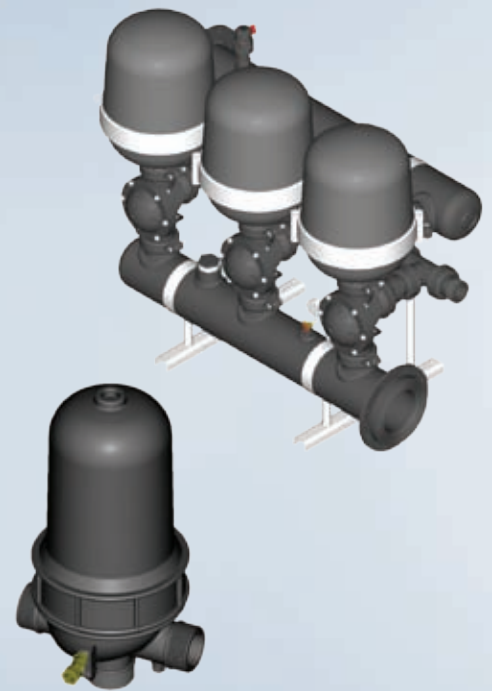


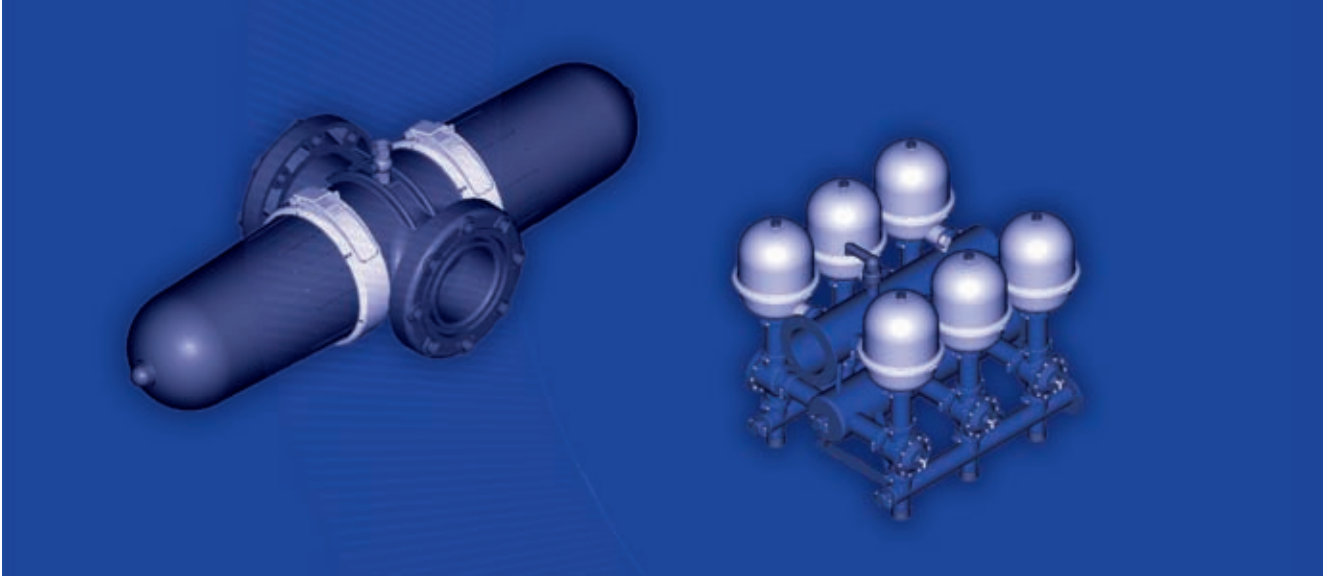
Arkal Filters Catalogue



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Disc Filtration Technology



- Micron-precise filtration of solids.
- The innovative depth filter design captures and retains large amounts of solids.
- Long-term operation.
- Minimal maintenance required.
- Disc filtration elements are factory assembled and ready for use.

Disc Filtration Technology

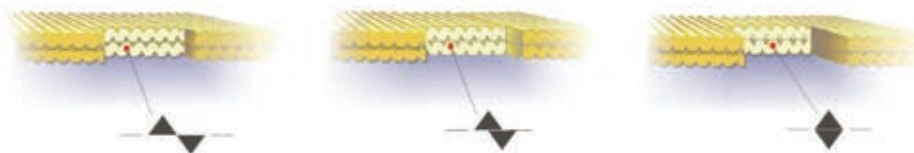
Arkal's filtration systems use a specially designed disc filtration technology.

Color-coded Polypropylene or Nylon discs are grooved on both sides to a specific micron size. A series of these discs are then stacked and compressed on a specially designed spine. When stacked, the groove on top runs opposite to the groove below, creating a filtration element with a statistically significant series of intersecting grooves which trap the solids. The stack is enclosed in a corrosion and pressure resistant housing.

During filtration, the discs are tightly compressed together by a combination of the spring's power and the differential pressure, thus providing high filtration efficiency. Filtration occurs while water is percolating from the outer diameter to the inner diameter of the element. Depending on the micron rating (See table), there are from 18 (in 400 micron discs) to 32 (in 20 micron discs) stopping points in each track, thus creating the unique in-depth filtration (Figure below).

Table of Filtration Grades of the Discs and Color Code

| Color Code | Blue | Yellow | Red | Black | Brown | Green | Purple | Gray |
|------------|------|--------|-----|-------|-------|-------|--------|------|
| Micron | 400 | 200 | 130 | 100 | 70 | 55 | 40 | 20 |
| Mesh | 40 | 80 | 120 | 140 | | | | |
| PP | | | | | | | | |
| Nylon | | | | | | | | |



Compact Filtration Unit

Features

- Precise filtration with Spin Klin technology
- Automatic filtration for low flow rates
- Plastic parts - corrosion free
- Highly durable filter element
- Easy installation and operation
- Lightweight, compact design
- Simple and reliable operation

Automatic Filters



Technical Data

| | METRIC | | US | |
|--------------------------|-------------------|------|-----------------|-------|
| | | | | |
| Max. pressure | bar | 10 | psi | 145 |
| Min. filtration pressure | bar | 2.8 | psi | 40.6 |
| Filtration surface area | cm ² | 880 | in ² | 136.4 |
| Filtration volume | cm ³ | 1320 | in ³ | 80.5 |
| Backwash water volume | lit | 33 | gal | 8.7 |
| Min. Backwash flow rate | m ³ /h | 10 | gpm | 44 |

Maximum Filtration Flow Rate / Water Quality

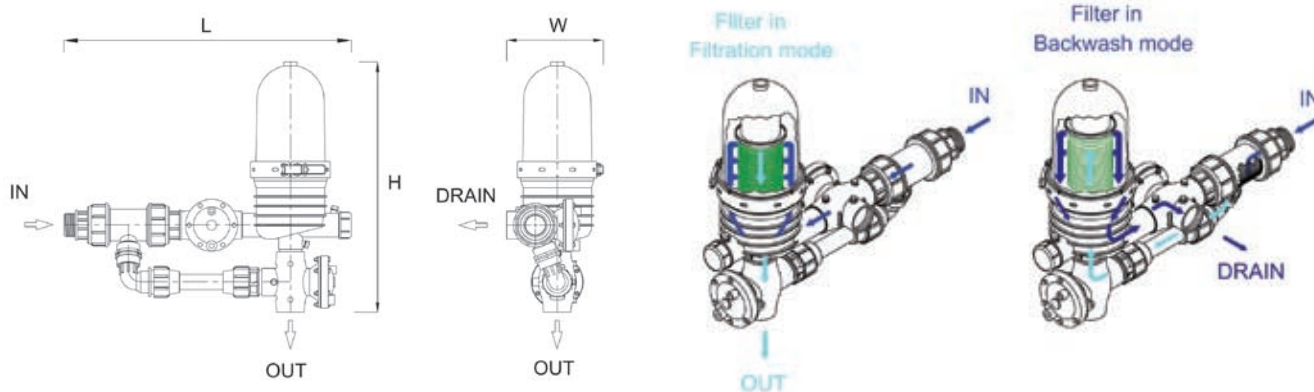
| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|-----|
| 400-100 μ | Good | 20 | 88 |
| | Average | 15 | 66 |
| | Poor | 10 | 44 |
| | Very Poor | 8* | 35* |
| 70-55 μ | Good | 10 | 44 |
| | Average | 8* | 35* |
| | Poor | 6* | 26* |
| | Very Poor | 4* | 18* |
| 40-20 μ | Good | 5* | 22* |
| | Average | 4* | 18* |
| | Poor | 3* | 13* |
| | Very Poor | 2* | 9* |

* External source or Air aided backwash is necessary

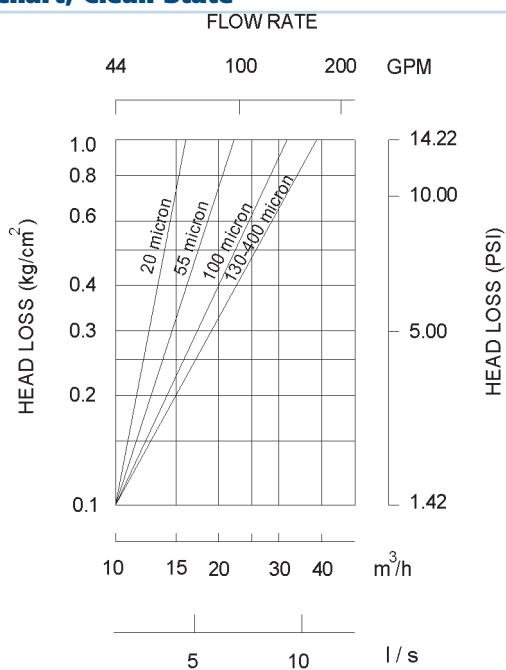
Compact Filtration Unit

Dimensions and Weights

| | | | | |
|---------------------------|----|------|------|------|
| D Inlet\Outlet diameter | mm | 50 | inch | 2 |
| L Length | mm | 694 | inch | 27.3 |
| H Height | mm | 628 | inch | 24.7 |
| W Width | mm | 243 | inch | 9.6 |
| Shipping weight (approx.) | kg | 28.6 | lbs | 63 |



Head Loss Chart, Clean State



COMPACT filtration units
are available with:
Brass or polymer valves.

2" Compact All Plastic Filtration Unit

Features

- Precise filtration with Spin Klin technology
- Automatic filtration for low flow rates
- Plastic parts - corrosion free
- Highly durable filter element
- Easy installation and operation
- Lightweight, compact design
- Simple and reliable operation

Automatic Filters



Technical Data

| | METRIC | | US | |
|--------------------------|-------------------|-------|-----------------|-------|
| | Unit | Value | Unit | Value |
| Max. pressure | bar | 10 | psi | 145 |
| Min. filtration pressure | bar | 2.8 | psi | 40.6 |
| Filtration surface area | cm ² | 880 | in ² | 136.4 |
| Filtration volume | cm ³ | 1,320 | in ³ | 80.5 |
| Backwash water volume | lit | 33 | gal | 8.7 |
| Min. Backwash flow rate | m ³ /h | 10 | gpm | 44 |

Maximum Filtration Flow Rate / Water Quality

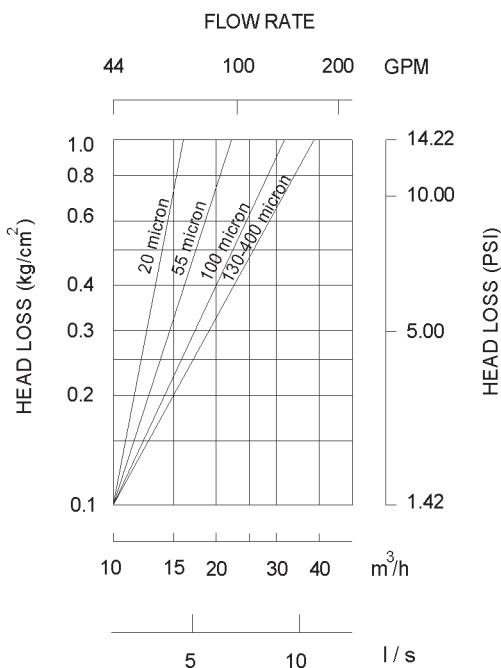
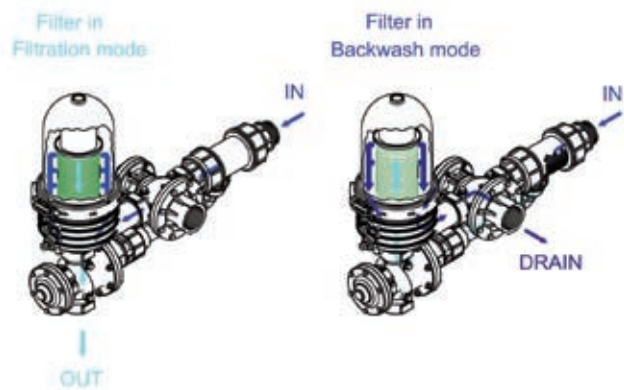
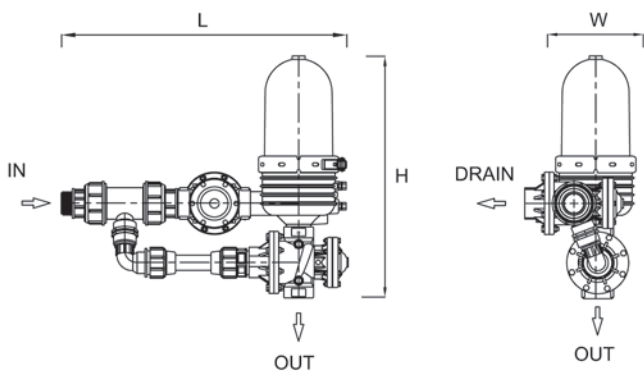
| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|-----|
| 400-100 μ | Good | 20 | 88 |
| | Average | 15 | 66 |
| | Poor | 10 | 44 |
| | Very Poor | 8 * | 35* |
| 70-55 μ | Good | 10 | 44 |
| | Average | 8* | 35* |
| | Poor | 6* | 26* |
| | Very Poor | 4* | 18* |
| 40-20 μ | Good | 5* | 22* |
| | Average | 4* | 18* |
| | Poor | 3* | 13* |
| | Very Poor | 2* | 9* |

* External source or Air aided backwash is necessary

2" Compact All Plastic Filtration Unit

Dimensions and Weights

| | | | | |
|---------------------------|----|------|------|--------------------------------|
| D Inlet\Outlet diameter | mm | 50 | inch | 2 |
| L Length | mm | 751 | inch | 29 ⁵ / ₈ |
| H Height | mm | 655 | inch | 25 ⁷ / ₈ |
| W Width | mm | 243 | inch | 9 ⁵ / ₈ |
| Shipping weight (approx.) | kg | 28.6 | lbs | 63 |



All Plastic 2" Compact filtration units are available with:
Non Corrosive material valves

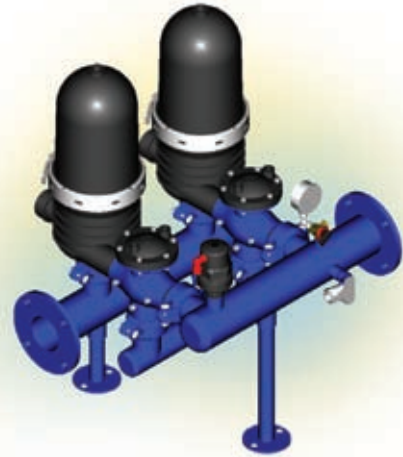
Opal

Filtration Batteries

Features

- Precise filtration with Spin Klin technology
- Automatic filtration for low flow rates
- Plastic parts - corrosion free
- Highly durable filter element
- Easy installation and operation
- Lightweight, compact design
- Simple and reliable operation

Automatic Filters



Technical Data

| | | METRIC | | US | |
|--------------------------------|-----------------|--------|-----------------|-------|--|
| Max. pressure | bar | 10 | psi | 145 | |
| Min. filtration pressure | bar | 2.8 | psi | 40.6 | |
| Filtration surface area | cm ² | 880 | in ² | 136.4 | |
| Filtration volume per unit | cm ³ | 1320 | in ³ | 80.5 | |
| Backwash water volume per unit | lit | 33 | gal | 8.7 | |

Maximum Filtration Flow Rate / Water Quality

| No. of units | | 2 | 3 | 4 | 5 | 6 | 2 | 3 | 4 | 5 | 6 |
|------------------|---------------|-------------------|------|------|------|------|-------|------|------|------|------|
| Filtration Grade | Water Quality | m ³ /h | | | | | gpm | | | | |
| 400-130 μ | Good | 50** | 75 | 100 | 125 | 150 | 220** | 330 | 440 | 550 | 660 |
| | Average | 38** | 57 | 76 | 95 | 115 | 167** | 250 | 334 | 418 | 506 |
| | Poor | 27** | 41 | 54 | 67 | 84 | 119** | 180 | 238 | 294 | 370 |
| | Very Poor | 16** | 25 | 33 | 41 | 49 | 70** | 110 | 145 | 180 | 215 |
| 100 μ | Good | 40** | 60 | 80 | 100 | 120 | 176** | 264 | 352 | 440 | 528 |
| | Average | 30** | 45 | 60 | 75 | 90 | 132** | 192 | 264 | 330 | 396 |
| | Poor | 20** | 30 | 40 | 50 | 60 | 88** | 132 | 176 | 220 | 264 |
| | Very Poor | 13** | 20 | 26 | 33 | 40 | 57** | 88 | 114 | 145 | 176 |
| 55 μ | Good | 28** | 42 | 56 | 70 | 84 | 123** | 184 | 246 | 308 | 364 |
| | Average | 22** | 33 | 44 | 55 | 66 | 97** | 145 | 193 | 242 | 290 |
| | Poor | 15** | 23 | 30 | 38 | 45 | 66** | 101 | 132 | 167 | 198 |
| | Very Poor | 9* | 14* | 18* | 24 | 33 | 39* | 61* | 79* | 105 | 145 |
| 20 μ | Good | 14* | 21 | 28 | 35 | 42 | 61* | 92 | 123 | 154 | 184 |
| | Average | 10* | 16** | 21 | 26 | 32 | 44* | 70** | 92 | 114 | 140 |
| | Poor | 7* | 11** | 14** | 18** | 21 | 30* | 48** | 61** | 79** | 92 |
| | Very Poor | 5* | 7* | 9* | 11** | 13** | 22* | 30* | 39* | 48** | 57** |

* External source for backwash is necessary

** When pressure is low, it is necessary to close downstream valve during backwash

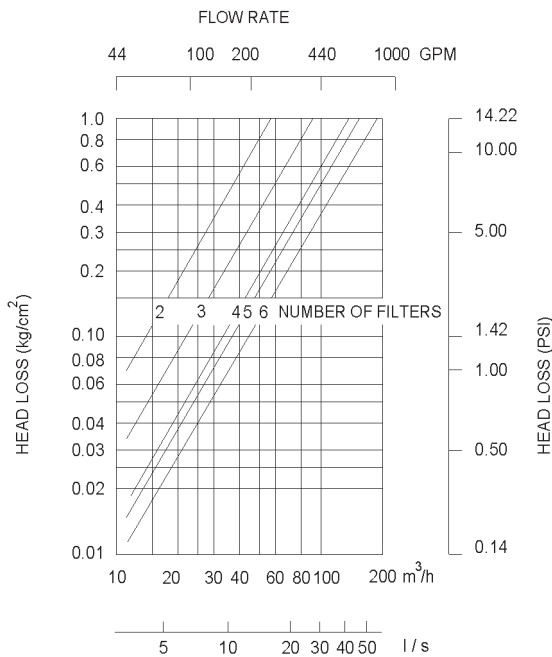
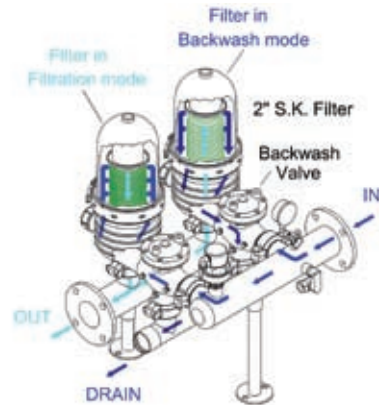
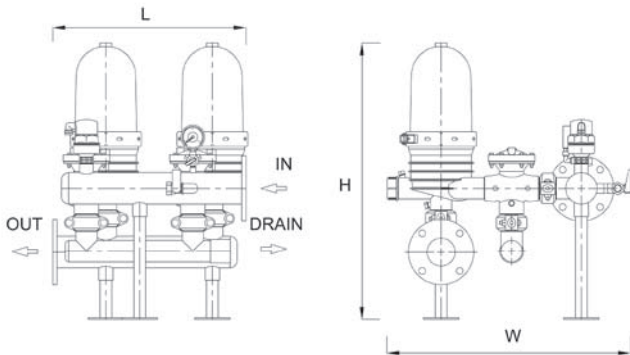
Opal

Filtration Batteries

Dimensions and Weights

| No. of units | | 2 | 3 | 4 | 5 | 6 | | 2 | 3 | 4 | 5 | 6 |
|---------------------------|----|-----|-----|------|------|------|------|-----|-----|-----|-----|-----|
| D Inlet\Outlet diameter | mm | 90 | 90 | 110 | 110 | 160 | inch | 3 | 3 | 4 | 4 | 6 |
| L Length | mm | 545 | 800 | 1145 | 1445 | 1745 | inch | 21 | 32 | 45 | 57 | 69 |
| H Height | mm | 788 | 788 | 817 | 817 | 844 | inch | 31 | 31 | 32 | 32 | 33 |
| W Width | mm | 643 | 643 | 674 | 674 | 731 | inch | 25 | 25 | 27 | 27 | 29 |
| Shipping weight (approx.) | kg | 80 | 100 | 120 | 140 | 160 | lbs | 176 | 220 | 264 | 308 | 352 |

NOTE: Above dimensions are for standard models only: Polyester coated steel flanged inlet\outlet and drainage manifolds.



OPAL filtration batteries are available with:
 Polyester coated steel,
 Stainless steel or
 Polypropelene manifolds.

