

# SA Series

Semi Automatic Screen Filter



## Features

- Installed in angle position
- Supplied in 4" - 14" inlet / outlet connections
- Low backwash water consumption

## Technical Data

| Model                            |                   | SA-4   | SA-6 | SA-8 | SA-10 |                   | SA-4       | SA-6 | SA-8 | SA-10 |
|----------------------------------|-------------------|--------|------|------|-------|-------------------|------------|------|------|-------|
|                                  | <b>Metric</b>     |        |      |      |       | <b>US</b>         |            |      |      |       |
| Connection diameter              | mm                | 110    | 160  | 225  | 280   | inch              | 4          | 6    | 8    | 10    |
| Screen area                      | cm <sup>2</sup>   | 3220   | 4300 | 5785 | 8600  | inch <sup>2</sup> | 499        | 666  | 897  | 1333  |
| Flush flow rate at min. pressure | m <sup>3</sup> /h | 40     | 40   | 40   | 40    | gpm               | 176        | 176  | 176  | 176   |
| Pressure range                   | bar               | 1 - 10 |      |      |       | psi               | 14.5 - 145 |      |      |       |
| Max. temp.                       | °C                | 65     |      |      |       | °F                | 149        |      |      |       |

## Maximum Filtration Flow Rate / Water Quality

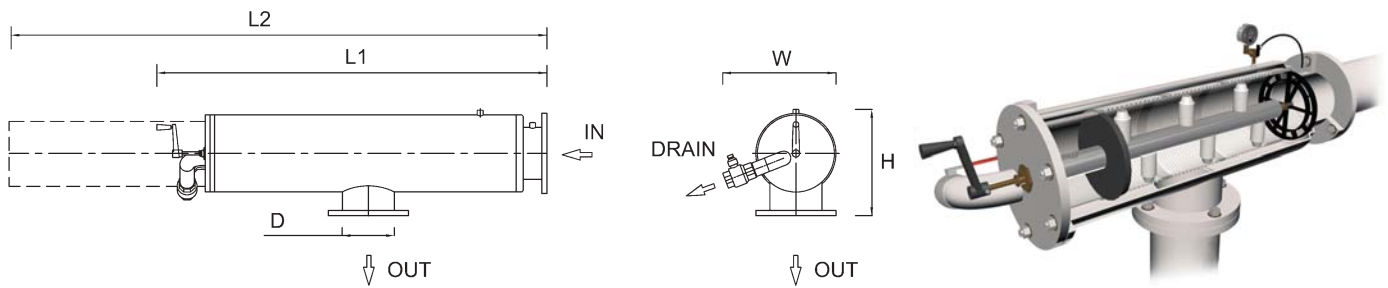
| Model            |               | SA-4              | SA-6 | SA-8 | SA-10 | SA-4 | SA-6 | SA-8 | SA-10 |
|------------------|---------------|-------------------|------|------|-------|------|------|------|-------|
| Filtration Grade | Water Quality | m <sup>3</sup> /h |      |      |       | gpm  |      |      |       |
|                  |               |                   |      |      |       |      |      |      |       |
| 400 μ            | Good          | 80                | 160  | 300  | 500   | 352  | 704  | 1320 | 2200  |
|                  | Average       | 80                | 160  | 300  | 500   | 352  | 704  | 1320 | 2200  |
|                  | Poor          | 80                | 160  | 300  | 500   | 352  | 704  | 1320 | 2200  |
| 200 μ            | Good          | 80                | 160  | 300  | 500   | 352  | 704  | 1320 | 2200  |
|                  | Average       | 48                | 96   | 180  | 300   | 211  | 422  | 792  | 1320  |
|                  | Poor          | 45                | 90   | 169  | 281   | 198  | 396  | 744  | 1236  |
| 150-100 μ        | Good          | 80                | 160  | 300  | 500   | 352  | 704  | 1320 | 2200  |
|                  | Average       | 36                | 72   | 135  | 225   | 158  | 317  | 594  | 990   |
|                  | Poor          | 34                | 68   | 127  | 211   | 150  | 299  | 559  | 928   |
| 80-50 μ          | Good          | 34                | 68   | 127  | 211   | 150  | 299  | 559  | 928   |
|                  | Average       | 27                | 54   | 102  | 169   | 119  | 238  | 449  | 744   |
|                  | Poor          | 22                | 43   | 82   | 135   | 97   | 189  | 361  | 594   |

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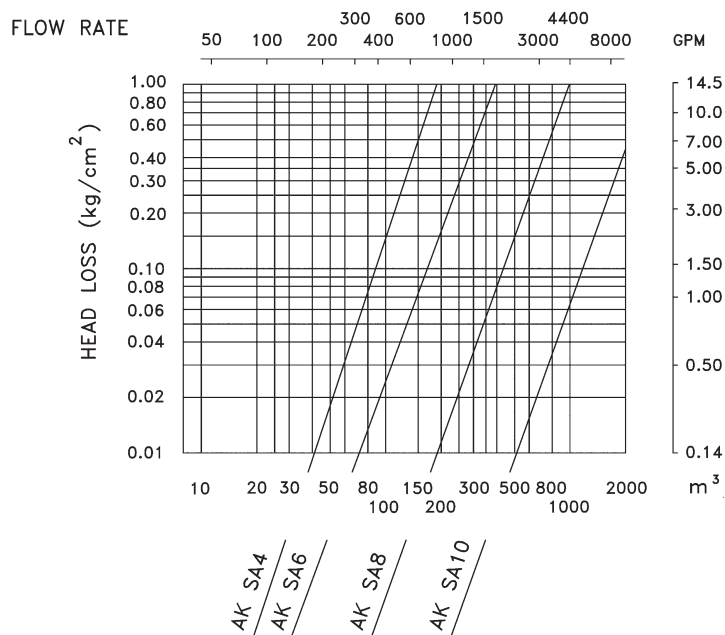
Semi Automatic Screen Filter

## Dimensions and Weights

| Model                       |    | SA-4 | SA-6 | SA-8 | SA-10 |      | SA-4 | SA-6 | SA-8 | SA-10 |
|-----------------------------|----|------|------|------|-------|------|------|------|------|-------|
| D                           | mm | 110  | 160  | 225  | 280   | inch | 4    | 6    | 8    | 10    |
| L1                          | mm | 960  | 1165 | 1361 | 1638  | inch | 38   | 46   | 54   | 64    |
| L2                          | mm | 1360 | 1765 | 2160 | 2960  | inch | 54   | 69   | 85   | 117   |
| H                           | mm | 400  | 400  | 400  | 524   | inch | 16   | 16   | 16   | 21    |
| W                           | mm | 469  | 469  | 466  | 476   | inch | 18   | 18   | 18   | 19    |
| Approximate shipping weight | kg | 69   | 79   | 90   | 110   | lbs  | 152  | 174  | 198  | 242   |



## Head Loss Chart at, Clean State



**SA filtration units can be supplied in:**  
Polyester coated carbon steel or  
Stainless steel