSPP | 4260            | 660 | 400   | 1760   | 556             | 250 | 551 | -   | 356 | 520 | 62             |
| 250     | DN250 | ½"BSPP | 4260   | 660             | 450 | 1980  | 556    | 250             | 551 | -   | 356 | 520 | 68  |                |

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

\* Qmax flow rates are referred to basket with 3000 µm filtration degree and 20 °C, NTU < 1 water.

\*\* Weight excluding automation and packaging.

## PRESSURE LOSS



Pressure drop is referred to basket with 3000 µm filtration degree and 20 °C, NTU < 1 water.