2" Poly Battery

Filtration Batteries

Features

- Precise filtration with Spin Klin technology
- Automatic filtration for low flow rates
- Plastic parts - corrosion free
- Highly durable filter element
- Easy installation and operation
- Lightweight, compact design
- Simple and reliable operation

Automatic Filters



Technical Data

| | METRIC | | | US | |
|--------------------------|-----------------|-------|--|-----------------|-------|
| | bar | | | psi | |
| Max. pressure | bar | 10 | | psi | 145 |
| Min. filtration pressure | bar | 2.8 | | psi | 40.6 |
| Filtration surface area | cm ² | 880 | | in ² | 136.4 |
| Filtration volume | cm ³ | 1,320 | | in ³ | 80.5 |
| Backwash water volume | lit | 33 | | gal | 8.7 |

Maximum Filtration Flow Rate / Water Quality

| No. of units | | 2 | 3 | 4 | 5 | 6 | 2 | 3 | 4 | 5 | 6 |
|------------------|---------------|-------------------|------|------|------|------|-------|------|------|------|------|
| Filtration Grade | Water Quality | m ³ /h | | | | | gpm | | | | |
| 400-130 μ | Good | 50** | 75 | 100 | 125 | 150 | 220** | 330 | 440 | 550 | 660 |
| | Average | 38** | 57 | 76 | 95 | 115 | 167** | 250 | 334 | 418 | 506 |
| | Poor | 27** | 41 | 54 | 67 | 84 | 119** | 180 | 238 | 294 | 370 |
| | Very Poor | 16** | 25 | 33 | 41 | 49 | 70** | 110 | 145 | 180 | 215 |
| 100-70 μ | Good | 40** | 60 | 80 | 100 | 120 | 176** | 264 | 352 | 440 | 528 |
| | Average | 30** | 45 | 60 | 75 | 90 | 132** | 192 | 264 | 330 | 396 |
| | Poor | 20** | 30 | 40 | 50 | 60 | 88** | 132 | 176 | 220 | 264 |
| | Very Poor | 13** | 20 | 26 | 33 | 40 | 57** | 88 | 114 | 145 | 176 |
| 55-40 μ | Good | 28** | 42 | 56 | 70 | 84 | 123** | 184 | 246 | 308 | 364 |
| | Average | 22** | 33 | 44 | 55 | 66 | 97** | 145 | 193 | 242 | 290 |
| | Poor | 15** | 23 | 30 | 38 | 45 | 66** | 101 | 132 | 167 | 198 |
| | Very Poor | 9* | 14* | 18* | 24 | 33 | 39* | 61* | 79* | 105 | 145 |
| 20 μ | Good | 14* | 21 | 28 | 35 | 42 | 61* | 92 | 123 | 154 | 184 |
| | Average | 10* | 16** | 21 | 26 | 32 | 44* | 70** | 92 | 114 | 140 |
| | Poor | 7* | 11** | 14** | 18** | 21 | 30* | 48** | 61** | 79** | 92 |
| | Very Poor | 5* | 7* | 9* | 11** | 13** | 22* | 30* | 39* | 48** | 57** |

* External source for backwash is necessary

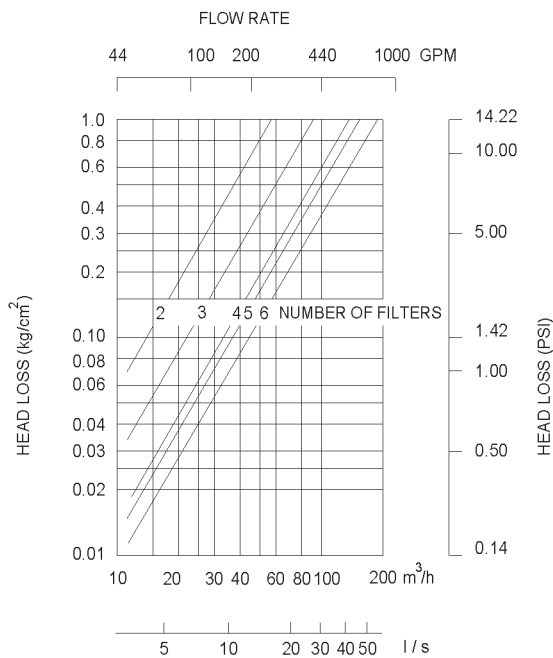
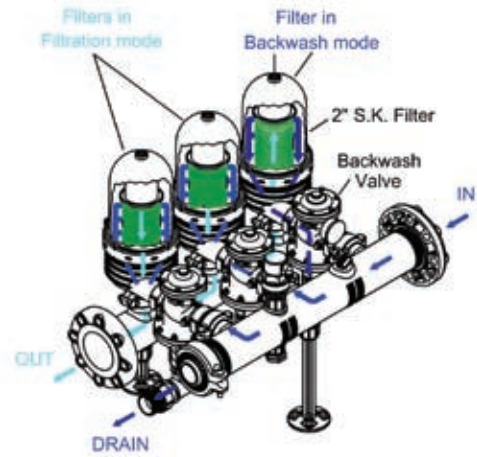
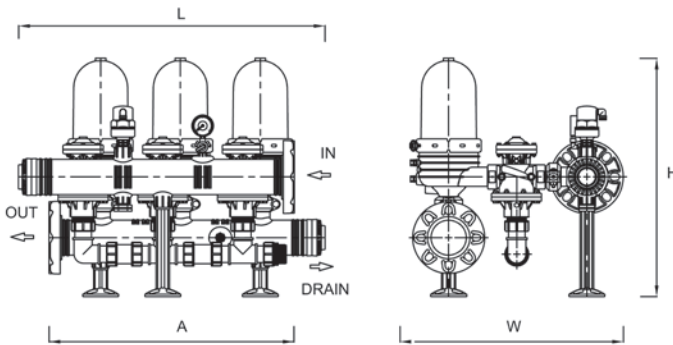
** When pressure is low, it is necessary to close downstream valve during backwash

2" Poly Battery

Filtration Batteries

Dimensions and Weights

| | | 2 | 3 | 4 | 5 | 6 | | 2 | 3 | 4 | 5 | 6 |
|-----------------------------|----|-----|-----|------|------|------|------|--------|--------|--------|--------|--------|
| D Inlet\Outlet diameter | mm | 110 | 110 | 110 | 110 | 160 | inch | 4 | 4 | 4 | 4 | 6 |
| L Length | mm | 710 | 960 | 1210 | 1460 | 1915 | inch | 28 | 37 1/4 | 47 5/8 | 57 1/2 | 75 1/2 |
| H Height | mm | 750 | 750 | 750 | 750 | 835 | inch | 29 5/8 | 29 5/8 | 29 5/8 | 29 5/8 | 32 7/8 |
| W Width | mm | 670 | 670 | 670 | 670 | 752 | inch | 26 3/8 | 26 3/8 | 26 3/8 | 26 3/8 | 29 5/8 |
| A Flange to flange distance | mm | 515 | 765 | 1015 | 1265 | 1915 | inch | 20 5/8 | 30 1/8 | 40 | 49 7/8 | 75 1/2 |
| Shipping weight (approx.) | kg | 30 | 50 | 70 | 90 | 140 | lbs | 66 | 110 | 154 | 198 | 308 |



2" Poly batteries are available with:
Non Corrosive material valves

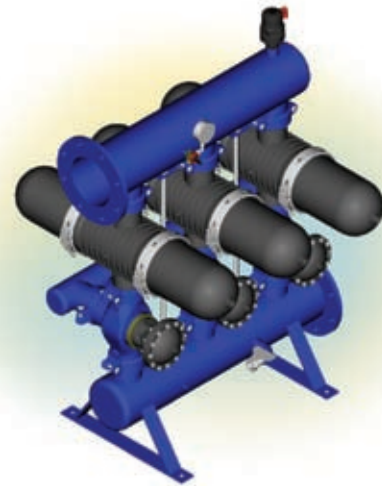
Crystal

Filtration Batteries

Features

- Precise filtration with Spin Klin technology
- Automatic filtration for medium flow rates
- Continuous flow during backwash
- Plastic parts - corrosion free
- Highly durable filter element
- Easy installation and operation
- Lightweight, compact design

Automatic Filters



Technical Data

| | METRIC | | | US | |
|----------------------------------|-----------------|------|--|-----------------|-------|
| | bar | | | psi | |
| Max. pressure | bar | 10 | | psi | 145 |
| Min. backwash pressure | bar | 2.8 | | psi | 40.6 |
| Filtration surface area per unit | cm ² | 1760 | | in ² | 272.8 |
| Filtration volume per unit | cm ³ | 2640 | | in ³ | 161 |
| Backwash water volume per unit | lit | 66 | | gal | 17.4 |

Maximum Filtration Flow Rate / Water Quality

| No. of units | | 3 | 4 | 5 | 6 | 7 | 8 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------|---------------|-------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| Filtration Grade | Water Quality | m ³ /h | | | | | | gpm | | | | | |
| 400-130 μ | Good | 110 | 148 | 185 | 222 | 259 | 296 | 484 | 652 | 814 | 977 | 1140 | 1302 |
| | Average | 90 | 120 | 150 | 180 | 210 | 240 | 396 | 528 | 660 | 792 | 924 | 1056 |
| | Poor | 66 | 88 | 110 | 132 | 154 | 176 | 290 | 387 | 484 | 581 | 678 | 774 |
| | Very Poor | 45* | 60 | 75 | 90 | 105 | 120 | 198* | 264 | 330 | 396 | 462 | 528 |
| 100-70 μ | Good | 90 | 120 | 150 | 180 | 210 | 240 | 396 | 528 | 660 | 792 | 924 | 1056 |
| | Average | 66 | 88 | 110 | 132 | 154 | 176 | 290 | 387 | 484 | 581 | 678 | 774 |
| | Poor | 48* | 64 | 80 | 96 | 112 | 128 | 211* | 282 | 352 | 422 | 493 | 563 |
| | Very Poor | 33* | 44* | 55 | 66 | 77 | 88 | 145* | 194* | 242 | 290 | 339 | 387 |
| 55-40 μ | Good | 60 | 80 | 100 | 120 | 140 | 160 | 264 | 352 | 440 | 528 | 616 | 704 |
| | Average | 48* | 64 | 80 | 96 | 112 | 128 | 211* | 282 | 352 | 422 | 493 | 563 |
| | Poor | 36* | 48* | 60 | 72 | 84 | 96 | 158* | 211* | 264 | 317 | 370 | 422 |
| | Very Poor | 27*** | 36** | 45* | 54 | 63 | 72 | 119*** | 158** | 198* | 238 | 277 | 317 |
| 20 μ | Good | 30*** | 40** | 50 | 60 | 70 | 80 | 132*** | 176*** | 220 | 264 | 308 | 352 |
| | Average | 24*** | 32*** | 40** | 48* | 56 | 64 | 106*** | 141*** | 176** | 211* | 246 | 282 |
| | Poor | 18*** | 24*** | 30*** | 36*** | 42* | 48* | 79*** | 106*** | 132*** | 158*** | 185* | 211* |
| | Very Poor | 12*** | 16*** | 20*** | 24*** | 28*** | 32*** | 53*** | 70*** | 88*** | 106*** | 123*** | 141*** |

* External source for backwash is necessary

** When pressure is low, it is necessary to close downstream valve during backwash

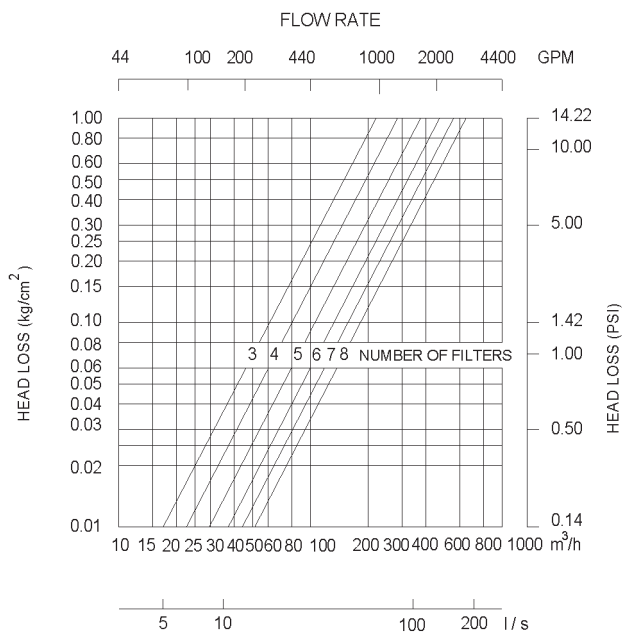
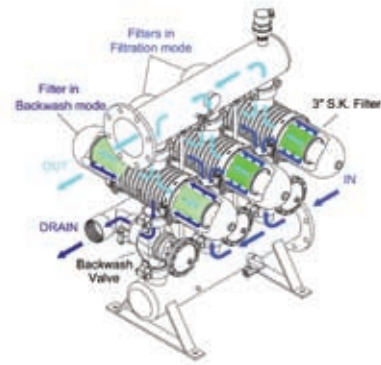
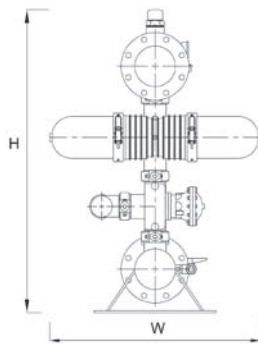
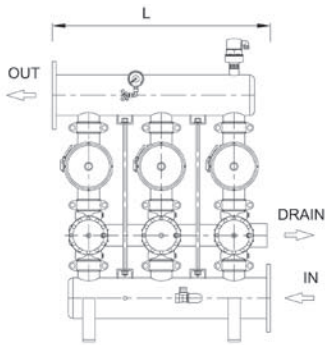
*** The 2" Spin Klin Battery is recommended

Crystal Filtration Batteries

Dimensions and Weights

| No. of units | | 3 | 4 | 5 | 6 | 7 | 8 | | 3 | 4 | 5 | 6 | 7 | 8 |
|---------------------------|----|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| D Inlet\Outlet diameter | mm | 90 | 110 | 160 | 160 | 225 | 225 | inch | 3 | 4 | 6 | 6 | 8 | 8 |
| L Length | mm | 900 | 1200 | 1500 | 1800 | 2100 | 2400 | inch | 35 | 47 | 59 | 71 | 83 | 94 |
| H Height | mm | 1220 | 1220 | 1220 | 1220 | 1488 | 1488 | inch | 48 | 48 | 48 | 47 | 59 | 59 |
| W Width | mm | 900 | 900 | 900 | 900 | 900 | 900 | inch | 35 | 35 | 35 | 35 | 35 | 35 |
| Shipping weight (approx.) | kg | 150 | 170 | 190 | 210 | 260 | 300 | lbs | 331 | 375 | 419 | 463 | 573 | 661 |

NOTE: Above dimensions are for standard models only: Polyester coated steel flanged inlet\outlet and drainage manifolds.



CRYSTAL filtration batteries are available with:
Polyester coated steel,
Stainless steel or
Polypropelene manifolds.

3" Poly Battery

Filtration Batteries

Features

- Precise filtration with Spin Klin technology
- Automatic filtration for medium flow rates
- Continuous flow during backwash
- Plastic parts - corrosion free
- Highly durable filter element
- Easy installation and operation
- Lightweight, compact design

Automatic Filters



Technical Data

| | METRIC | | | US | |
|----------------------------------|-----------------|-------|--|-----------------|-------|
| | bar | | | psi | |
| Max. pressure | bar | 10 | | psi | 145 |
| Min. backwash pressure | bar | 2.8 | | psi | 40.6 |
| Filtration surface area per unit | cm ² | 1,760 | | in ² | 272.8 |
| Filtration volume per unit | cm ³ | 2,640 | | in ³ | 161 |
| Backwash water volume per unit | lit | 66 | | gal | 17.4 |

Maximum Filtration Flow Rate / Water Quality

| No. of units | | 3 | 4 | 5 | 6 | 7 | 8 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------|---------------|-------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| Filtration Grade | Water Quality | m ³ /h | | | | | | gpm | | | | | |
| | | 400-130 μ | Good | 110 | 148 | 185 | 222 | 259 | 296 | 484 | 652 | 814 | 977 |
| Average | 90 | | 120 | 150 | 180 | 210 | 240 | 396 | 528 | 660 | 792 | 924 | 1056 |
| Poor | 66 | | 88 | 110 | 132 | 154 | 176 | 290 | 387 | 484 | 581 | 678 | 774 |
| Very Poor | 45* | | 60 | 75 | 90 | 105 | 120 | 198* | 264 | 330 | 396 | 462 | 528 |
| 100-70 μ | Good | 90 | 120 | 150 | 180 | 210 | 240 | 396 | 528 | 660 | 792 | 924 | 1056 |
| | Average | 66 | 88 | 110 | 132 | 154 | 176 | 290 | 387 | 484 | 581 | 678 | 774 |
| | Poor | 48* | 64 | 80 | 96 | 112 | 128 | 211* | 282 | 352 | 422 | 493 | 563 |
| | Very Poor | 33* | 44* | 55 | 66 | 77 | 88 | 145* | 194* | 242 | 290 | 339 | 387 |
| 55-40 μ | Good | 60 | 80 | 100 | 120 | 140 | 160 | 264 | 352 | 440 | 528 | 616 | 704 |
| | Average | 48* | 64 | 80 | 96 | 112 | 128 | 211* | 282 | 352 | 422 | 493 | 563 |
| | Poor | 36* | 48* | 60 | 72 | 84 | 96 | 158* | 211* | 264 | 317 | 370 | 422 |
| | Very Poor | 27*** | 36** | 45* | 54 | 63 | 72 | 119*** | 158** | 198* | 238 | 277 | 317 |
| 20 μ | Good | 30*** | 40** | 50 | 60 | 70 | 80 | 132*** | 176** | 220 | 264 | 308 | 352 |
| | Average | 24*** | 32*** | 40** | 48* | 56 | 64 | 106*** | 141*** | 176** | 211* | 246 | 282 |
| | Poor | 18*** | 24*** | 30*** | 36*** | 42* | 48* | 79*** | 106*** | 132*** | 158*** | 185* | 211* |
| | Very Poor | 12*** | 16*** | 20*** | 24*** | 28*** | 32*** | 53*** | 70*** | 88*** | 106*** | 123*** | 141*** |

* External source for backwash is necessary

** When pressure is low, it is necessary to close downstream valve during backwash

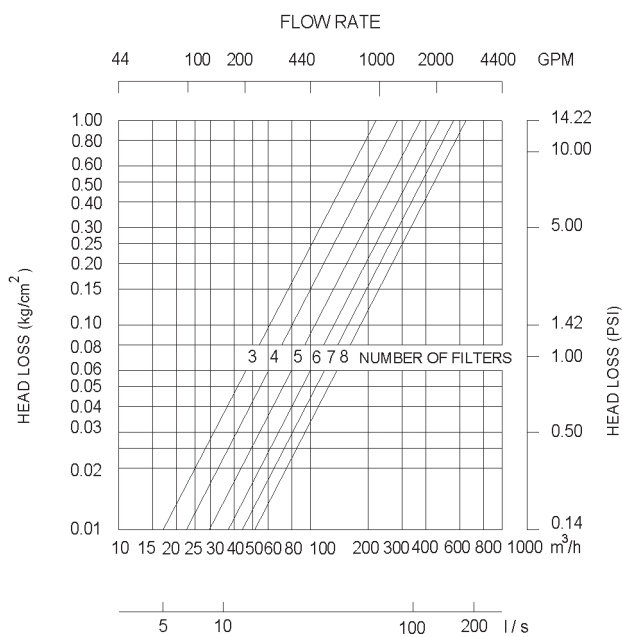
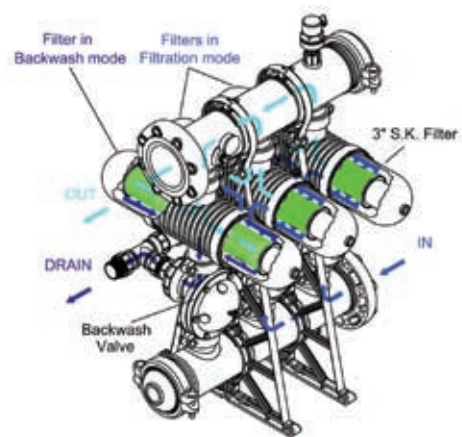
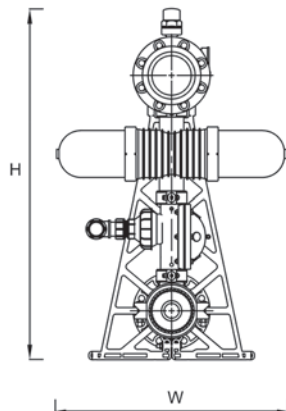
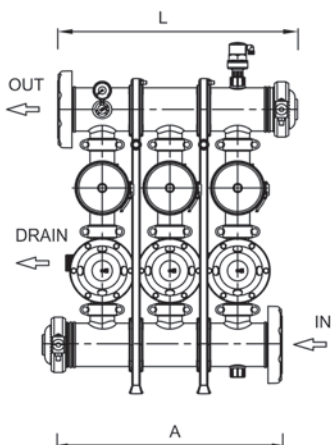
*** The 2" Spin Klin Battery is recommended

3" Poly Battery

Filtration Batteries

Dimensions and Weights

| | | 3 | 4 | 5 | 6 | 7 | 8 | | 3 | 4 | 5 | 6 | 7 | 8 |
|-----------------------------|----|------|------|------|------|------|------|------|----------|----------|----------|----------|---------|---------|
| D Inlet\Outlet diameter | mm | 160 | 160 | 160 | 160 | 200 | 200 | inch | 6 | 6 | 6 | 6 | 8 | 8 |
| L Length | mm | 902 | 1152 | 1402 | 1652 | 2200 | 2500 | inch | 35 1/2 | 45 11/32 | 55 3/16 | 65 1/32 | 86 5/8 | 98 7/16 |
| H Height | mm | 1291 | 1291 | 1291 | 1291 | 1510 | 1510 | inch | 50 13/16 | 50 13/16 | 50 13/16 | 50 13/16 | 59 7/16 | 59 7/16 |
| W Width | mm | 865 | 865 | 865 | 865 | 865 | 865 | inch | 34 1/16 | 34 1/16 | 34 1/16 | 34 1/16 | 34 1/16 | 34 1/16 |
| A Flange to flange distance | mm | 820 | 1070 | 1320 | 1570 | 2200 | 2500 | inch | 32 9/32 | 42 1/8 | 51 31/32 | 61 13/16 | 86 5/8 | 98 7/16 |
| Shipping weight (approx.) | kg | 120 | 150 | 180 | 210 | 250 | 290 | lbs | 264 | 330 | 396 | 492 | 550 | 638 |



3" Spin Klin Poly batteries are available with:
Non Corrosive material valves

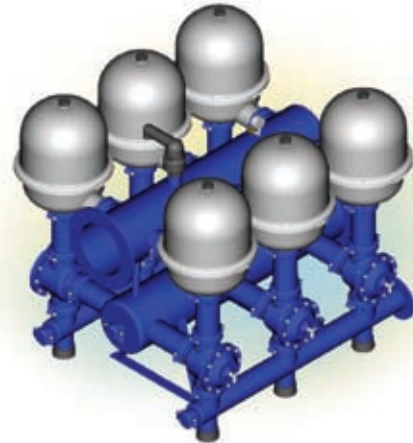
Galaxy

Filtration Batteries

Features

- Precise filtration with Spin Klin technology
- Automatic filtration for high flow rates
- Continuous flow during backwash
- Plastic parts - corrosion free
- Highly durable filter element
- Lightweight, compact design
- Simple and reliable operation

Automatic Filters



Technical Data

| | METRIC | | US | |
|----------------------------------|-----------------|-------|-----------------|------|
| Max. pressure | bar | 10 | psi | 145 |
| Min. backwash pressure | bar | 2.8 | psi | 40.6 |
| Filtration surface area per unit | cm ² | 4,400 | in ² | 680 |
| Filtration volume per unit | cm ³ | 6,600 | in ³ | 410 |
| Backwash water volume per unit | lit | 165 | gal | 44 |

Maximum Filtration Flow Rate / Water Quality

| No. of units | | 3 | 4 | 5 | 6 | 7 | 8 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------|---------------|-------------------|--------|------|------|------|------|--------|--------|-------|-------|------|------|
| Filtration Grade | Water Quality | m ³ /h | | | | | | gpm | | | | | |
| 400-130 μ | Good | 300 | 400 | 500 | 600 | 700 | 800 | 1320 | 1760 | 2200 | 2640 | 3080 | 3520 |
| | Average | 225 | 300 | 375 | 450 | 525 | 600 | 990 | 1320 | 1650 | 1980 | 2310 | 2640 |
| | Poor | 150 | 200 | 250 | 300 | 350 | 400 | 660 | 880 | 1100 | 1320 | 1540 | 1760 |
| | Very Poor | 100* | 130 | 160 | 200 | 230 | 260 | 435* | 580 | 725 | 870 | 1015 | 1160 |
| 100-70 μ | Good | 270 | 360 | 450 | 540 | 630 | 720 | 1190 | 1585 | 1980 | 2375 | 2770 | 3165 |
| | Average | 205 | 270 | 340 | 410 | 480 | 550 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 |
| | Poor | 135* | 180 | 225 | 270 | 315 | 360 | 600* | 800 | 1000 | 1200 | 1400 | 1600 |
| | Very Poor | 90** | 120 | 150 | 180 | 210 | 240 | 400** | 530 | 660 | 790 | 920 | 1050 |
| 55-40 μ | Good | 170 | 225 | 280 | 335 | 390 | 445 | 750 | 990 | 1235 | 1480 | 1725 | 1970 |
| | Average | 125* | 165 | 210 | 255 | 300 | 345 | 555* | 740 | 925 | 1110 | 1295 | 1480 |
| | Poor | 85** | 110* | 140 | 170 | 200 | 230 | 370** | 490* | 615 | 740 | 865 | 990 |
| | Very Poor | 60** | 80** | 100* | 120* | 140 | 160 | 260** | 340** | 430* | 520* | 610 | 700 |
| 20 μ | Good | N/A*** | N/A*** | 140 | 170 | 200 | 230 | N/A*** | N/A*** | 630 | 745 | 870 | 995 |
| | Average | N/A*** | N/A*** | 105* | 125* | 150 | 175 | N/A*** | N/A*** | 475* | 565* | 660 | 755 |
| | Poor | N/A*** | N/A*** | 70** | 85** | 100* | 115* | N/A*** | N/A*** | 310** | 370** | 435* | 500* |
| | Very Poor | N/A*** | N/A*** | 50** | 60** | 70** | 80** | N/A*** | N/A*** | 220** | 260** | 315* | 350* |

Higher flow rates available with additional unit design

* External source for backwash is necessary

** When pressure is low, it is necessary to close downstream valve during backwash

*** The 3" Spin Klin Battery is recommended

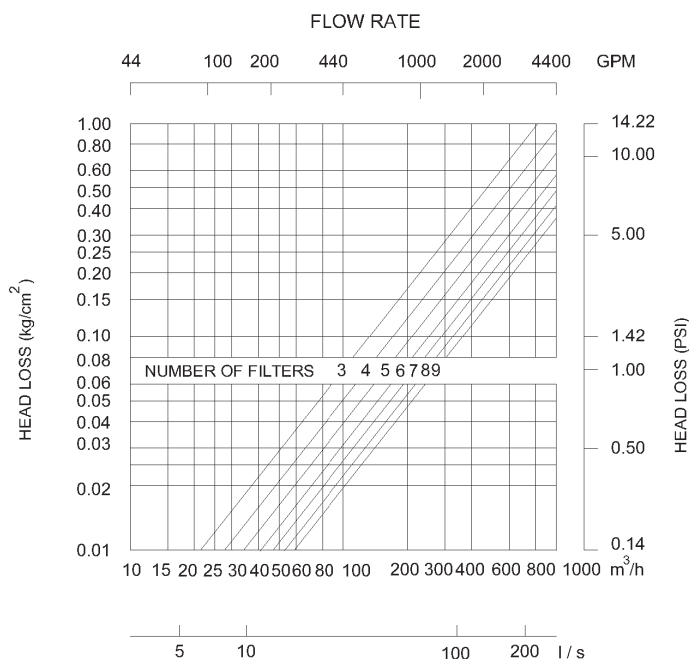
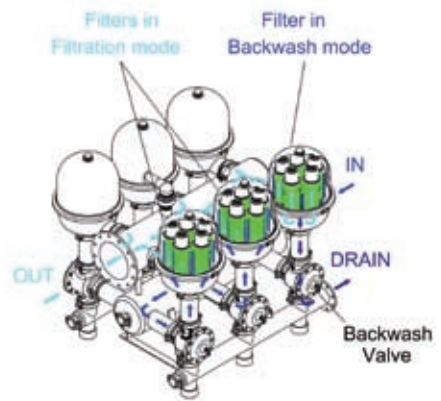
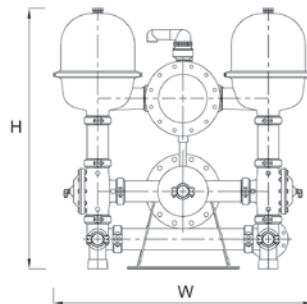
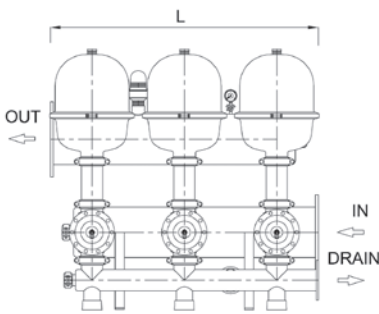
Galaxy

Filtration Batteries

Dimensions and Weights

| No. of units | | 3 | 4 | 5 | 6 | 7 | 8 | | 3 | 4 | 5 | 6 | 7 | 8 |
|---------------------------|----|------|------|------|------|------|------|------|-----|-----|------|------|------|------|
| D Inlet\Outlet diameter | mm | 225 | 280 | 280 | 315 | 315 | 355 | inch | 8 | 10 | 10 | 12 | 12 | 14 |
| L Length | mm | 1450 | 1950 | 2450 | 1450 | 1950 | 1950 | inch | 57 | 77 | 96 | 57 | 77 | 77 |
| H Height | mm | 1405 | 1405 | 1405 | 1405 | 1405 | 1405 | inch | 55 | 55 | 55 | 55 | 55 | 55 |
| W Width | mm | 830 | 900 | 970 | 1450 | 1450 | 1510 | inch | 33 | 35 | 38 | 57 | 57 | 59 |
| Shipping weight (approx.) | kg | 290 | 370 | 485 | 610 | 720 | 912 | lbs | 638 | 814 | 1067 | 1342 | 1584 | 2006 |

NOTE: Above dimensions are for standard models only: Polyester coated steel flanged inlet\outlet and drainage manifolds.



GALAXY filtration batteries are available with:
 Polyester coated steel, Stainless steel or Polypropylene manifolds.
 Stainless steel 316, Polyester coated steel or Polymer pods.

Galaxy Polymer Filtration Batteries

Features

- Precise filtration with Spin Klin technology
- Automatic filtration for high flow rates
- Continuous flow during backwash
- Plastic parts - corrosion free
- Highly durable filter element
- Lightweight, compact design
- Simple and reliable operation

Automatic Filters



Technical Data

| | METRIC | | | US | |
|----------------------------------|-----------------|-------|-----------------|------|--|
| Max. pressure | bar | 10 | psi | 145 | |
| Min. backwash pressure | bar | 2.8 | psi | 40.6 | |
| Filtration surface area per unit | cm ² | 4.400 | in ² | 680 | |
| Filtration volume per unit | cm ³ | 6.600 | in ³ | 410 | |
| Backwash water volume per unit | lit | 165 | gal | 44 | |

Maximum Filtration Flow Rate / Water Quality

| No. of units | | 3 | 4 | 5 | 6 | 7 | 8 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------|---------------|-------------------|--------|------|------|------|------|--------|--------|-------|-------|------|------|
| Filtration Grade | Water Quality | m ³ /h | | | | | | gpm | | | | | |
| 400-130 μ | Good | 300 | 400 | 500 | 600 | 700 | 800 | 1320 | 1760 | 2200 | 2640 | 3080 | 3520 |
| | Average | 225 | 300 | 375 | 450 | 525 | 600 | 990 | 1320 | 1650 | 1980 | 2310 | 2640 |
| | Poor | 150 | 200 | 250 | 300 | 350 | 400 | 660 | 880 | 1100 | 1320 | 1540 | 1760 |
| | Very Poor | 100* | 130 | 160 | 200 | 230 | 260 | 435* | 580 | 725 | 870 | 1015 | 1160 |
| 100-70 μ | Good | 270 | 360 | 450 | 540 | 630 | 720 | 1190 | 1585 | 1980 | 2375 | 2770 | 3165 |
| | Average | 205 | 270 | 340 | 410 | 480 | 550 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 |
| | Poor | 135* | 180 | 225 | 270 | 315 | 360 | 600* | 800 | 1000 | 1200 | 1400 | 1600 |
| | Very Poor | 90** | 120 | 150 | 180 | 210 | 240 | 400** | 530 | 660 | 790 | 920 | 1050 |
| 55-40 μ | Good | 170 | 225 | 280 | 335 | 390 | 445 | 750 | 990 | 1235 | 1480 | 1725 | 1970 |
| | Average | 125* | 165 | 210 | 255 | 300 | 345 | 555* | 740 | 925 | 1110 | 1295 | 1480 |
| | Poor | 85** | 110* | 140 | 170 | 200 | 230 | 370** | 490* | 615 | 740 | 865 | 990 |
| | Very Poor | 60** | 80** | 100* | 120* | 140 | 160 | 260** | 340** | 430* | 520* | 610 | 700 |
| 20 μ | Good | N/A*** | N/A*** | 140 | 170 | 200 | 230 | N/A*** | N/A*** | 630 | 745 | 870 | 995 |
| | Average | N/A*** | N/A*** | 105* | 125* | 150 | 175 | N/A*** | N/A*** | 475* | 565* | 660 | 755 |
| | Poor | N/A*** | N/A*** | 70** | 85** | 100* | 115* | N/A*** | N/A*** | 310** | 370** | 435* | 500* |
| | Very Poor | N/A*** | N/A*** | 50** | 60** | 70** | 80** | N/A*** | N/A*** | 220** | 260** | 315* | 350* |

Higher flow rates available with additional unit design

* External source for backwash is necessary

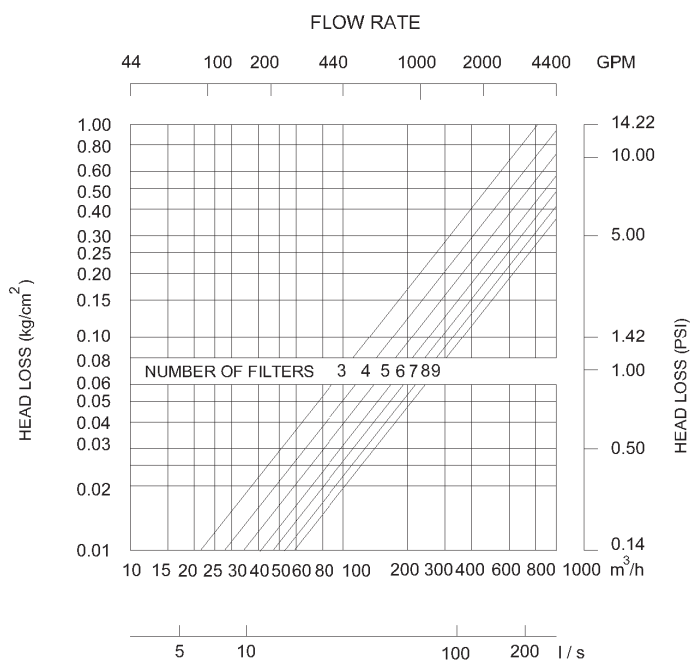
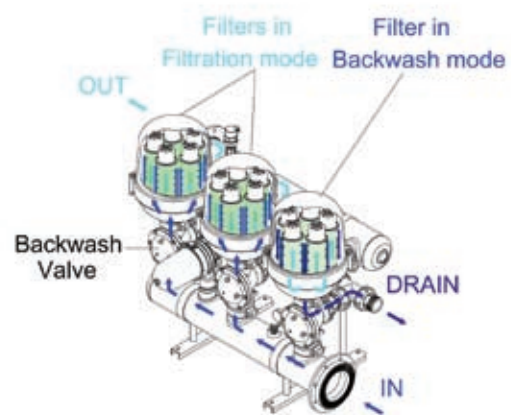
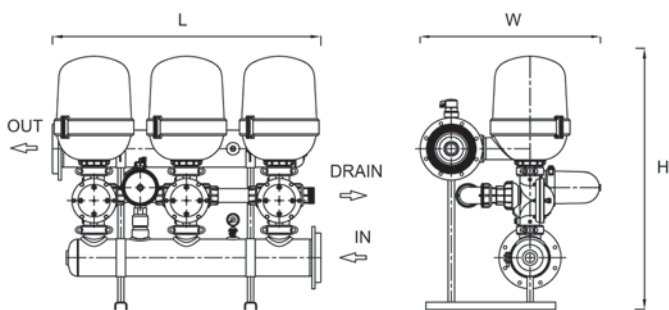
** When pressure is low, it is necessary to close downstream valve during backwash

*** The 3" Spin Klin Battery is recommended

Galaxy Polymer Filtration Batteries

Dimensions and Weights

| | | 3 | 4 | 5 | 6 | 7 | 8 | | 3 | 4 | 5 | 6 | 7 | 8 |
|---------------------------|----|------|------|------|------|------|------|------|-----|-----|------|------|------|------|
| D Inlet\Outlet diameter | mm | 225 | 280 | 280 | 315 | 315 | 355 | inch | 8 | 10 | 10 | 12 | 12 | 14 |
| L Length | mm | 1450 | 1950 | 2450 | 1450 | 1950 | 1950 | inch | 57 | 77 | 96 | 57 | 77 | 77 |
| H Height | mm | 1405 | 1405 | 1405 | 1405 | 1405 | 1405 | inch | 55 | 55 | 55 | 55 | 55 | 55 |
| W Width | mm | 830 | 900 | 970 | 1450 | 1450 | 1510 | inch | 33 | 35 | 38 | 57 | 57 | 59 |
| Shipping weight (approx.) | kg | 290 | 370 | 485 | 610 | 720 | 912 | lbs | 638 | 814 | 1067 | 1342 | 1584 | 2006 |



**GALAXY Polymer batteries
are available with:
Non Corrosive material valves**

3/4" Filter

Manual Disc Filter

Features

- Durable filter element
- Corrosion free
- All Plastic
- Precise disc filtration

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|-----------------|-----|-----------------|------|
| | mm | | in | |
| Connection diameter | mm | 20 | in | 3/4 |
| Filtration surface area | cm ² | 160 | in ² | 24.8 |
| Filtration volume | cm ³ | 95 | in ³ | 5.8 |
| Pressure rating | bar | 10 | psi | 145 |
| Max. temp. | 0C | 60 | 0F | 140 |

Maximum Filtration Flow Rate / Water Quality

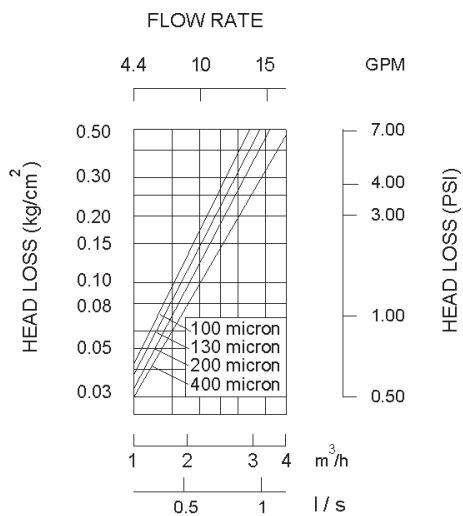
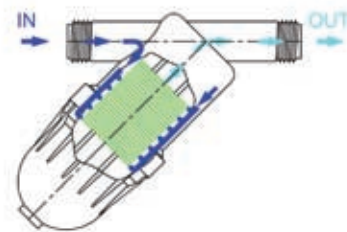
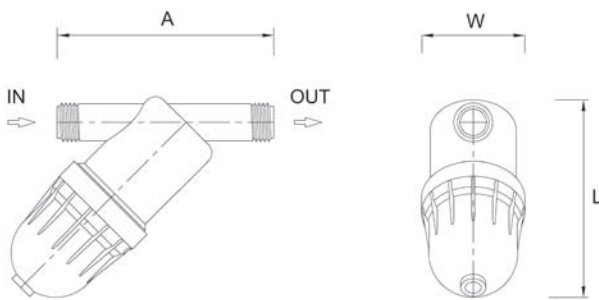
| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|------|
| 400-130 μ | Good | 4 | 17.6 |
| | Average | 3 | 13.5 |

3/4" Filter

Manual Disc Filter

Dimensions and Weights

| | | | | |
|---------------------------|----|------|------|---------|
| D Inlet/Outlet diameter | mm | 20 | inch | 3/4 |
| L Length | mm | 144 | inch | 5 11/16 |
| W Width | mm | 74 | inch | 2 29/32 |
| A | mm | 150 | inch | 5 29/32 |
| Shipping weight (approx.) | kg | 0.37 | lbs | 0.8 |



3/4" Filter is available in:
Polyester

3/4" Filtap

Manual Disc Filter

Features

- Precise disc filtration
- Durable filter element
- All plastic-corrosion free
- Built in, integral tap

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|-----------------|-----|-----------------|----------|
| | mm | | in | |
| Connection diameter | mm | 20 | in | 3/4 |
| Filtration surface area | cm ² | 160 | in ² | 24 13/16 |
| Filtration volume | cm ³ | 95 | in ³ | 5 13/16 |
| Pressure rating | bar | 10 | psi | 145 |
| Max. temp. | 0C | 60 | 0F | 140 |

Maximum Filtration Flow Rate / Water Quality

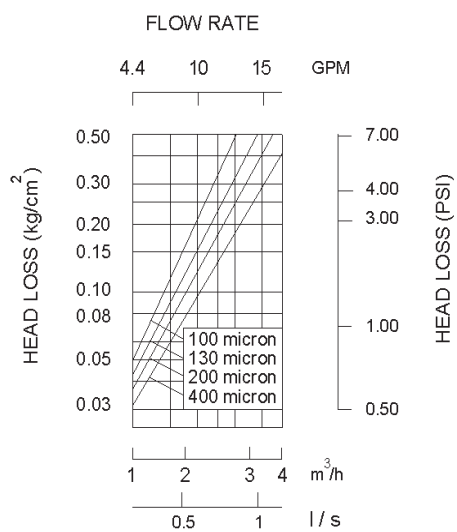
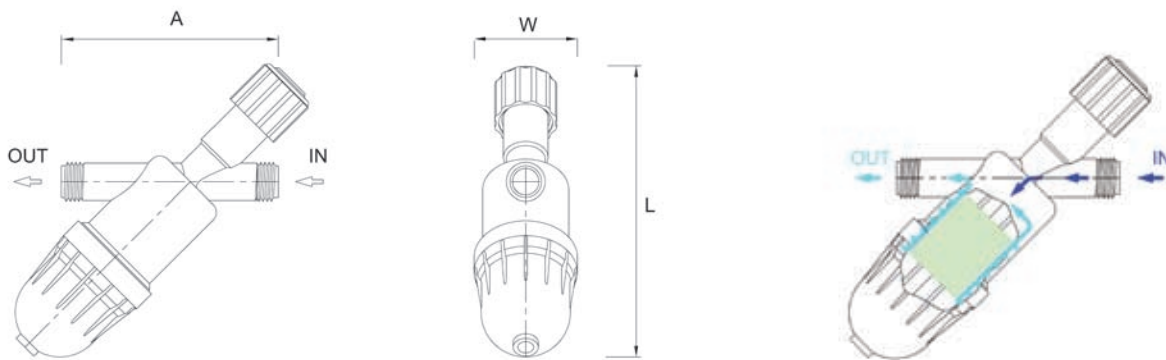
| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|------|
| 400-130 μ | Good | 4 | 18 |
| | Average | 3 | 13.5 |

3/4" Filtap

Manual Disc Filter

Dimensions and Weights

| | | | | |
|---------------------------|----|-------|------|---------|
| D Inlet/Outlet diameter | mm | 20 | inch | 3/4 |
| L Length | mm | 210 | inch | 8 1/4 |
| W Width | mm | 74 | inch | 2 29/32 |
| A | mm | 155 | inch | 6 3/32 |
| Shipping weight (approx.) | kg | 0.420 | lbs | 0.9 |



3/4" Filtap is available in:
Polyester.

1" Short Manual Disc Filter

Features

- Precise disc filtration
- Durable filter element
- All plastic-corrosion free

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|-----------------|-----|-----------------|-----|
| | mm | | in | |
| Connection diameter | mm | 25 | in | 1 |
| Filtration surface area | cm ² | 308 | in ² | 48 |
| Filtration volume | cm ³ | 370 | in ³ | 22 |
| Pressure rating | bar | 10 | psi | 145 |
| Max. temp. | 0C | 70 | 0F | 158 |

Maximum Filtration Flow Rate / Water Quality

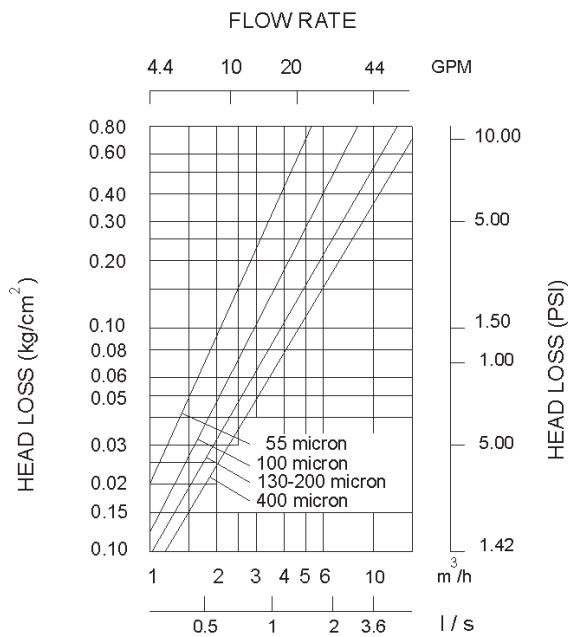
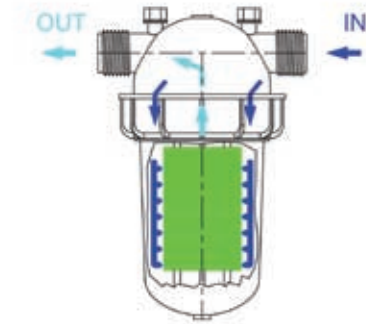
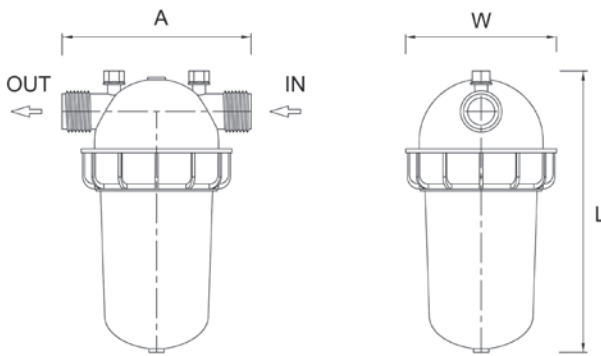
| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|------|
| 400-130 μ | Good | 6 | 26.5 |
| | Average | 4.5 | 20 |
| 55 μ | Good | 4.2 | 18.5 |
| | Average | 3.15 | 14 |

1" Short

Manual Disc Filter

Dimensions and Weights

| | | | | |
|---------------------------|----|-----|------|--------|
| D Inlet/Outlet diameter | mm | 25 | inch | 1 |
| L Length | mm | 233 | inch | 9 3/16 |
| W Width | mm | 130 | inch | 5 3/32 |
| A | mm | 158 | inch | 6 7/32 |
| Shipping weight (approx.) | kg | 1.1 | lbs | 2.4 |



1" Short is available in:
Polyamide or Polypropylene.

1" Super Manual Disc Filter

Features

- Precise disc filtration
- Durable filter element
- All plastic-corrosion free

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|-----------------|-------|-----------------|-------|
| | mm | | in | |
| Connection diameter | mm | 25 | in | 1 |
| Filtration surface area | cm ² | 501.2 | in ² | 77.78 |
| Filtration volume | cm ³ | 592 | in ³ | 36.1 |
| Pressure rating | bar | 10 | psi | 145 |
| Max. temp. | 0C | 70 | 0F | 158 |

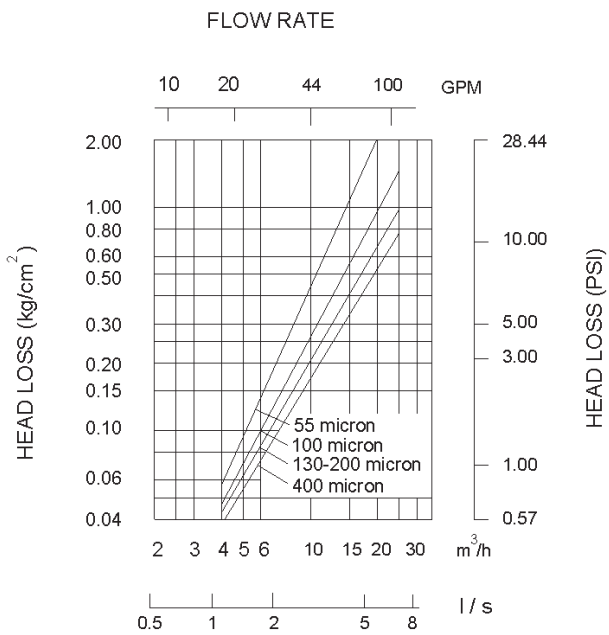
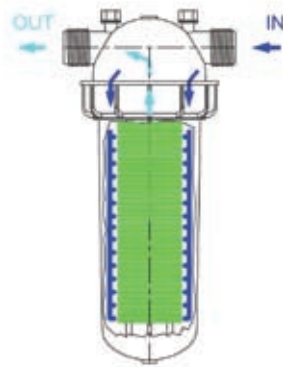
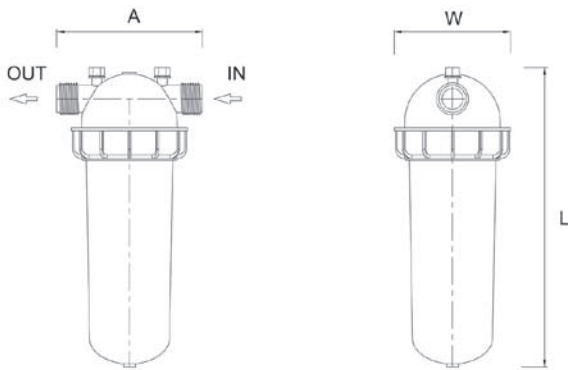
Maximum Filtration Flow Rate / Water Quality

| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|------|
| 400-130 μ | Good | 8 | 35 |
| | Average | 6 | 26.5 |
| 55 μ | Good | 5.6 | 25 |
| | Average | 4.2 | 18.5 |

1" Super Manual Disc Filter

Dimensions and Weights

| | | | | |
|---------------------------|----|------|------|----------|
| D Inlet/Outlet diameter | mm | 25 | inch | 1 |
| L Length | mm | 340 | inch | 13 13/32 |
| W Width | mm | 130 | inch | 5 3/32 |
| A | mm | 158 | inch | 6 7/32 |
| Shipping weight (approx.) | kg | 1.42 | lbs | 3.13 |



1" Super is available in:
Polyamide or Polypropylene.

1½" Short Manual Disc Filter

Features

- Precise disc filtration
- Durable filter element
- All plastic-corrosion free

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|--------|-----------------|------|-----------------|
| | mm | | in | |
| Connection diameter | 40 | | 1 ½" | |
| Filtration surface area | 308 | cm ² | 48 | in ² |
| Filtration volume | 370 | cm ³ | 23 | in ³ |
| Pressure rating | 10 | bar | 145 | psi |
| Max. temp. | 70 | °C | 158 | °F |

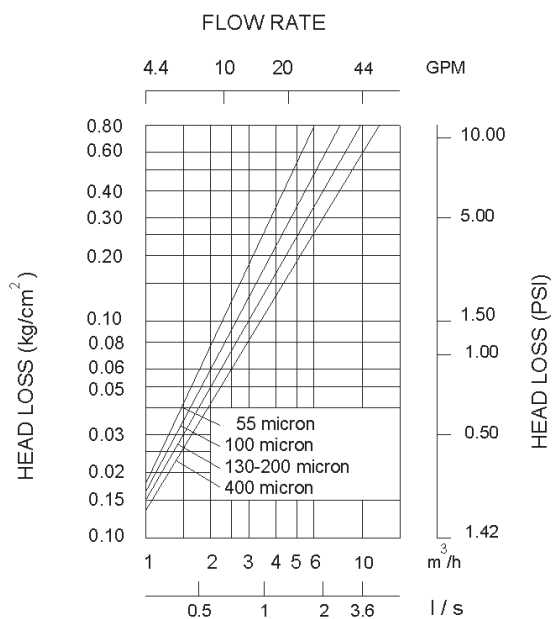
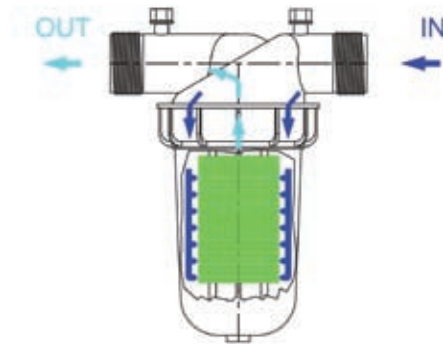
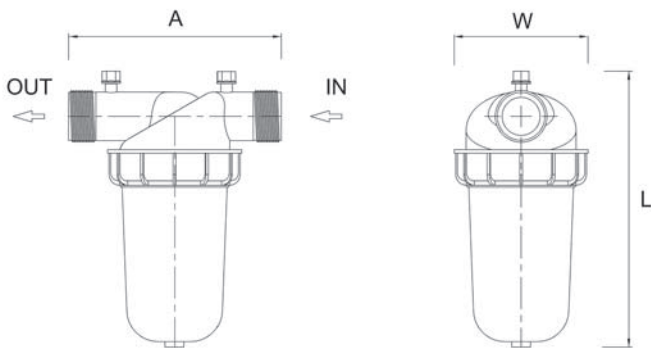
Maximum Filtration Flow Rate / Water Quality

| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|------|
| 400-130 µ | Good | 8 | 35 |
| | Average | 6 | 26.5 |
| 55 µ | Good | 5.6 | 25 |
| | Average | 4.2 | 18.5 |

1½" Short Manual Disc Filter

Dimensions and Weights

| | | | | |
|---------------------------|----|-----|------|---------|
| D Inlet/Outlet diameter | mm | 40 | inch | 1 1/2 |
| L Length | mm | 250 | inch | 9 27/32 |
| W Width | mm | 130 | inch | 5 3/32 |
| A | mm | 200 | inch | 7 7/8 |
| Shipping weight (approx.) | kg | 1.3 | lbs | 2.9 |



1½" Short is available in:
Polyamide or Polypropylene.

1½" Super Manual Disc Filter

Features

- Precise disc filtration
- Durable filter element
- All plastic-corrosion free

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|-----------------|-------|-----------------|---------|
| | mm | | in | |
| Connection diameter | mm | 40 | in | 1 1/2 |
| Filtration surface area | cm ² | 501.8 | in ² | 77.78 |
| Filtration volume | cm ³ | 592 | in ³ | 36 3/32 |
| Pressure rating | bar | 10 | psi | 145 |
| Max. temp. | 0C | 70 | 0F | 158 |

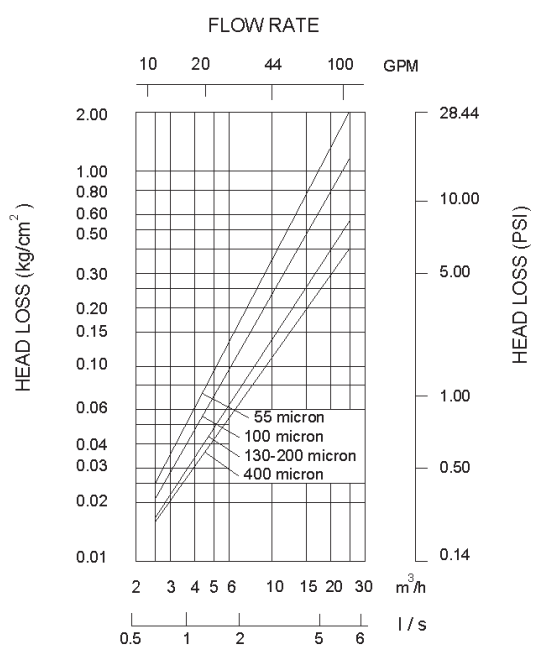
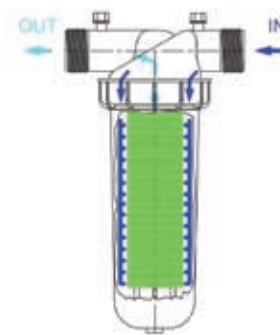
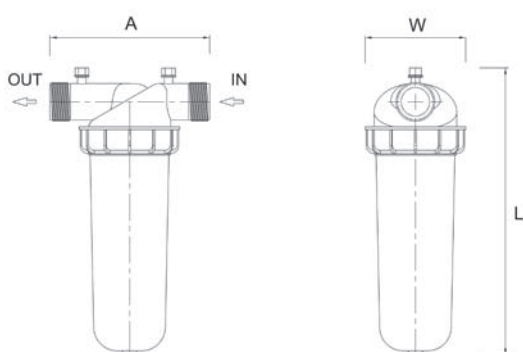
Maximum Filtration Flow Rate / Water Quality

| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|-----|
| 400-130 µ | Good | 12 | 53 |
| | Average | 9 | 40 |
| 55 µ | Good | 8.4 | 37 |
| | Average | 6.3 | 28 |

1½" Super Manual Disc Filter

Dimensions and Weights

| | | | | |
|---------------------------|----|------|------|----------|
| D Inlet/Outlet diameter | mm | 40 | inch | 1 1/2 |
| L Length | mm | 350 | inch | 13 25/32 |
| W Width | mm | 130 | inch | 5 3/32 |
| A | mm | 200 | inch | 7 7/8 |
| Shipping weight (approx.) | kg | 1.51 | lbs | 3.32 |



1½" Super is available in:
Polyamide or Polypropylene.

2" Dual Manual Disc Filter

Features

- Precise disc filtration
- High flow capacity
- Durable filter element
- All plastic-corrosion free

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|-----------------|-------|-----------------|-----|
| | | | | |
| Connection diameter | mm | 50 | in | 2 |
| Filtration surface area | cm ² | 950 | in ² | 148 |
| Filtration volume | cm ³ | 1,225 | in ³ | 75 |
| Pressure rating | bar | 12 | psi | 168 |
| Max. temp. | °C | 70 | °F | 158 |

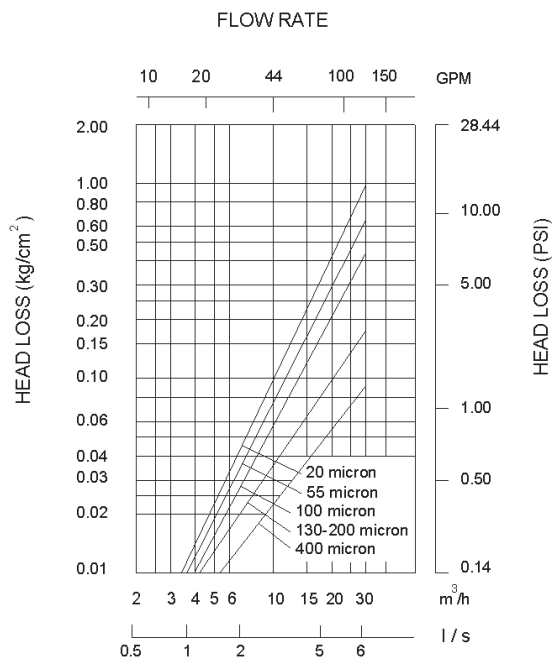
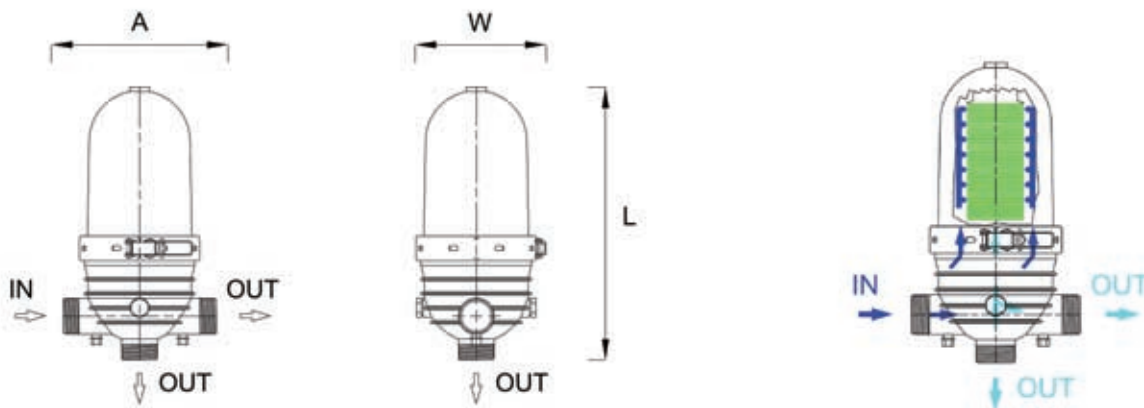
Maximum Filtration Flow Rate / Water Quality

| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|------|
| 400-130 µ | Good | 25 | 110 |
| | Average | 18.75 | 82.5 |
| 55 µ | Good | 17.5 | 77 |
| | Average | 13.1 | 58 |
| 20 µ | Good | 12.5 | 55 |
| | Average | 9.37 | 41 |

2" Dual Manual Disc Filter

Dimensions and Weights

| | | | | |
|---------------------------|----|-----|------|---------------------------------|
| D Inlet/Outlet diameter | mm | 50 | inch | 2 |
| L Length | mm | 465 | inch | 18 ⁵ / ₁₆ |
| W Width | mm | 200 | inch | 7 ⁷ / ₈ |
| A | mm | 260 | inch | 10 ¹ / ₄ |
| Shipping weight (approx.) | kg | 5 | lbs | 11 |



2" Dual is available in:
Polyamide or Polysulfon.

2" Super Manual Disc Filter

Features

- Precise disc filtration
- High flow capacity
- Durable filter element
- All plastic-corrosion free

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|-----------------|-------|-----------------|-----|
| | | | | |
| Connection diameter | mm | 50 | in | 2 |
| Filtration surface area | cm ² | 950 | in ² | 148 |
| Filtration volume | cm ³ | 1,225 | in ³ | 75 |
| Pressure rating | bar | 10 | psi | 145 |
| Max. temp. | °C | 70 | °F | 158 |

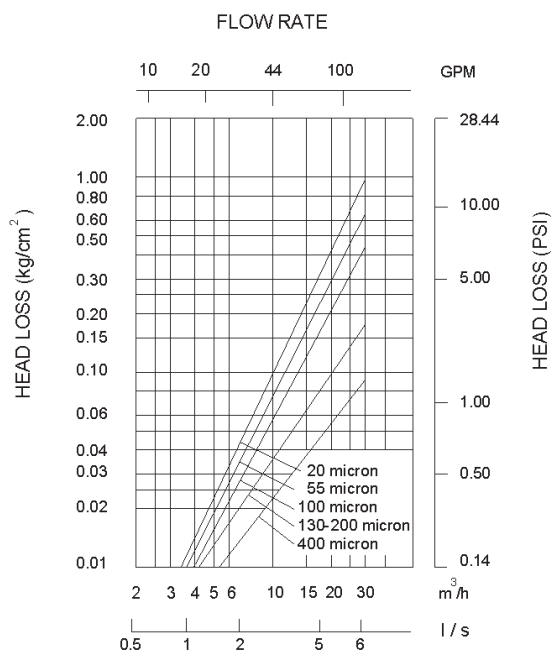
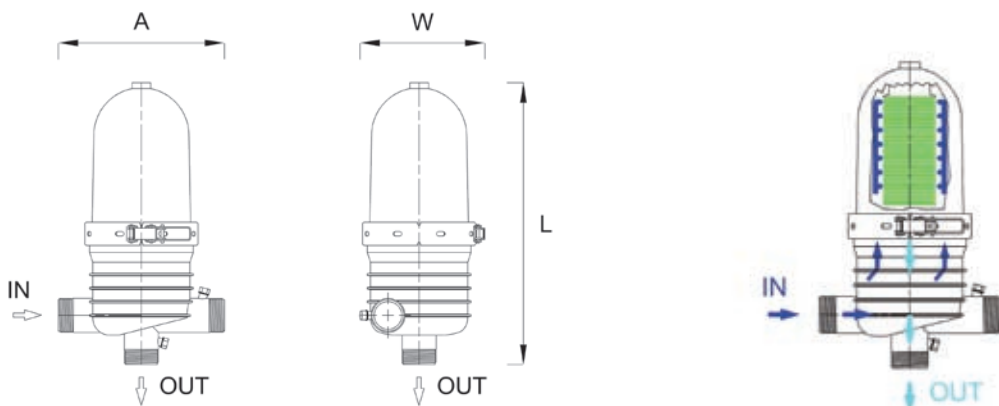
Maximum Filtration Flow Rate / Water Quality

| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|------|
| 400-130 µ | Good | 25 | 110 |
| | Average | 18.75 | 82.5 |
| 55 µ | Good | 17.5 | 77 |
| | Average | 13.1 | 58 |
| 20 µ | Good | 12.5 | 55 |
| | Average | 9.37 | 41 |

2" Super Manual Disc Filter

Dimensions and Weights

| | | | | |
|---------------------------|----|-----|------|----------|
| D Inlet/Outlet diameter | mm | 50 | inch | 2 |
| L Length | mm | 495 | inch | 19 1/2 |
| W Width | mm | 200 | inch | 7 7/8 |
| A | mm | 260 | inch | 11 13/32 |
| Shipping weight (approx.) | kg | 6 | lbs | 13.2 |



2" Super is available in:
Polyamide.

2" Leader Manual Disc Filter

Features

- Durable filter element
- Corrosion free
- All Polypropylene
- Precise disc filtration

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|-----------------|-------|-----------------|-----|
| | | | | |
| Connection diameter | mm | 50 | in | 2 |
| Filtration surface area | cm ² | 950 | in ² | 148 |
| Filtration volume | cm ³ | 1,225 | in ³ | 75 |
| Pressure rating | bar | 10 | psi | 145 |
| Max. temp. | °C | 70 | °F | 158 |

Maximum Filtration Flow Rate / Water Quality

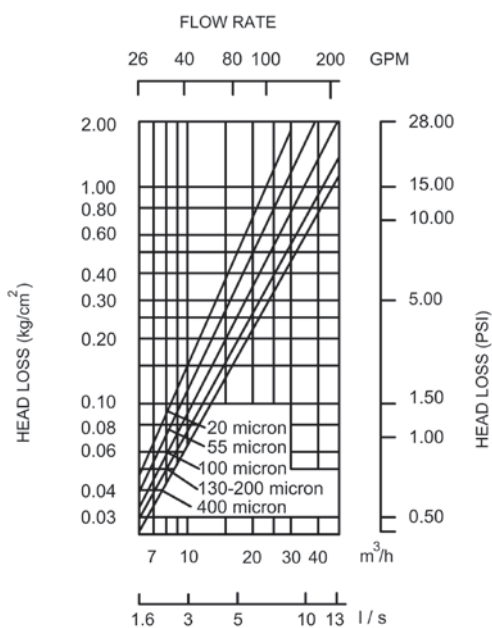
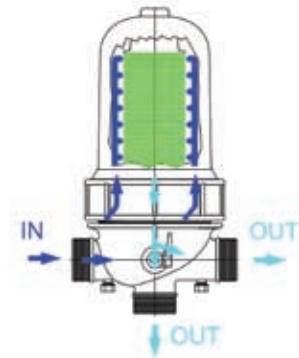
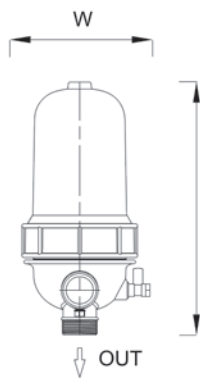
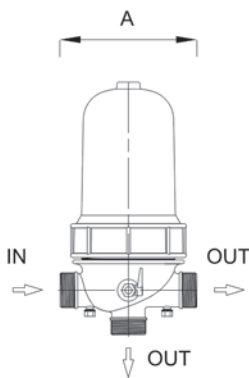
| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|------|
| 400-130 µ | Good | 30 | 132 |
| | Average | 21 | 92 |
| 55 µ | Good | 16 | 70.4 |
| | Average | 11 | 48.5 |
| 20 µ | Good | 8 | 35.2 |
| | Average | 5 | 22 |

2" Leader

Manual Disc Filter

Dimensions and Weights

| | | | | |
|---------------------------|----|-----|------|----------------------------------|
| D Inlet/Outlet diameter | mm | 50 | inch | 2 |
| L Length | mm | 425 | inch | 16 ²³ / ₃₂ |
| W Width | mm | 215 | inch | 8 ¹⁴ / ₃₂ |
| A | mm | 230 | inch | 9 ¹ / ₁₆ |
| Shipping weight (approx.) | kg | 3.2 | lbs | 7 |



2" Leader is available in:
Polypropylene.

3" Twin Manual Disc Filter

Features

- Precise disc filtration
- High flow capacity
- Durable filter element
- All plastic-corrosion free

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|-----------------|-------|-----------------|-----|
| | mm | | in | |
| Connection diameter | mm | 80 | in | 3 |
| Filtration surface area | cm ² | 1,900 | in ² | 294 |
| Filtration volume | cm ³ | 2,450 | in ³ | 150 |
| Pressure rating | bar | 10 | psi | 145 |
| Max. temp. | °C | 70 | °F | 158 |

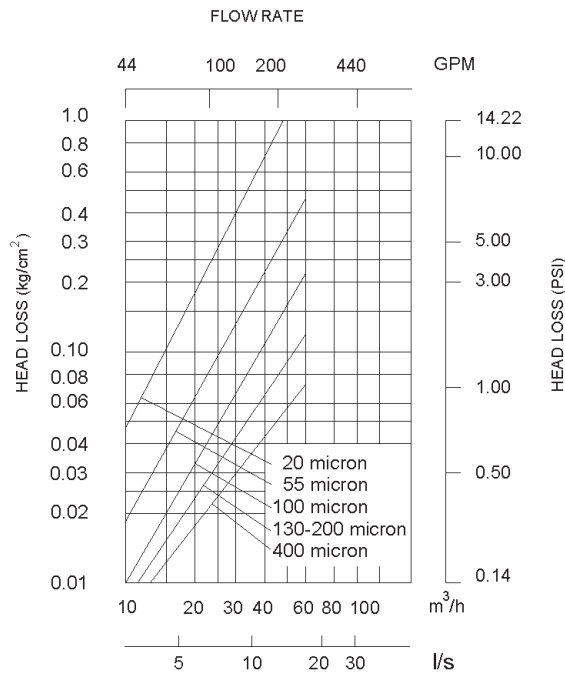
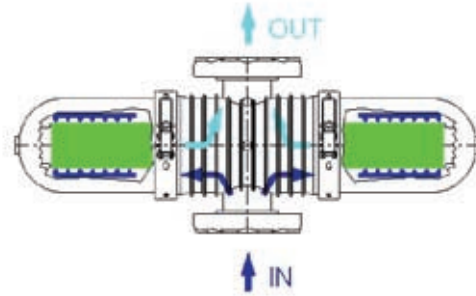
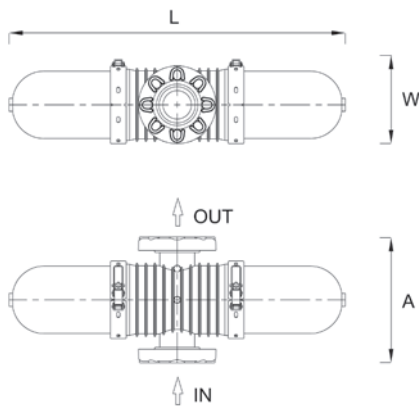
Maximum Filtration Flow Rate / Water Quality

| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|------|
| 400-130 µ | Good | 40 | 176 |
| | Average | 30 | 132 |
| 55 µ | Good | 28 | 123 |
| | Average | 21 | 92.5 |
| 20 µ | Good | 20 | 88 |
| | Average | 15 | 66 |

3" Twin Manual Disc Filter

Dimensions and Weights

| | | | | |
|---------------------------|----|------|------|----------|
| D Inlet/Outlet diameter | mm | 90 | inch | 3 |
| L Length | mm | 865 | inch | 34 1/16 |
| W Width | mm | 217 | inch | 8 9/16 |
| A | mm | 320 | inch | 12 19/32 |
| Shipping weight (approx.) | kg | 9.85 | lbs | 21.7 |



**3" Twin is available in:
Polyamide.**

3" Leader Manual Disc Filter

Features

- Durable filter element
- Corrosion free
- All Polypropylene
- Precise disc filtration

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|-----------------|-------|-----------------|-----|
| | mm | | in | |
| Connection diameter | mm | 90 | in | 3 |
| Filtration surface area | cm ² | 1,900 | in ² | 294 |
| Filtration volume | cm ³ | 2,450 | in ³ | 150 |
| Pressure rating | bar | 10 | psi | 145 |
| Max. temp. | °C | 70 | °F | 158 |

Maximum Filtration Flow Rate / Water Quality

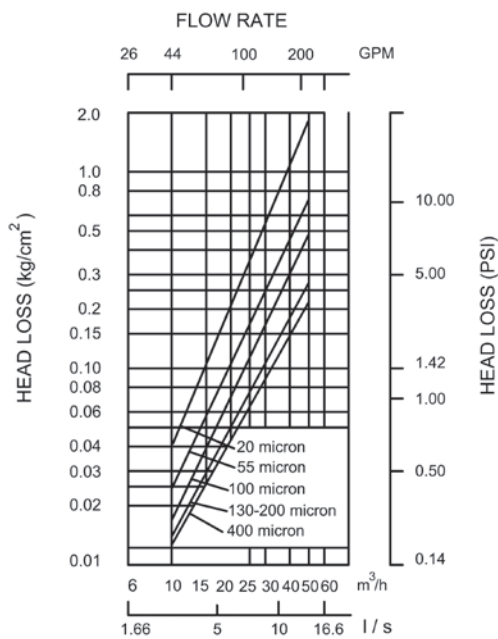
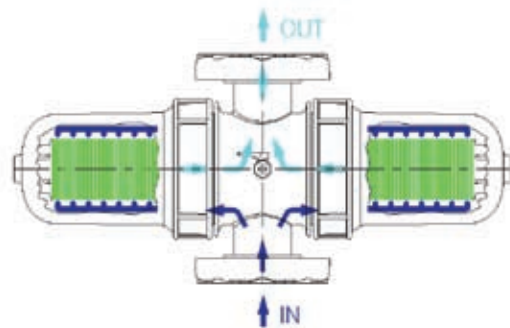
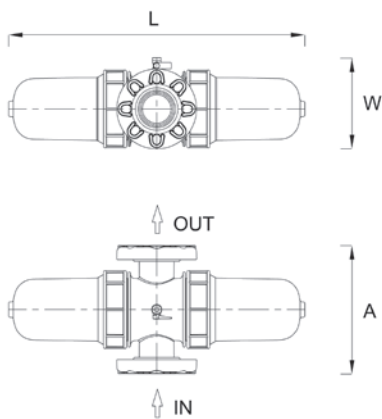
| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|------|
| 400-130 μ | Good | 50 | 220 |
| | Average | 35 | 154 |
| 55 μ | Good | 32 | 141 |
| | Average | 22 | 97 |
| 20 μ | Good | 16 | 70 |
| | Average | 11 | 48.4 |

3" Leader

Manual Disc Filter

Dimensions and Weights

| | | | | |
|---------------------------|----|-----|------|----------------------------------|
| D Inlet/Outlet diameter | mm | 90 | inch | 3 |
| L Length | mm | 742 | inch | 29 ⁷ / ₃₂ |
| W Width | mm | 228 | inch | 8 ³ / ₃₂ |
| A | mm | 320 | inch | 12 ¹⁹ / ₃₂ |
| Shipping weight (approx.) | kg | 6.3 | lbs | 13.9 |



3" Leader Filter is available in:
Polypropylene.

3" Super Angle Manual Disc Filter

Features

- High flow capacity
- Durable filter element
- Corrosion free
- All Plastic
- Precise disc filtration

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|-----------------|-------|-----------------|-----|
| | mm | | in | |
| Connection diameter | mm | 90 | in | 3 |
| Filtration surface area | cm ² | 1,852 | in ² | 287 |
| Filtration volume | cm ³ | 1,774 | in ³ | 108 |
| Pressure rating | bar | 10 | psi | 145 |
| Max. temp. | 0C | 70 | 0F | 158 |

Maximum Filtration Flow Rate / Water Quality

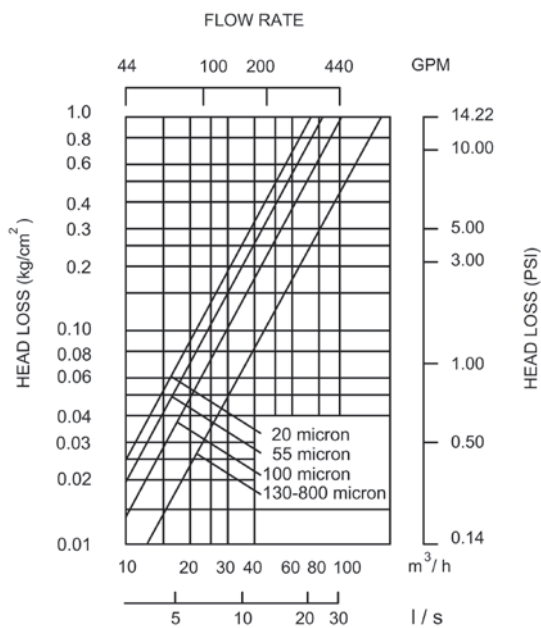
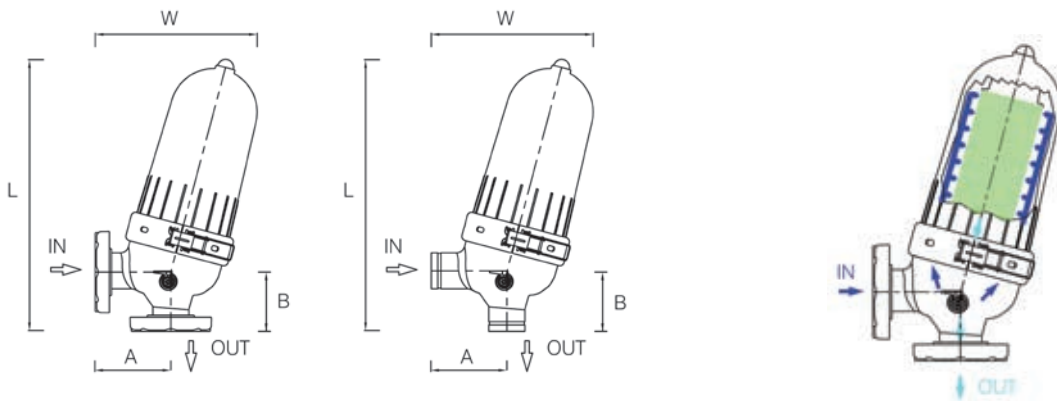
| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|-----|
| 400-130 μ | Good | 60 | 264 |
| | Average | 50 | 220 |
| 100 μ | Good | 50 | 220 |
| | Average | 40 | 176 |
| 55 μ | Good | 35 | 154 |
| | Average | 24 | 106 |
| 20 μ | Good | 18 | 79 |
| | Average | 12 | 53 |

3" Super Angle

Manual Disc Filter

Dimensions and Weights

| | | | | |
|---------------------------|----|-------|------|---------------------------------|
| D Inlet/Outlet diameter | mm | 90 | inch | 3 |
| L Length | mm | 700 | inch | 27 ⁹ / ₁₆ |
| W Width | mm | 400 | inch | 15 ³ / ₄ |
| A | mm | 185 | inch | 7 ⁹ / ₃₂ |
| B | mm | 145 | inch | 5 ²³ / ₃₂ |
| Shipping weight (approx.) | kg | 11.47 | lbs | 25.3 |



3" Super Angle Filter
is available in:
Polypropylene.

4" Super Angle Manual Disc Filter

Features

- High flow capacity
- Durable filter element
- Corrosion free
- All Plastic
- Precise disc filtration

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|--------|------|-----|-------|
| | mm | cm | in | ft |
| Connection diameter | 110 | 4.33 | 4 | 0.33 |
| Filtration surface area | 1,852 | 0.28 | 287 | 0.02 |
| Filtration volume | 1,774 | 0.06 | 108 | 0.003 |
| Pressure rating | 10 | 1.45 | 145 | 21 |
| Max. temp. | 70 | 158 | 158 | 314 |

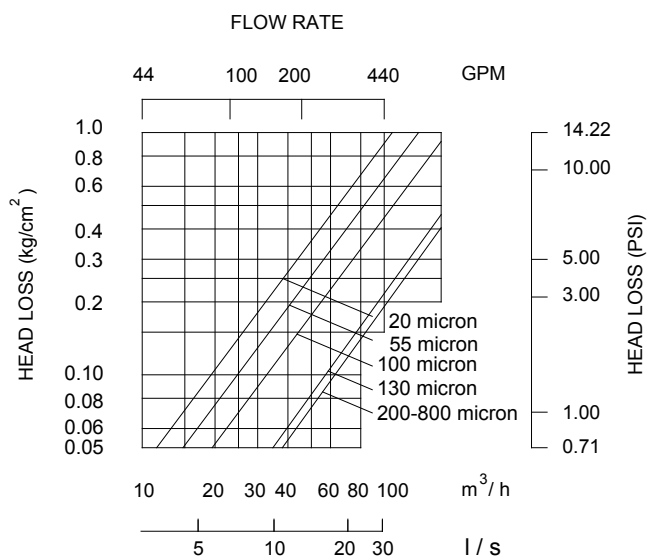
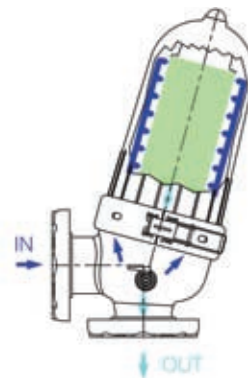
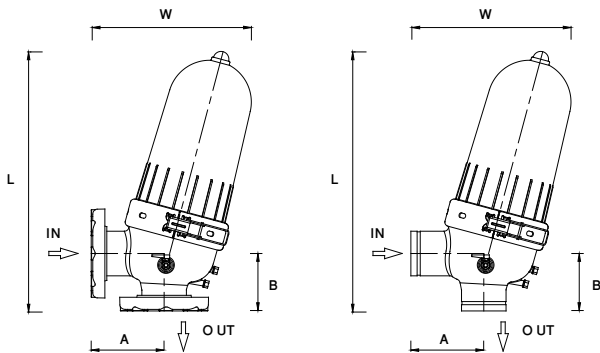
Maximum Filtration Flow Rate / Water Quality

| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|-----|
| 400-130 μ | Good | 90 | 396 |
| | Average | 60 | 264 |
| 100 μ | Good | 50 | 220 |
| | Average | 40 | 176 |
| 55 μ | Good | 35 | 154 |
| | Average | 24 | 106 |
| 20 μ | Good | 18 | 79 |
| | Average | 12 | 53 |

4" Super Angle Manual Disc Filter

Dimensions and Weights

| | | | | |
|---------------------------|----|-------|------|---------------------------------|
| D Inlet/Outlet diameter | mm | 110 | inch | 4 |
| L Length | mm | 700 | inch | 27 ⁹ / ₁₆ |
| W Width | mm | 400 | inch | 15 ³ / ₄ |
| A | mm | 185 | inch | 7 ⁹ / ₃₂ |
| B | mm | 145 | inch | 5 ²³ / ₃₂ |
| Shipping weight (approx.) | kg | 13.16 | lbs | 29 |



4" SuperAngle Filter
is available in:
Polypropylene.

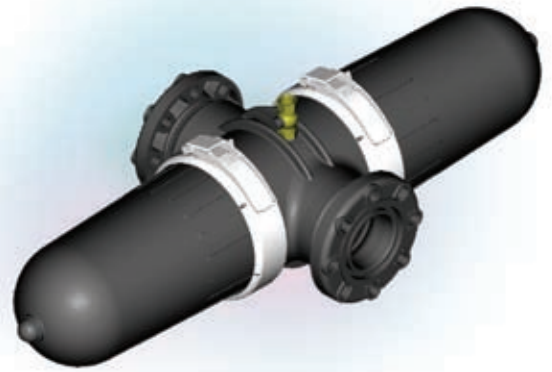
4" Super Leader

Manual Disc Filter

Features

- High flow capacity
- Durable filter element
- Corrosion free
- All Polypropylene
- Precise disc filtration

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|-----------------|-------|-----------------|-----|
| | mm | | in | |
| Connection diameter | mm | 110 | in | 4 |
| Filtration surface area | cm ² | 3,704 | in ² | 576 |
| Filtration volume | cm ³ | 3,548 | in ³ | 216 |
| Pressure rating | bar | 10 | psi | 145 |
| Max. temp. | 0C | 70 | 0F | 158 |

Maximum Filtration Flow Rate / Water Quality

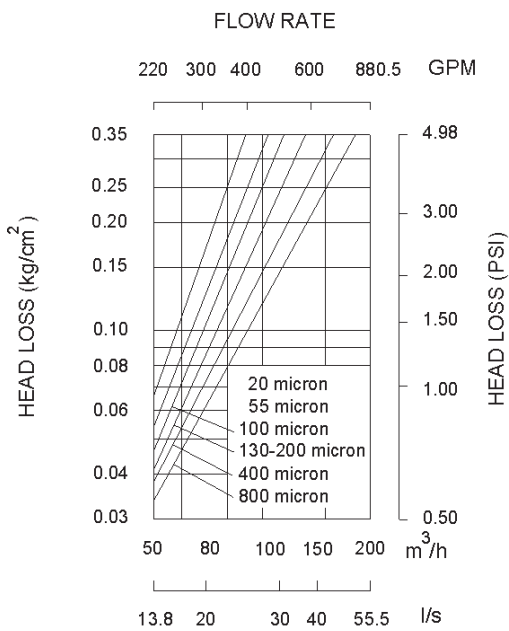
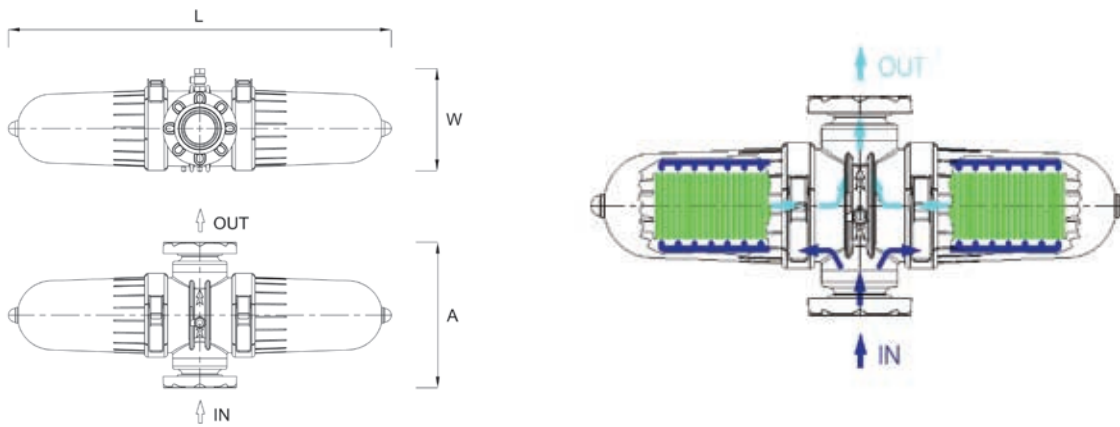
| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|-----|
| 400-130 μ | Good | 110 | 484 |
| | Average | 77 | 339 |
| 55 μ | Good | 60 | 264 |
| | Average | 42 | 185 |
| 20 μ | Good | 38 | 167 |
| | Average | 26 | 114 |

4" Super Leader

Manual Disc Filter

Dimensions and Weights

| | | | | |
|---------------------------|----|------|------|----------------------------------|
| D Inlet/Outlet diameter | mm | 110 | inch | 4 |
| L Length | mm | 1188 | inch | 46 ²⁵ / ₃₂ |
| W Width | mm | 319 | inch | 12 ⁹ / ₁₆ |
| A | mm | 445 | inch | 17 ¹ / ₂ |
| Shipping weight (approx.) | kg | 28.8 | lbs | 63.5 |



4" Super Leader Filter is available in:
Polypropylene.

6" Super Leader

Manual Disc Filter

Features

- High flow capacity
- Durable filter element
- Corrosion free
- All Polypropylene
- Precise disc filtration

Manual Filters



Technical Data

| | METRIC | | US | |
|-------------------------|-----------------|-------|-----------------|-----|
| | mm | | in | |
| Connection diameter | mm | 160 | in | 6 |
| Filtration surface area | cm ² | 3,704 | in ² | 574 |
| Filtration volume | cm ³ | 3,548 | in ³ | 216 |
| Pressure rating | bar | 10 | psi | 145 |
| Max. temp. | 0C | 70 | 0F | 158 |

Maximum Filtration Flow Rate / Water Quality

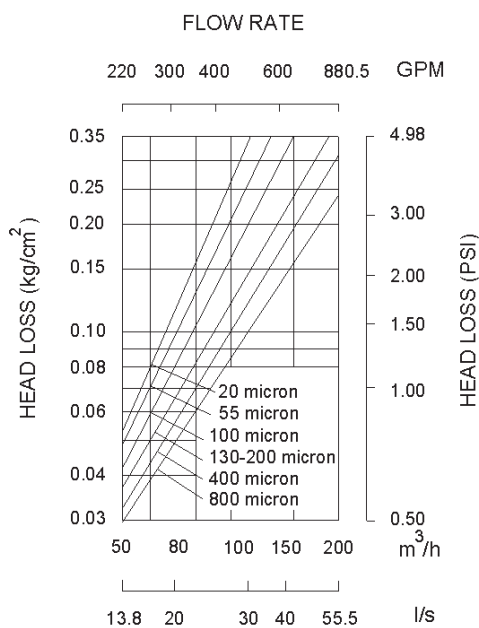
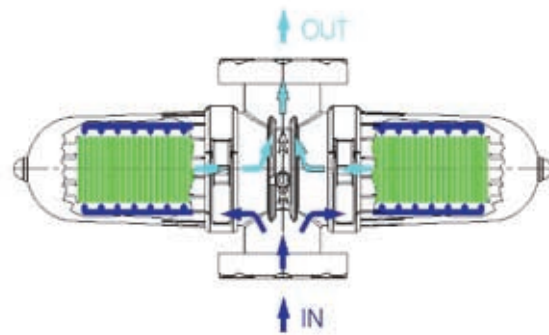
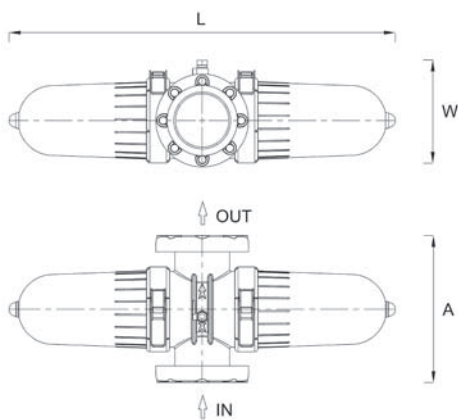
| Filtration Grade | Water Quality | m ³ /h | gpm |
|------------------|---------------|-------------------|-----|
| 400-130 μ | Good | 140 | 616 |
| | Average | 98 | 431 |
| 55 μ | Good | 70 | 308 |
| | Average | 49 | 216 |
| 20 μ | Good | 42 | 185 |
| | Average | 29 | 128 |

6" Super Leader

Manual Disc Filter

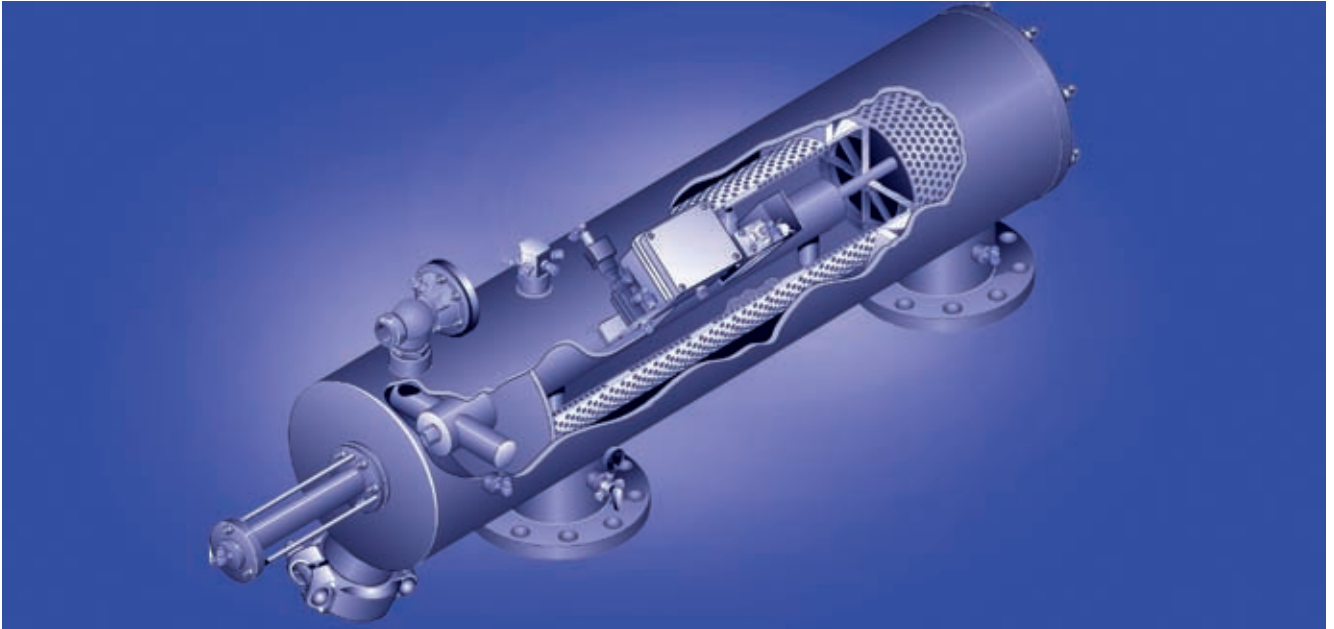
Dimensions and Weights

| | | | | |
|---------------------------|----|------|------|----------------------------------|
| D Inlet/Outlet diameter | mm | 160 | inch | 6 |
| L Length | mm | 1188 | inch | 46 ⁷ / ₃₂ |
| W Width | mm | 319 | inch | 12 ⁹ / ₁₆ |
| A | mm | 415 | inch | 16 ¹¹ / ₃₂ |
| Shipping weight (approx.) | kg | 30.4 | lbs | 67 |

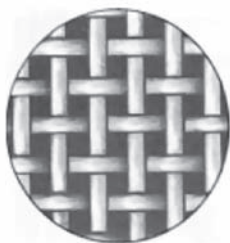


6" Super Leader Filter is available in:
Polypropylene.

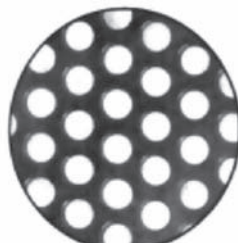
Screen Filtration Technology



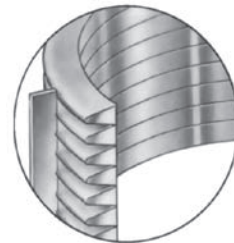
- Screen filters can be built in almost any size and are commercially available for a wide range of flow rates.
- Screens are made either of a woven mesh, perforated plates or a wedge wire construction.
- A screen filter is a surface filter with only one retention point for solids. While dirty water passes through the filter vessel from the inside to the outside of the screen, the larger particles are physically prevented from passing and are retained on the screen.



Woven Screen



Perforated Screen



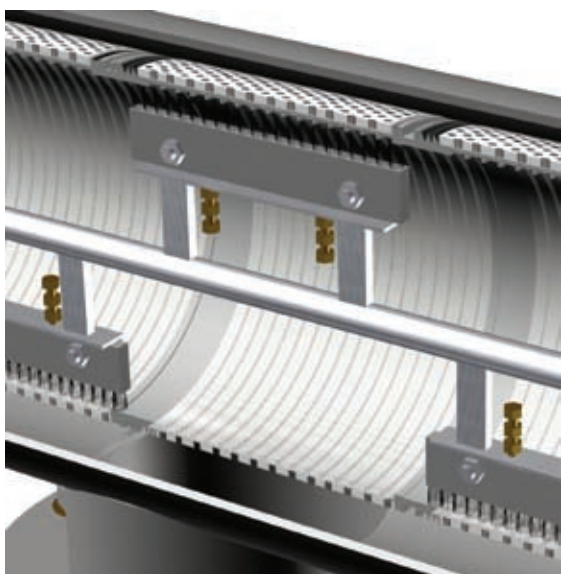
Wedge Wire Screen

Screen Filtration Technology

Screen sizes are available from 3000 to 20 micron.

The effective filtration area of a screen filter can be quite high and the initial "clean" head loss is quite low. The PD however, can build up quickly, making an effective cleaning schedule essential. Screen filters can be cleaned manually or automatically, like all other types of filter.

Manual cleaning usually involves removing the filter element and hosing/brushing it clean. Automatic cleaning is activated automatically as the particles, trapped on the inside surface of the fine screen create a differential pressure buildup. A number of cleaning methods are available:

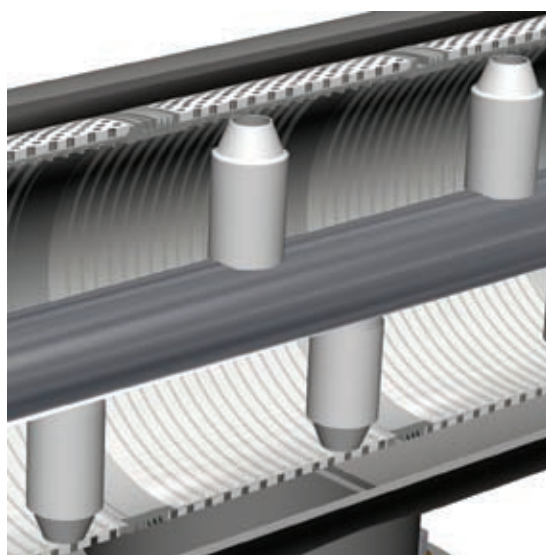


Rotating brush cleaning:

A brush rotates over the screen element dislodging the "filter cake" and a purge valve flushes the dirt out through a drain while the system is under pressure.

Vacuum scanner cleaning:

A rotating vacuum scanner lifts "filter cake" off the screen without actually making physical contact. The rotation and linear movement of the scanner allow it to reach every part of the screen in minimal time. This system can be very effective and does not damage the screen as a brush could.



B Series

Compact, self-flushing screen filter

Features

- Installed in angle position
- Supplied in 2" - 8" inlet / outlet connections
- Low backwash water consumption



Technical Data

| Model | | B-2 | B-3 | B-4 | B-6 | B-8 | | B-2 | B-3 | B-4 | B-6 | B-8 |
|----------------------------------|-------------------|---------------------------|------|------|------|------|-------------------|---------------------------|-----|-----|-----|-----|
| | METRIC | | | | | | US | | | | | |
| Connection diameter | mm | 50 | 90 | 110 | 160 | 225 | inch | 2 | 3 | 4 | 6 | 8 |
| Screen area | cm ² | 1100 | 1100 | 1630 | 4500 | 5780 | inch ² | 170 | 170 | 253 | 697 | 895 |
| Flush flow rate at min. pressure | m ³ /h | 6 | 6 | 6 | 20 | 20 | gpm | 26 | 26 | 26 | 88 | 88 |
| Pressure range | bar | 2-10 | | | | | psi | 29-145 | | | | |
| Max. temp. | °C | 65 | | | | | °F | 149 | | | | |
| Control voltage | | 9 V DC or 220 V / 24 V AC | | | | | | 9 V DC or 110 V / 24 V AC | | | | |

Maximum Filtration Flow Rate / Water Quality

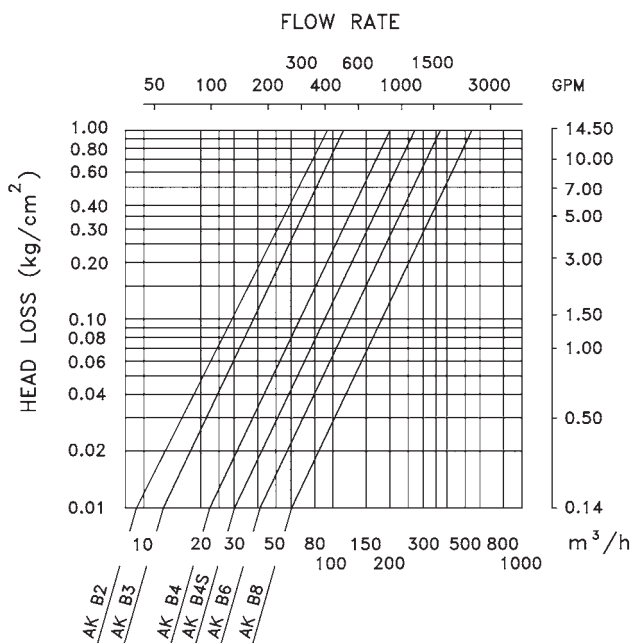
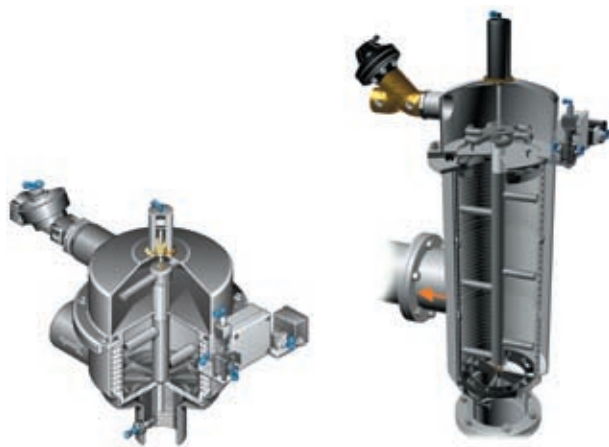
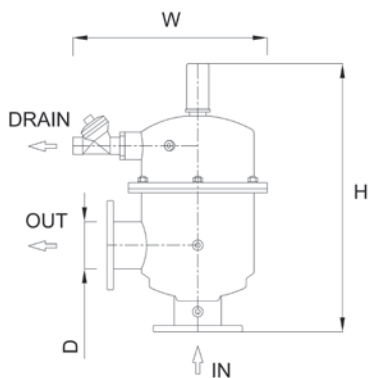
| Model | | B-2 | B-3 | B-4 | B-6 | B-8 | B-2 | B-3 | B-4 | B-6 | B-8 |
|------------------|---------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Filtration Grade | Water Quality | m ³ /h | | | | | gpm | | | | |
| 400 μ | Good | 25 | 40 | 80 | 130 | 200 | 110 | 176 | 352 | 572 | 880 |
| | Average | 25 | 40 | 80 | 130 | 200 | 110 | 176 | 352 | 572 | 880 |
| | Poor | 25 | 40 | 80 | 130 | 200 | 110 | 176 | 352 | 572 | 880 |
| 200 μ | Good | 25 | 40 | 80 | 130 | 200 | 110 | 176 | 352 | 572 | 880 |
| | Average | 20 | 35 | 70 | 90 | 170 | 88 | 154 | 308 | 396 | 748 |
| | Poor | 15 | 25 | 40 | 70 | 130 | 66 | 110 | 176 | 308 | 572 |
| 150-100 μ | Good | 25 | 40 | 80 | 130 | 200 | 110 | 176 | 352 | 572 | 880 |
| | Average | 15 | 25 | 40 | 70 | 150 | 66 | 110 | 176 | 308 | 660 |
| | Poor | 10 | 20 | 35 | 60 | 120 | 44 | 88 | 154 | 264 | 528 |
| 80-50 μ | Good | 10 | 20 | 35 | 60 | 120 | 44 | 88 | 154 | 264 | 528 |
| | Average | 8 | 18 | 25 | 50 | 90 | 35 | 79 | 110 | 220 | 396 |
| | Poor | 6 | 15 | 20 | 40 | 60 | 26 | 66 | 88 | 176 | 264 |

B Series

Compact, self-flushing screen filter

Dimensions and Weights

| Model | | B-2 | B-3 | B-4 | B-6 | B-8 | | B-2 | B-3 | B-4 | B-6 | B-8 |
|-----------------------------|----|-------|-------|-------|------|------|------|-----|-----|-----|-----|------|
| D | mm | 50 | 80 | 100 | 165 | 225 | inch | 2 | 3 | 4 | 6 | 8 |
| H | mm | 480 | 495 | 650 | 1150 | 1230 | inch | 19 | 19 | 26 | 45 | 48 |
| W | mm | 471.5 | 471.5 | 471.5 | 459 | 470 | inch | 19 | 19 | 19 | 18 | 18.5 |
| Approximate shipping weight | kg | 24 | 25 | 28 | 76 | 130 | lbs | 53 | 55 | 61 | 167 | 286 |



B filtration units can be supplied in:
Polyester coated steel or
Stainless steel

B Series

Compact, self-flushing screen filter

Features

- Installed in angle position
- Supplied in 2" - 8" inlet / outlet connections
- Low backwash water consumption



Technical Data

| Model | | B-2 | B-3 | B-4 | B-6 | B-8 | | B-2 | B-3 | B-4 | B-6 | B-8 |
|----------------------------------|-------------------|--------------------------|------|------|------|------|-------------------|--------------------------|-----|-----|-----|-----|
| | METRIC | | | | | | US | | | | | |
| Connection diameter | mm | 50 | 90 | 110 | 160 | 225 | inch | 2 | 3 | 4 | 6 | 8 |
| Screen area | cm ² | 1100 | 1100 | 1630 | 4500 | 5780 | inch ² | 170 | 170 | 253 | 697 | 895 |
| Flush flow rate at min. pressure | m ³ /h | 6 | 6 | 6 | 20 | 20 | gpm | 26 | 26 | 26 | 88 | 88 |
| Pressure range | bar | 2-10 | | | | | psi | 29-145 | | | | |
| Max. temp. | °C | 65 | | | | | °F | 149 | | | | |
| Control voltage | | 9 V DC or 220 V/ 24 V AC | | | | | | 9 V DC or 110 V/ 24 V AC | | | | |

Maximum Filtration Flow Rate / Water Quality

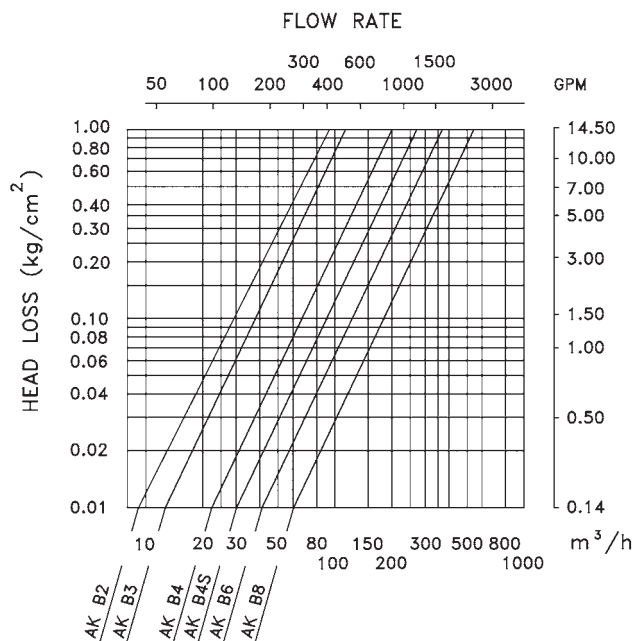
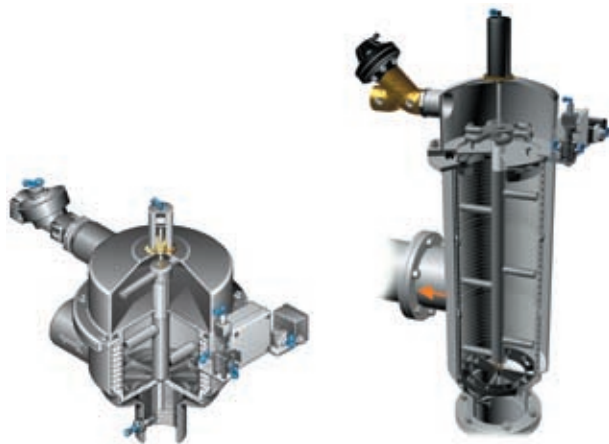
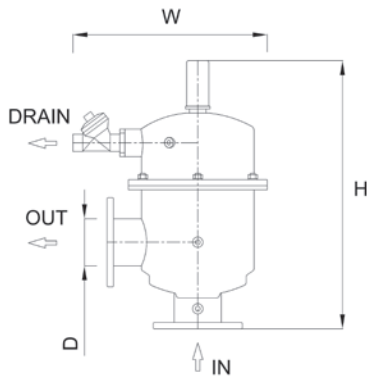
| Model | | B-2 | B-3 | B-4 | B-6 | B-8 | B-2 | B-3 | B-4 | B-6 | B-8 |
|------------------|---------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Filtration Grade | Water Quality | m ³ /h | | | | | gpm | | | | |
| 400 μ | Good | 25 | 40 | 80 | 130 | 200 | 110 | 176 | 352 | 572 | 880 |
| | Average | 25 | 40 | 80 | 130 | 200 | 110 | 176 | 352 | 572 | 880 |
| | Poor | 25 | 40 | 80 | 130 | 200 | 110 | 176 | 352 | 572 | 880 |
| 200 μ | Good | 25 | 40 | 80 | 130 | 200 | 110 | 176 | 352 | 572 | 880 |
| | Average | 20 | 35 | 70 | 90 | 170 | 88 | 154 | 308 | 396 | 748 |
| | Poor | 15 | 25 | 40 | 70 | 130 | 66 | 110 | 176 | 308 | 572 |
| 150-100 μ | Good | 25 | 40 | 80 | 130 | 200 | 110 | 176 | 352 | 572 | 880 |
| | Average | 15 | 25 | 40 | 70 | 150 | 66 | 110 | 176 | 308 | 660 |
| | Poor | 10 | 20 | 35 | 60 | 120 | 44 | 88 | 154 | 264 | 528 |
| 80-50 μ | Good | 10 | 20 | 35 | 60 | 120 | 44 | 88 | 154 | 264 | 528 |
| | Average | 8 | 18 | 25 | 50 | 90 | 35 | 79 | 110 | 220 | 396 |
| | Poor | 6 | 15 | 20 | 40 | 60 | 26 | 66 | 88 | 176 | 264 |

B Series

Compact, self-flushing screen filter

Dimensions and Weights

| Model | | B-2 | B-3 | B-4 | B-6 | B-8 | | B-2 | B-3 | B-4 | B-6 | B-8 |
|-----------------------------|----|-------|-------|-------|------|------|------|-----|-----|-----|-----|------|
| D | mm | 50 | 80 | 100 | 165 | 225 | inch | 2 | 3 | 4 | 6 | 8 |
| H | mm | 480 | 495 | 650 | 1150 | 1230 | inch | 19 | 19 | 26 | 45 | 48 |
| W | mm | 471.5 | 471.5 | 471.5 | 459 | 470 | inch | 19 | 19 | 19 | 18 | 18.5 |
| Approximate shipping weight | kg | 24 | 25 | 28 | 76 | 130 | lbs | 53 | 55 | 61 | 167 | 286 |



B filtration units can be supplied in:
Polyester coated steel or
Stainless steel

BE Series

Self cleaning electric screen filter with piston operated scanner

Features

- Installed in angle position
- Supplied in 2" - 8" inlet / outlet connections
- Low backwash water consumption



Technical Data

| Model | | B-2 | B-3 | B-4 | B-6 | B-8 | | B-2 | B-3 | B-4 | B-6 | B-8 |
|----------------------------------|-------------------|--------------------|------|------|------|------|-------------------|--------------------|-----|-----|-----|-----|
| | METRIC | | | | | | US | | | | | |
| Connection diameter | mm | 50 | 90 | 110 | 160 | 225 | inch | 2 | 3 | 4 | 6 | 8 |
| Screen area | cm ² | 1100 | 1100 | 1630 | 4120 | 5240 | inch ² | 170 | 170 | 253 | 639 | 812 |
| Flush flow rate at min. pressure | m ³ /h | 6 | 6 | 6 | 20 | 20 | gpm | 26 | 26 | 26 | 88 | 88 |
| Pressure range | bar | 1 - 10 | | | | | psi | 14.5 - 145 | | | | |
| Max. temp. | °C | 65 | | | | | °F | 149 | | | | |
| Control voltage | | 380 V AC / 24 V AC | | | | | | 480 V AC / 24 V AC | | | | |

Maximum Filtration Flow Rate / Water Quality

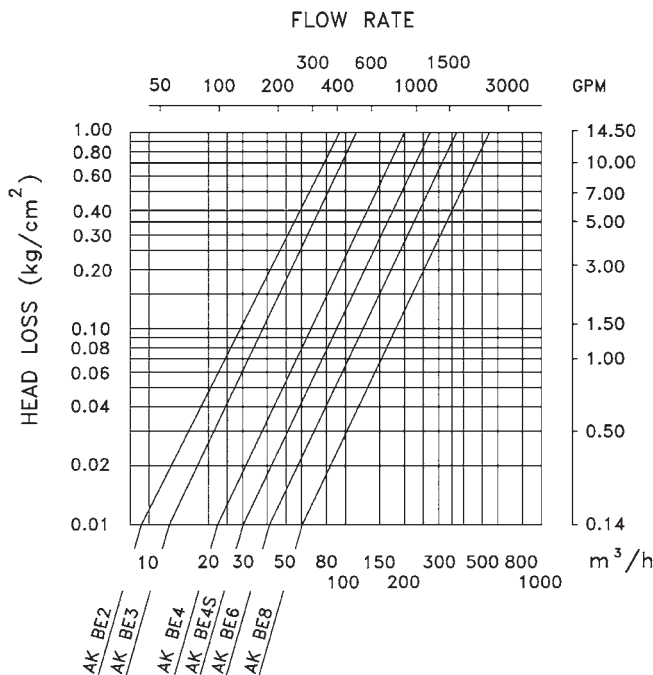
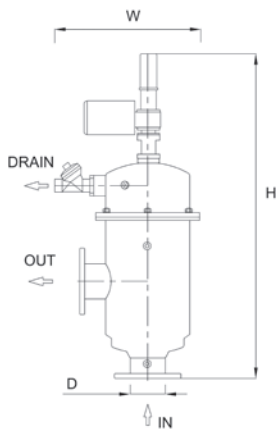
| Model | | B-2 | B-3 | B-4 | B-6 | B-8 | B-2 | B-3 | B-4 | B-6 | B-8 |
|------------------|---------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Filtration Grade | Water Quality | m ³ /h | | | | | gpm | | | | |
| 400 μ | Good | 25 | 40 | 80 | 100 | 200 | 110 | 176 | 352 | 440 | 880 |
| | Average | 25 | 40 | 80 | 100 | 200 | 110 | 176 | 352 | 440 | 880 |
| | Poor | 25 | 40 | 80 | 100 | 200 | 110 | 176 | 352 | 440 | 880 |
| 200 μ | Good | 25 | 40 | 80 | 100 | 200 | 110 | 176 | 352 | 440 | 880 |
| | Average | 20 | 35 | 70 | 90 | 170 | 88 | 154 | 308 | 396 | 748 |
| | Poor | 15 | 25 | 40 | 70 | 130 | 66 | 110 | 176 | 308 | 572 |
| 150-100 μ | Good | 25 | 40 | 80 | 130 | 200 | 110 | 176 | 352 | 572 | 880 |
| | Average | 15 | 25 | 40 | 70 | 150 | 66 | 110 | 176 | 308 | 660 |
| | Poor | 10 | 20 | 35 | 60 | 120 | 44 | 88 | 154 | 264 | 528 |
| 80-50 μ | Good | 10 | 20 | 35 | 60 | 120 | 44 | 88 | 154 | 264 | 528 |
| | Average | 8 | 18 | 25 | 50 | 90 | 35 | 79 | 110 | 220 | 396 |
| | Poor | 6 | 15 | 20 | 40 | 60 | 26 | 66 | 88 | 176 | 264 |

BE Series

Self cleaning electric screen filter with piston operated scanner

Dimensions and Weights

| Model | | B-2 | B-3 | B-4 | B-6 | B-8 | | B-2 | B-3 | B-4 | B-6 | B-8 |
|-----------------------------|----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-----|
| D | mm | 50 | 90 | 110 | 160 | 225 | inch | 2 | 3 | 4 | 6 | 8 |
| H | mm | 745 | 760 | 878 | 1250 | 1622 | inch | 29 | 30 | 35 | 49 | 64 |
| W | mm | 472 | 472 | 472 | 472 | 472 | inch | 19 | 19 | 19 | 19 | 19 |
| Approximate shipping weight | kg | 47 | 48 | 51 | 93 | 153 | lbs | 103 | 105 | 112 | 205 | 337 |



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

H Series

Hydraulic operated self cleaning screen filter

Features

- Installed in line or parallel
- Supplied in 3" - 16" inlet / outlet diameter
- Low backwash water



Technical Data

| Model | LP | H-3 | H-4 | H-6 | H-8 | H-10 | H-12 | H-14 | H-16 | LP | H-3 | H-4 | H-6 | H-8 | H-10 | H-12 | H-14 | H-16 | | |
|----------------------------------|-------------------|---------------------------|------|------|------|------|-------|-------|-------|-------------------|-----|---------------------------|-----|------|------|------|------|------|--|--|
| | METRIC | | | | | | | | | US | | | | | | | | | | |
| Connection diameter | mm | 90 | 110 | 160 | 225 | 280 | 315 | 355 | 400 | inch | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | | |
| Screen area | cm ² | 3220 | 5780 | 5780 | 8410 | 8410 | 11710 | 12990 | 12990 | inch ² | 499 | 896 | 896 | 1304 | 1304 | 1816 | 2014 | 2014 | | |
| Flush flow rate at min. pressure | m ³ /h | 30 | 30 | 30 | 30 | 60 | 90 | 90 | 90 | gpm | 132 | 132 | 132 | 132 | 264 | 369 | 369 | 369 | | |
| Pressure range | bar | 2-10 | | | | | | | | | psi | 29-145 | | | | | | | | |
| Max. temp. | °C | 65 | | | | | | | | | °F | 149 | | | | | | | | |
| Control voltage | | 9 V DC or 220 W / 24 V AC | | | | | | | | | | 9 V DC or 110 W / 24 V AC | | | | | | | | |

Maximum Filtration Flow Rate / Water Quality

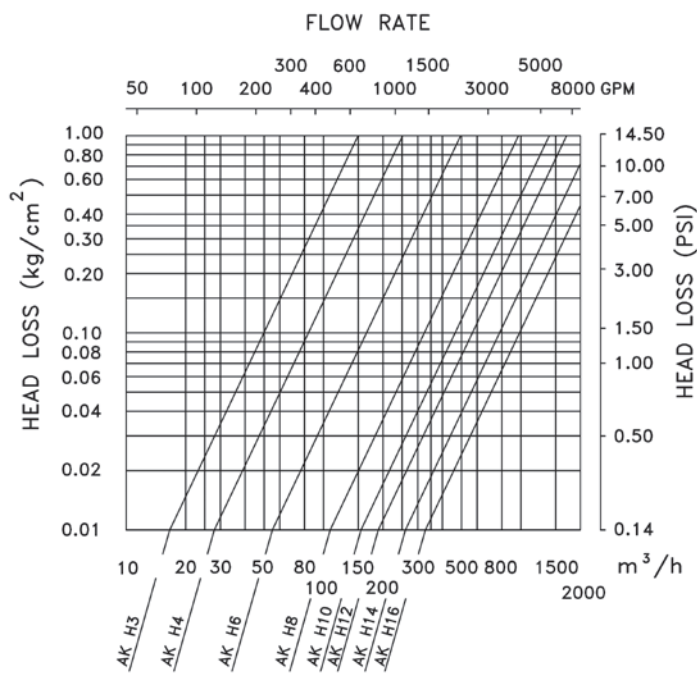
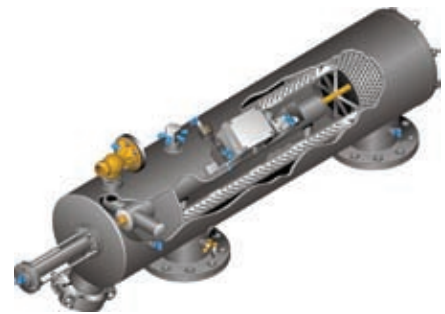
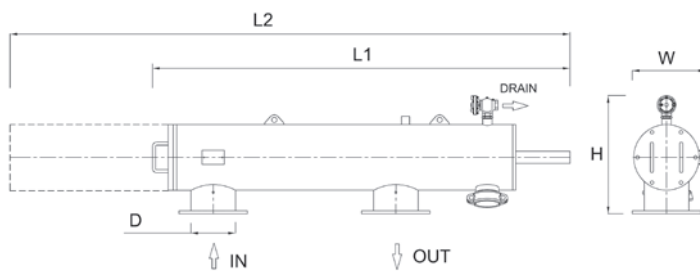
| Model | | H-3 | H-4 | H-6 | H-8 | H-10 | H-12 | H-14 | H-16 | H-3 | H-4 | H-6 | H-8 | H-10 | H-12 | H-14 | H-16 | |
|------------------|---------------|-------------------|-----|-----|-----|------|------|------|------|-----|-----|-----|------|------|------|------|------|--|
| Filtration Grade | Water Quality | m ³ /h | | | | | | | | | gpm | | | | | | | |
| 400 μ | Good | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 2640 | 3960 | 4840 | |
| | Average | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 2640 | 3960 | 4840 | |
| | Poor | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 2640 | 3960 | 4840 | |
| 200 μ | Good | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 2640 | 3960 | 4840 | |
| | Average | 30 | 60 | 90 | 180 | 240 | 360 | 540 | 660 | 132 | 264 | 396 | 793 | 1056 | 1584 | 2376 | 2904 | |
| | Poor | 29 | 56 | 85 | 150 | 225 | 338 | 506 | 619 | 128 | 246 | 374 | 660 | 990 | 1487 | 2226 | 2724 | |
| 150-100 μ | Good | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 1487 | 3960 | 4840 | |
| | Average | 23 | 45 | 68 | 145 | 180 | 270 | 405 | 495 | 101 | 198 | 299 | 638 | 792 | 1188 | 1782 | 2178 | |
| | Poor | 22 | 42 | 64 | 130 | 169 | 254 | 380 | 464 | 97 | 185 | 282 | 572 | 744 | 1118 | 1672 | 2042 | |
| 80-50 μ | Good | 22 | 42 | 64 | 130 | 169 | 254 | 380 | 464 | 97 | 185 | 282 | 572 | 744 | 1118 | 1672 | 2042 | |
| | Average | 18 | 34 | 51 | 90 | 135 | 203 | 304 | 371 | 79 | 150 | 224 | 396 | 594 | 893 | 1338 | 1632 | |
| | Poor | 14 | 27 | 41 | 75 | 108 | 162 | 243 | 297 | 62 | 119 | 180 | 330 | 475 | 713 | 1069 | 1307 | |

H Series

Hydraulic operated self cleaning screen filter

Dimensions and Weights

| Model | | H-3 | H-4 | H-6 | H-8 | H-10 | H-12 | H-14 | H-16 | | H-3 | H-4 | H-6 | H-8 | H-10 | H-12 | H-14 | H-16 |
|-----------------------------|----|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|
| D | mm | 90 | 110 | 160 | 200 | 280 | 315 | 355 | 400 | inch | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
| L1 | mm | 1400 | 1800 | 1870 | 2460 | 2460 | 2990 | 2990 | 2990 | inch | 55 | 70 | 74 | 97 | 97 | 118 | 118 | 118 |
| L2 | mm | 1750 | 2500 | 2570 | 3560 | 3560 | 5200 | 5200 | 5200 | inch | 69 | 98 | 101 | 140 | 140 | 205 | 205 | 205 |
| H | mm | 580 | 580 | 640 | 640 | 670 | 720 | 770 | 770 | inch | 23 | 23 | 25 | 25 | 26 | 28 | 30 | 30 |
| W | mm | 330 | 330 | 356 | 362 | 413 | 611 | 639 | 639 | inch | 13 | 13 | 14 | 14 | 17 | 24 | 25 | 25 |
| Approximate shipping weight | kg | 85 | 110 | 130 | 140 | 200 | 350 | 420 | 450 | lbs | 187 | 242 | 286 | 308 | 440 | 771 | 925 | 990 |



H filtration units can be supplied in:
Polyester coated steel or
Stainless steel.

E Series

Self cleaning electric screen filter with piston operated scanner

Features

- Installed in parallel position
- Supplied in 3"- 16" inlet / outlet connections
- Low backwash water consumption



Technical Data

| Model | | E-3 | E-4 | E-6 | E-8 | E-10 | E-12 | E-14 | E-16 | | E-3 | E-4 | E-6 | E-8 | E-10 | E-12 | E-14 | E-16 |
|----------------------------------|-------------------|--------------------|------|------|------|------|-------|-------|-------|-------------------|--------------------|-----|-----|-----|------|------|------|------|
| | METRIC | | | | | | | | | US | | | | | | | | |
| Connection diameter | mm | 90 | 110 | 160 | 225 | 280 | 315 | 355 | 410 | inch | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
| Screen area | cm ² | 3220 | 5780 | 5780 | 5780 | 8410 | 11710 | 12990 | 12990 | inch ² | 500 | 896 | 896 | 896 | 1304 | 1816 | 2014 | 2014 |
| Flush flow rate at min. pressure | m ³ /h | 25 | | | | | | | | gpm | 110 | | | | | | | |
| Pressure range | bar | 1 - 10 | | | | | | | | psi | 14.5 - 145 | | | | | | | |
| Max. temp. | °C | 65 | | | | | | | | °F | 149 | | | | | | | |
| Control voltage | | 380 V AC / 24 V AC | | | | | | | | | 480 V AC / 24 V AC | | | | | | | |

Maximum Filtration Flow Rate / Water Quality

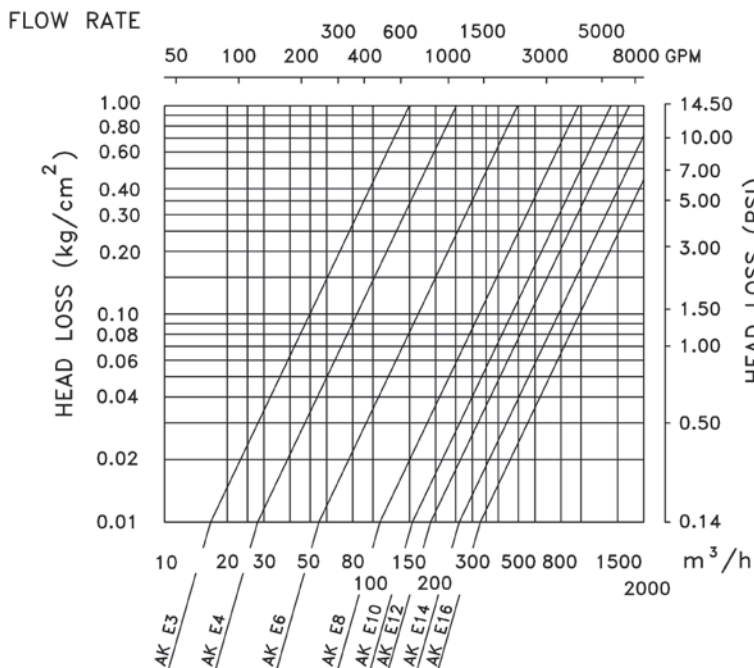
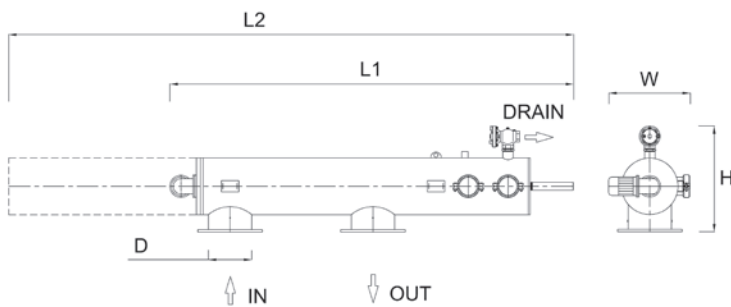
| Model | | E-3 | E-4 | E-6 | E-8 | E-10 | E-12 | E-14 | E-16 | E-3 | E-4 | E-6 | E-8 | E-10 | E-12 | E-14 | E-16 |
|------------------|---------------|-------------------|-----|-----|-----|------|------|------|------|-----|-----|-----|------|------|------|------|------|
| Filtration Grade | Water Quality | m ³ /h | | | | | | | | gpm | | | | | | | |
| 400 μ | Good | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 2640 | 3960 | 4840 |
| | Average | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 2640 | 3960 | 4840 |
| | Poor | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 2640 | 3960 | 4840 |
| 200 μ | Good | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 2640 | 3960 | 4840 |
| | Average | 30 | 60 | 90 | 180 | 240 | 360 | 540 | 660 | 132 | 264 | 396 | 793 | 1056 | 1584 | 2376 | 2904 |
| | Poor | 29 | 56 | 85 | 150 | 225 | 338 | 506 | 619 | 128 | 246 | 374 | 660 | 990 | 1487 | 2226 | 2724 |
| 150-100 μ | Good | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 2640 | 3960 | 4840 |
| | Average | 23 | 45 | 68 | 145 | 180 | 270 | 405 | 495 | 101 | 198 | 299 | 638 | 792 | 1188 | 1782 | 2178 |
| | Poor | 22 | 42 | 64 | 130 | 169 | 254 | 380 | 464 | 97 | 185 | 282 | 572 | 744 | 1118 | 1672 | 2042 |
| 80-50 μ | Good | 22 | 42 | 64 | 130 | 169 | 254 | 380 | 464 | 97 | 185 | 282 | 572 | 744 | 1118 | 1672 | 2042 |
| | Average | 18 | 34 | 51 | 90 | 135 | 203 | 304 | 371 | 79 | 150 | 224 | 396 | 594 | 893 | 1338 | 1632 |
| | Poor | 14 | 27 | 41 | 75 | 108 | 162 | 243 | 297 | 62 | 119 | 180 | 330 | 475 | 713 | 1069 | 1307 |

E Series

Self cleaning electric screen filter with piston operated scanner

Dimensions and Weights

| Model | | E-3 | E-4 | E-6 | E-8 | E-10 | E-12 | E-14 | E-16 | | E-3 | E-4 | E-6 | E-8 | E-10 | E-12 | E-14 | E-16 |
|-----------------------------|----|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|------|
| D | mm | 90 | 110 | 160 | 225 | 280 | 315 | 355 | 410 | inch | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
| L1 | mm | 1485 | 1880 | 2340 | 2540 | 2540 | 3070 | 3070 | 3070 | inch | 58 | 74 | 77 | 84 | 100 | 67 | 76 | 84 |
| L2 | mm | 1745 | 2500 | 3355 | 3560 | 3555 | 5200 | 5200 | 5200 | inch | 69 | 98 | 105 | 109 | 140 | 86 | 114 | 130 |
| H | mm | 577 | 577 | 583 | 635 | 665 | 920 | 767 | 767 | inch | 23 | 23 | 25 | 25 | 26 | 36 | 36 | 36 |
| W | mm | 473 | 473 | 473 | 500 | 513 | 539 | 564 | 564 | inch | 19 | 19 | 19 | 20 | 20 | 21 | 23 | 23 |
| Approximate shipping weight | kg | 96 | 120 | 140 | 175 | 210 | 420 | 460 | 515 | lbs | 212 | 265 | 309 | 386 | 463 | 924 | 1014 | 1135 |



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

SE Series

Self-flushing screen filter with gear operated scanner

Features

- Installed in parallel position
- Supplied in 3"- 16" inlet / outlet connections
- Low backwash water consumption



Technical Data

| Model | | SE-3 | SE-4 | SE-6 | SE-8 | SE-10 | SE-12 | SE-14 | SE-16 | | SE-3 | SE-4 | SE-6 | SE-8 | SE-10 | SE-12 | SE-14 | SE-16 |
|----------------------------------|-------------------|--------------------|------|------|------|-------|-------|-------|-------|-------------------|--------------------|------|------|------|-------|-------|-------|-------|
| | METRIC | | | | | | | | | US | | | | | | | | |
| Connection diameter | mm | 90 | 110 | 160 | 225 | 280 | 315 | 355 | 410 | inch | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
| Screen area | cm ² | 3220 | 4500 | 6330 | 7030 | 8970 | 10920 | 11760 | 14310 | inch ² | 499 | 698 | 981 | 1090 | 1391 | 1693 | 1823 | 2218 |
| Flush flow rate at min. pressure | m ³ /h | 25 | | | | | | | | gpm | 100 | | | | | | | |
| Pressure range | bar | 1 - 10 | | | | | | | | psi | 14.5 - 145 | | | | | | | |
| Max. temp. | °C | 65 | | | | | | | | °F | 149 | | | | | | | |
| Control voltage | | 380 V AC / 24 V AC | | | | | | | | | 480 V AC / 24 V AC | | | | | | | |

Maximum Filtration Flow Rate / Water Quality

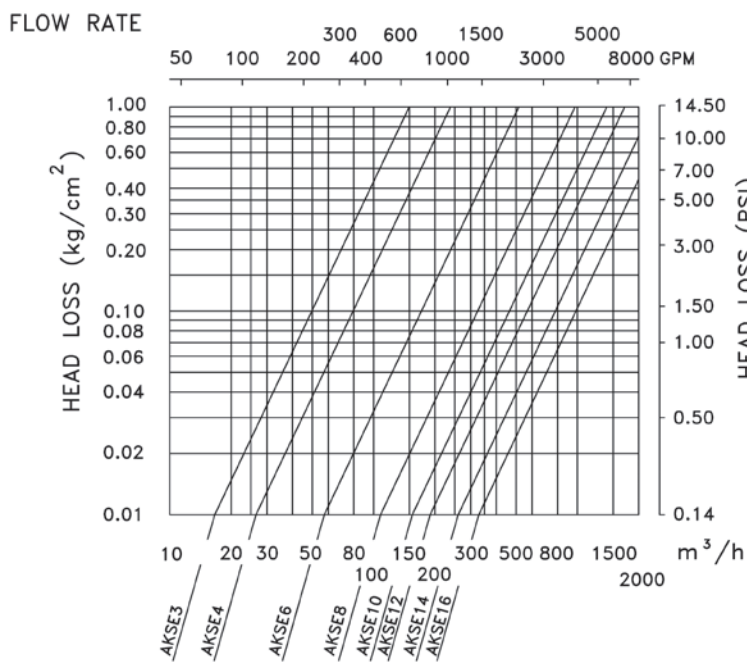
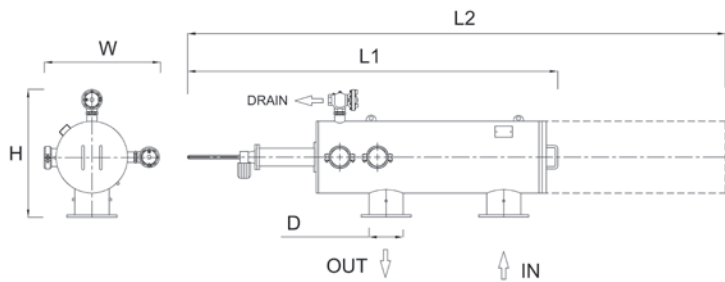
| Model | | SE-3 | SE-4 | SE-6 | SE-8 | SE-10 | SE-12 | SE-14 | SE-16 | SE-3 | SE-4 | SE-6 | SE-8 | SE-10 | SE-12 | SE-14 | SE-16 |
|------------------|---------------|-------------------|------|------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|
| Filtration Grade | Water Quality | m ³ /h | | | | | | | | gpm | | | | | | | |
| 400 μ | Good | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 2640 | 3960 | 4840 |
| | Average | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 2640 | 3960 | 4840 |
| | Poor | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 2640 | 3960 | 4840 |
| 200 μ | Good | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 2640 | 3960 | 4840 |
| | Average | 30 | 60 | 90 | 180 | 240 | 360 | 540 | 660 | 132 | 264 | 396 | 793 | 1056 | 1584 | 2376 | 2904 |
| | Poor | 29 | 56 | 85 | 150 | 225 | 338 | 506 | 619 | 128 | 246 | 374 | 660 | 990 | 1487 | 2226 | 2724 |
| 150-100 μ | Good | 50 | 100 | 150 | 300 | 400 | 600 | 900 | 1100 | 220 | 440 | 660 | 1321 | 1760 | 2640 | 3960 | 4840 |
| | Average | 23 | 45 | 68 | 145 | 180 | 270 | 405 | 495 | 101 | 198 | 299 | 638 | 792 | 1188 | 1782 | 2178 |
| | Poor | 22 | 42 | 64 | 130 | 169 | 254 | 380 | 464 | 97 | 185 | 282 | 572 | 744 | 1118 | 1672 | 2042 |
| 80-50 μ | Good | 22 | 42 | 64 | 130 | 169 | 254 | 380 | 464 | 97 | 185 | 282 | 572 | 744 | 1118 | 1672 | 2042 |
| | Average | 18 | 34 | 51 | 90 | 135 | 203 | 304 | 371 | 79 | 150 | 224 | 396 | 594 | 893 | 1338 | 1632 |
| | Poor | 14 | 27 | 41 | 75 | 108 | 162 | 243 | 297 | 62 | 119 | 180 | 330 | 475 | 713 | 1069 | 1307 |

SE Series

Self-flushing screen filter with gear operated scanner

Dimensions and Weights

| Model | | SE-3 | SE-4 | SE-6 | SE-8 | SE-10 | SE-12 | SE-14 | SE-16 | | SE-3 | SE-4 | SE-6 | SE-8 | SE-10 | SE-12 | SE-14 | SE-16 |
|-----------------------------|----|------|------|------|------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|-------|
| D | mm | 90 | 110 | 160 | 225 | 280 | 315 | 355 | 400 | inch | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
| L1 | mm | 1955 | 2150 | 2360 | 2360 | 2620 | 2990 | 2620 | 2990 | inch | 77 | 85 | 93 | 93 | 103 | 118 | 103 | 118 |
| L2 | mm | 2295 | 2647 | 3430 | 3430 | 3812 | 4680 | 3950 | 4680 | inch | 90 | 104 | 135 | 135 | 160 | 184 | 156 | 184 |
| H | mm | 685 | 680 | 760 | 811 | 810 | 810 | 960 | 960 | inch | 25 | 27 | 30 | 32 | 32 | 32 | 38 | 38 |
| W | mm | 550 | 600 | 682 | 733 | 733 | 733 | 886 | 886 | inch | 22 | 24 | 27 | 29 | 29 | 29 | 35 | 35 |
| Approximate shipping weight | kg | 125 | 145 | 245 | 320 | 350 | 390 | 420 | 630 | lbs | 275 | 319 | 539 | 704 | 770 | 858 | 924 | 1386 |



SE filtration units
can be supplied in:
Polyester coated steel or
Stainless steel.

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

Maximum Filtration Flow Rate / Water Quality

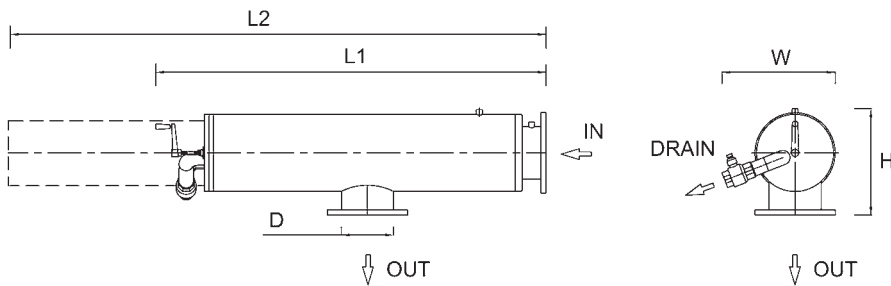
| Model | | SA-4 | SA-6 | SA-8 | SA-10 | SA-4 | SA-6 | SA-8 | SA-10 |
|------------------|---------------|-------------------|------|------|-------|------|------|------|-------|
| Filtration Grade | Water Quality | m ³ /h | | | | gpm | | | |
| 400 μ | Good | 80 | 160 | 300 | 500 | 352 | 704 | 1320 | 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 |

SA Series

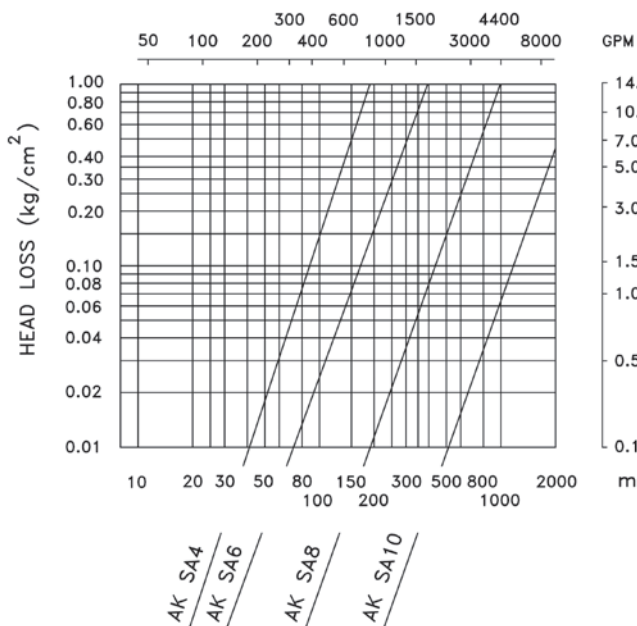
Semi Automatic Screen Filter

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 |



FLOW RATE



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

SB Series

Semi Automatic Screen Filter With Brush

Features

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



Technical Data

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

Maximum Filtration Flow Rate / Water Quality

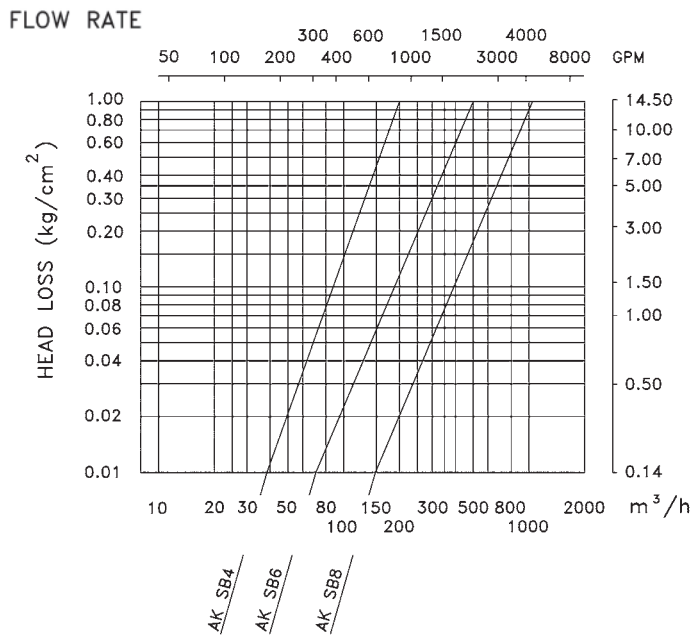
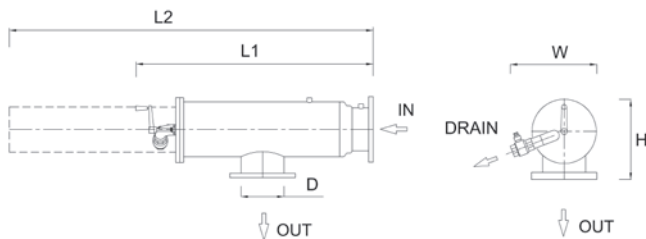
| Model | | SB-4 | SB-6 | SB-8 | SB-4 | SB-6 | SB-8 |
|------------------|---------------|-------------------|------|------|------|------|------|
| Filtration Grade | Water Quality | m ³ /h | | | gpm | | |
| 400 μ | Good | 80 | 160 | 300 | 352 | 704 | 1320 |
| | Average | 80 | 160 | 300 | 352 | 704 | 1320 |
| | Poor | 80 | 160 | 300 | 352 | 704 | 1320 |
| 200 μ | Good | 80 | 160 | 300 | 352 | 704 | 1320 |
| | Average | 48 | 96 | 180 | 211 | 422 | 792 |
| | Poor | 45 | 90 | 169 | 198 | 396 | 744 |
| 150-100 μ | Good | 80 | 160 | 300 | 352 | 704 | 1320 |
| | Average | 36 | 72 | 135 | 158 | 317 | 594 |
| | Poor | 29 | 58 | 108 | 128 | 255 | 475 |
| 80-50 μ | Good | 29 | 58 | 108 | 128 | 255 | 475 |
| | Average | 27 | 54 | 102 | 119 | 238 | 449 |
| | Poor | 22 | 43 | 82 | 97 | 189 | 361 |

SB Series

Semi Automatic Screen Filter With Brush

Dimensions and Weights

| Model | | SB-4 | SB-6 | SB-8 | | SB-4 | SB-6 | SB-8 |
|-----------------------------|----|------|------|------|------|------|------|------|
| D | mm | 110 | 160 | 225 | inch | 4 | 6 | 8 |
| L1 | mm | 785 | 990 | 1185 | inch | 31 | 39 | 47 |
| L2 | mm | 1015 | 1415 | 1810 | inch | 40 | 56 | 71 |
| H | mm | 400 | 400 | 400 | inch | 16 | 16 | 16 |
| W | mm | 469 | 469 | 466 | inch | 18 | 18 | 18 |
| Approximate shipping weight | kg | 69 | 79 | 90 | lbs | 152 | 174 | 198 |



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

EB Series

Electric Brush Self Cleaning Screen Filter

Features

- Installed in angle position
- Supplied in 4"- 16" inlet / outlet connections
- Low backwash water consumption



Technical Data

| Model | | EB-4 | EB-6 | EB-8 | EB-10 | EB-12 | EB-14 | EB-16 | | EB-4 | EB-6 | EB-8 | EB-10 | EB-12 | EB-14 | EB-16 |
|----------------------------------|-------------------|--------------------|------|------|-------|-------|-------|-------|-------------------|--------------------|------|------|-------|-------|-------|-------|
| | METRIC | | | | | | | | US | | | | | | | |
| Connection diameter | mm | 110 | 160 | 225 | 280 | 315 | 355 | 410 | inch | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
| Screen area | cm ² | 3220 | 4300 | 6330 | 6330 | 8000 | 8000 | 11350 | inch ² | 499 | 667 | 981 | 981 | 1240 | 1240 | 1759 |
| Flush flow rate at min. pressure | m ³ /h | 30 | | | | | | | gpm | 132 | | | | | | |
| Pressure range | bar | 1 - 10 | | | | | | | psi | 14.5 - 145 | | | | | | |
| Max. temp. | °C | 65 | | | | | | | °F | 149 | | | | | | |
| Control voltage | | 380 V AC / 24 V AC | | | | | | | | 480 V AC / 24 V AC | | | | | | |

Maximum Filtration Flow Rate / Water Quality

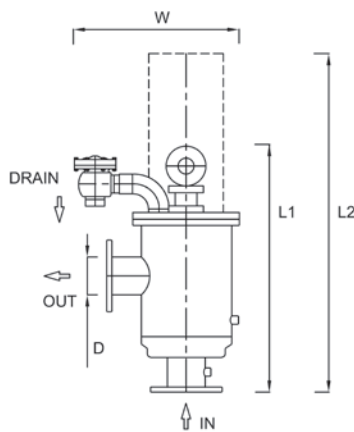
| Model | | EB-4 | EB-6 | EB-8 | EB-10 | EB-12 | EB-14 | EB-16 | EB-4 | EB-6 | EB-8 | EB-10 | EB-12 | EB-14 | EB-16 |
|------------------|---------------|-------------------|------|------|-------|-------|-------|-------|------|------|------|-------|-------|-------|-------|
| Filtration Grade | Water Quality | m ³ /h | | | | | | | gpm | | | | | | |
| 400 μ | Good | 100 | 160 | 300 | 450 | 650 | 900 | 1100 | 440 | 704 | 1364 | 1980 | 2860 | 4004 | 4840 |
| | Average | 100 | 160 | 300 | 450 | 650 | 900 | 1100 | 440 | 704 | 1364 | 1980 | 2860 | 4004 | 4840 |
| | Poor | 100 | 160 | 300 | 450 | 650 | 900 | 1100 | 440 | 704 | 1364 | 1980 | 2860 | 4004 | 4840 |
| 200 μ | Good | 100 | 160 | 300 | 450 | 650 | 900 | 1100 | 440 | 704 | 1364 | 1980 | 2860 | 4004 | 4840 |
| | Average | 70 | 100 | 190 | 300 | 400 | 600 | 800 | 308 | 440 | 836 | 1320 | 1760 | 2640 | 3520 |
| | Poor | 60 | 80 | 170 | 250 | 350 | 500 | 700 | 264 | 352 | 748 | 1100 | 1540 | 2200 | 3080 |
| 150-100 μ | Good | 100 | 160 | 300 | 450 | 650 | 900 | 1100 | 352 | 528 | 880 | 1320 | 1540 | 1760 | 3080 |
| | Average | 60 | 90 | 140 | 180 | 250 | 300 | 550 | 264 | 396 | 616 | 792 | 1100 | 1320 | 2420 |
| | Poor | 50 | 70 | 80 | 120 | 150 | 200 | 350 | 220 | 308 | 352 | 528 | 660 | 880 | 1540 |

EB Series

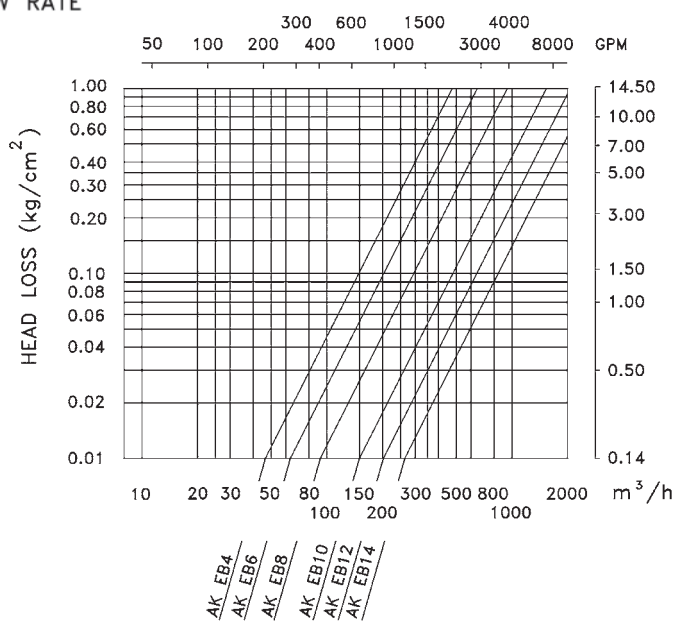
Electric Brush Self Cleaning Screen Filter

Dimensions and Weights

| Model | | EB-4 | EB-6 | EB-8 | EB-10 | EB-12 | EB-14 | EB-16 | | EB-4 | EB-6 | EB-8 | EB-10 | EB-12 | EB-14 | EB-16 |
|-----------------------------|----|------|------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|
| D | mm | 110 | 160 | 225 | 280 | 315 | 355 | 410 | inch | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
| L1 | mm | 740 | 939 | 890 | 1110 | 1320 | 1320 | 1350 | inch | 29 | 37 | 35 | 44 | 52 | 52 | 53 |
| L2 | mm | 1020 | 1320 | 1160 | 1590 | 2020 | 2020 | 2080 | inch | 40 | 52 | 46 | 63 | 80 | 80 | 82 |
| W | mm | 498 | 498 | 717 | 717 | 716 | 716 | 992 | inch | 20 | 20 | 28 | 28 | 28 | 28 | 39 |
| Approximate shipping weight | kg | 72 | 88 | 106 | 196 | 212 | 240 | 410 | lbs | 158 | 194 | 233 | 431 | 466 | 528 | 902 |



FLOW RATE



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

Hydrocyclone

Sand Separator Technology



The Separation Process

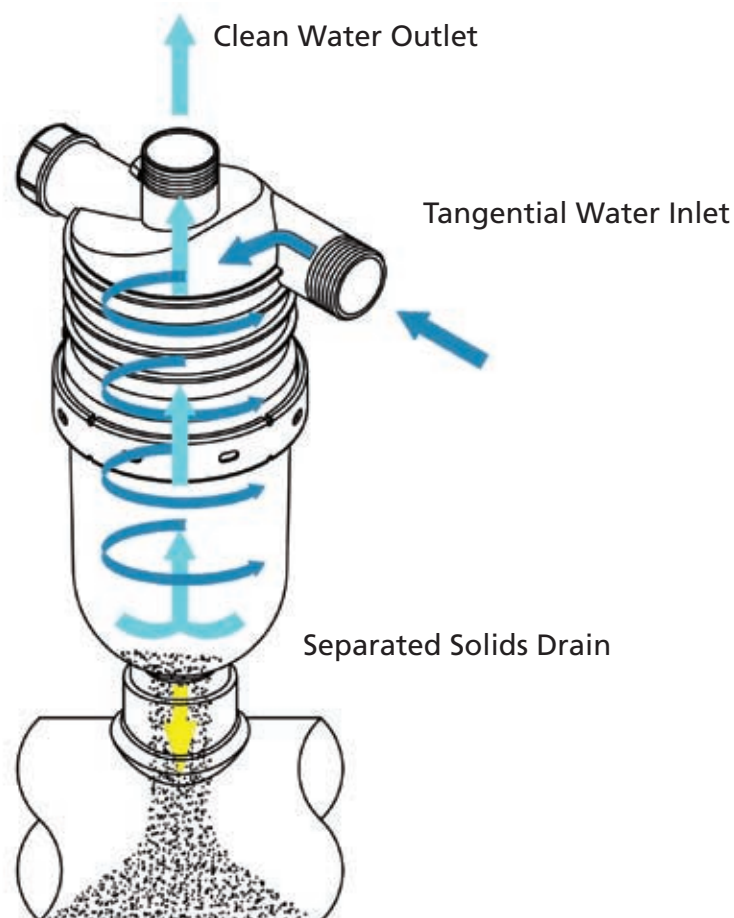
- The water stream enters the cyclone at a relatively high velocity via the inlet pipe, which is positioned, tangentially to the body of the cyclone.
- The shape of the cone creates a vortex of water.
- The resulting centrifugal force pushes the sand and other solids of a high specific gravity, out of the main flow stream.
- The low flow speed, next to the cyclone walls, cannot carry the heavy particles and allows them to drop by gravity to the collecting tank below, while the clean water rises up in a spiral motion to the outlet port.
- Evacuation of the dirt collected by the chamber is achieved by opening a control valve, normally activated by a controller usually triggered by time or set volume.

Hydrocyclone

Sand Separator Technology

- Hydrocyclones operate effectively and efficiently under a set flow rate. Constancy of flow rate and adaptability of design enhance efficiency further.
- When flushed regularly, cyclones require minimal maintenance.
- The Hydro-cyclone is a function specific product, designed for the removal of sand and therefore comprising an invaluable element in any total filtration system where sand is an issue.
- Although the Hydrocyclone will remove / separate any particles with a higher specific gravity (SG) than water (1g/cm^3 or 8.345 lb/ft^3), maximum benefits are gained with an optimal SG ratio of 1.4:1, where the sand SG is 40% greater than the water SG (i.e. 1.4g/cm^3 or 11.683 lb/ft^3).

Centrifugal Force
Separates The Solids
From The Water



2" Sand Separator

Hydro-Cyclone

Features

- High efficiency sand separation
- Long-term self-operated
- Minimal maintenance
- Corrosion free



Technical Data

| | METRIC | | US | |
|---------------------|--------|-----|------|-----|
| | mm | | inch | |
| Connection diameter | 50 | | 2 | |
| Maximum Pressure | 10 | bar | 145 | psi |
| Maximum temp. | 70 | °C | 149 | °F |

Maximum Filtration Flow Rate / Water Quality

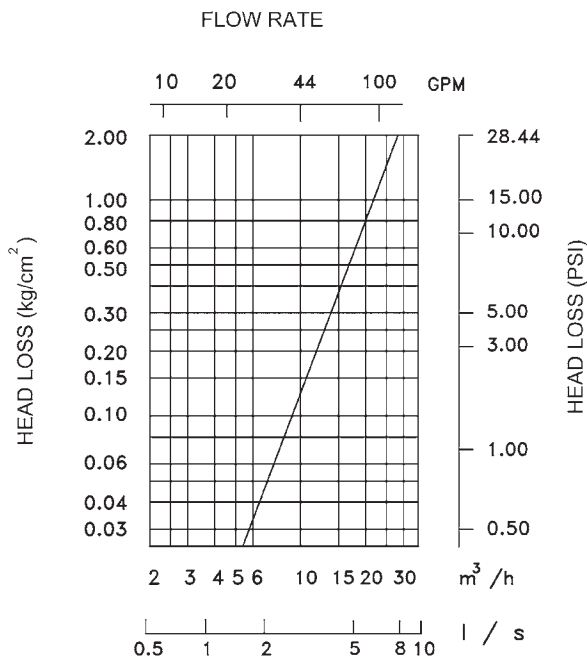
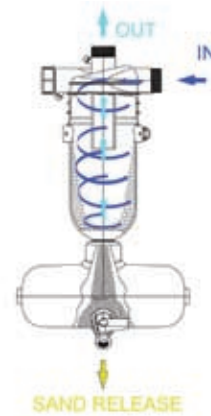
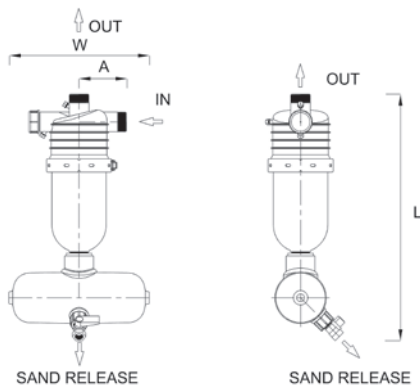
| % Efficiency | Particle size larger than (micron): | | | m³/h | gpm |
|--------------|-------------------------------------|-----|----|------|-----|
| | 150 | 100 | 50 | | |
| 90 | 85 | 82 | | 15 | 66 |
| 95 | 90 | 85 | | 20 | 88 |
| 98 | 95 | 90 | | 25 | 110 |

2" Sand Separator

Hydro-Cyclone

Dimensions and Weights

| | | | | |
|-----------------------------|----|-----|------|----------------------------------|
| D-Inlet/Outlet diameter | mm | 50 | inch | 2 |
| L- Length | mm | 755 | inch | 29 ²³ / ₃₂ |
| W | mm | 430 | inch | 16 ¹⁵ / ₁₆ |
| A | mm | 145 | inch | 5 ²³ / ₃₂ |
| Approximate shipping weight | kg | 7.8 | lbs | 17.2 |



2" Sand Separator can be supplied in:
Polyamide

Sand Separator Batteries

Hydro-Cyclone Batteries

Features

- High efficiency sand separation
- Long-term self-operated
- Minimal maintenance
- Corrosion free



Technical Data

| Model | | HYD-2 | HYD-3 | HYD-4 | HYD-5 | | HYD-2 | HYD-3 | HYD-4 | HYD-5 |
|---------------------|-----|--------|-------|-------|-------|------|-------|-------|-------|-------|
| | | METRIC | | | | | US | | | |
| Connection diameter | mm | 110 | 110 | 160 | 160 | inch | 4 | 4 | 6 | 6 |
| Maximum Pressure | bar | 10 | | | | psi | 145 | | | |
| Maximum temp. | °C | 70 | | | | °F | 149 | | | |

Maximum Filtration Flow Rate / Water Quality

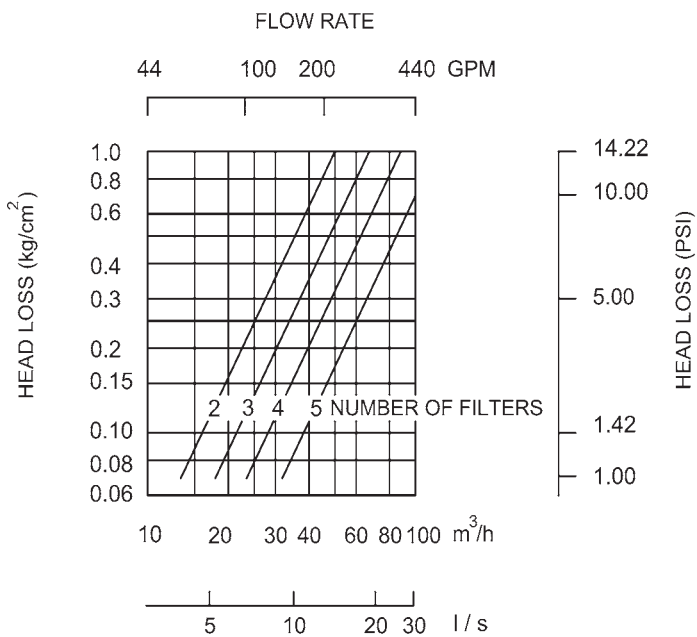
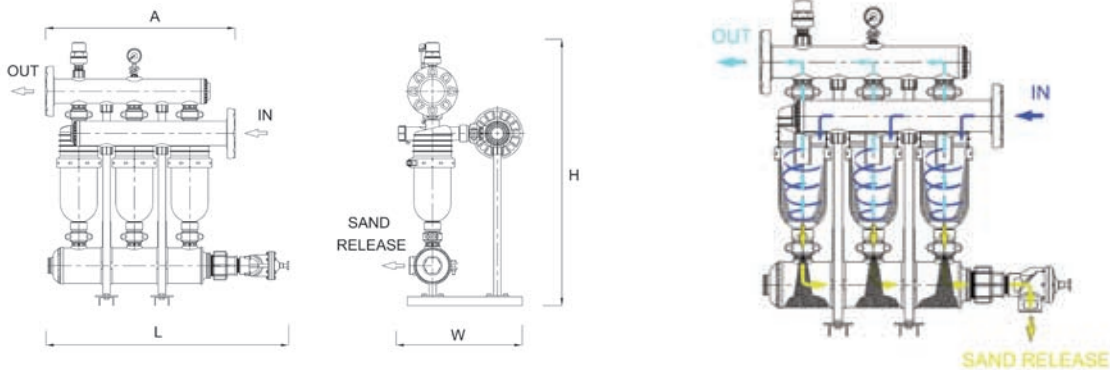
| Model | | | | HYD-2 | HYD-3 | HYD-4 | HYD-5 | HYD-2 | HYD-3 | HYD-4 | HYD-5 |
|--------------|-------------------------------------|-----|----|-------------------|-------|-------|-------|-------|-------|-------|-------|
| % Efficiency | Particle size larger than (micron): | | | m ³ /h | | | | gpm | | | |
| | 150 | 100 | 50 | | | | | | | | |
| | 90 | 85 | 82 | 30 | 45 | 60 | 75 | 132 | 198 | 264 | 330 |
| | 95 | 90 | 85 | 40 | 60 | 80 | 100 | 176 | 264 | 352 | 440 |
| 98 | 95 | 90 | 50 | 75 | 100 | 125 | 220 | 330 | 440 | 550 | |

Sand Separator Batteries

Hydro-Cyclone Batteries

Dimensions and Weights

| Model | | HYD-2 | HYD-3 | HYD-4 | HYD-5 | | HYD-2 | HYD-3 | HYD-4 | HYD-5 |
|-----------------------------|----|-------|-------|-------|-------|------|-------|-------|-------|-------|
| D-Inlet\Outlet diameter | mm | 110 | 110 | 160 | 160 | inch | 4 | 4 | 6 | 6 |
| L - Length | mm | 829 | 1079 | 1160 | 1410 | inch | 33 | 42 | 46 | 56 |
| H | mm | 1198 | 1198 | 1200 | 1200 | inch | 47 | 47 | 47 | 47 |
| A | mm | 605 | 855 | 1105 | 1355 | inch | 24 | 34 | 44 | 53 |
| W | mm | 564 | 564 | 778 | 778 | inch | 22 | 22 | 31 | 31 |
| Approximate shipping weight | kg | 52 | 78 | 118 | 146 | lbs | 115 | 172 | 260 | 322 |



2" Sand Separator Batteries can be supplied in:
Polyamide and Polypropylene manifolds

Sand Media Technology

AGF Filter - The Principle



- Sand Media filters operate by separating the suspended materials in unfiltered water as it flows through a bed of media in a pressurized tank.
- The recommended filter medias - crushed basalt, quartz sand or catalytic media, have many varying aperture sizes that cause the water to flow through a maze of passages on its way from the inlet to the outlet of the filter.

Sand Media Technology

AGF Filter - The Principle

Sand Media Technology

Due to the large volume and contact area between the water and the media/gravel particles, various physical forces are put into effect and act to retain the contaminating particles.

The efficiency of large particle retention is high as long as the gravel is kept clean.

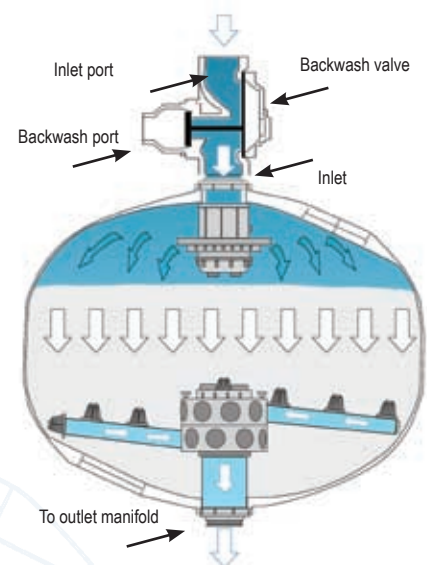
The catalytic media type applies an additional chemical-physical attraction between the media and particles - especially those of organic nature, giving more efficient organic material separation. In addition, the round shaped particles degrade more quickly and their cleaning requires less water in comparison with other media types.

Filtration Process

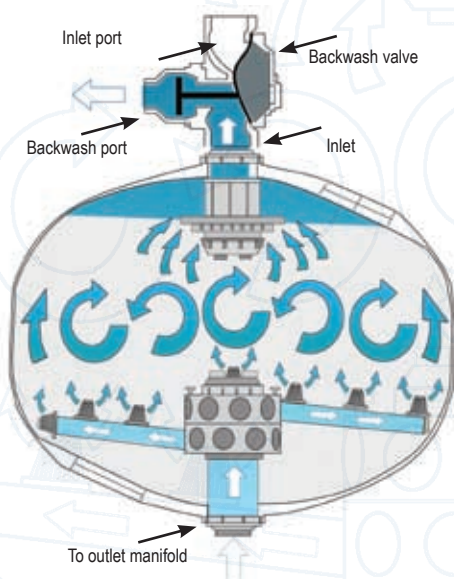
During the filtration process, unfiltered water enters the media filter system via the inlet manifold. It is cleaned by flowing through the media and discharged via the outlet manifold.

During filtration the inlet ports are open and the backwash ports are closed.

Water flows from the top, over the diffuser, down through the media layer to the outlet through the "mushrooms" located in the bottom part of the filter.



Backwash Process



During the backwash process the inlet port closes and the backwash port opens, allowing reverse water flow into the filter.

Clean pressurized water from the other filters now flows into the bottom of the filter, lifting the media and freeing the accumulated dirt and debris that is then flushed out through the backwash valve and into the backwash manifold.

If the backwash restriction valve is adjusted properly, the debris will be flushed out of the filter while the media, being of a higher Bulk Density than the debris will remain fluidized in the filter tank.

Only one filter at a time should backwash. The water that is being used to backwash one filter would have already passed through another filter or filters so that the backwash process is carried out with clean, filtered water.

AGF

All Plastic Media Filters

Features

- Corrosion free
- Special synthetic materials
- Unique under-drain "Mushroom" drainage system
- Two large access ports



Technical Data

| | METRIC | | US | |
|---------------------------|-------------------|-------|-----------------|---------|
| Connection diameter | mm | 114 | inch | 4 |
| Filtration surface area | m ² | 1.16 | ft ² | 12.48 |
| Minimum backwash pressure | bar | 2 | psi | 28 |
| Maximum pressure | bar | 6 | psi | 85 |
| Backwash flow rate | m ³ /h | 40-60 | gpm | 176-264 |
| Maximum temp. | °C | 50 | °F | 122 |

Maximum Filtration Flow Rate / Water Quality

| Filtration Grade | Water Quality | m ³ /h | gpm |
|---|---------------|-------------------|-----|
| Media: Basalt media grade 2 | | | |
| 100-80 μ | Good | 68 | 300 |
| | Average | 51 | 220 |
| | Poor | 41 | 180 |
| | Very Poor | 33 | 145 |
| Media: Quartz media grade 1 | | | |
| 50-20 μ | Good | 18 | 79 |
| | Average | 16 | 70 |
| | Poor | 13 | 57 |
| | Very Poor | 10 | 44 |
| Media: AFM Media gradient for absolute depth filtration. Advantage in high organic load in raw water | | | |
| 20-10 μ | Good | 22 | 97 |
| | Average | 19 | 79 |
| | Poor | 16 | 70 |
| | Very Poor | 13 | 57 |

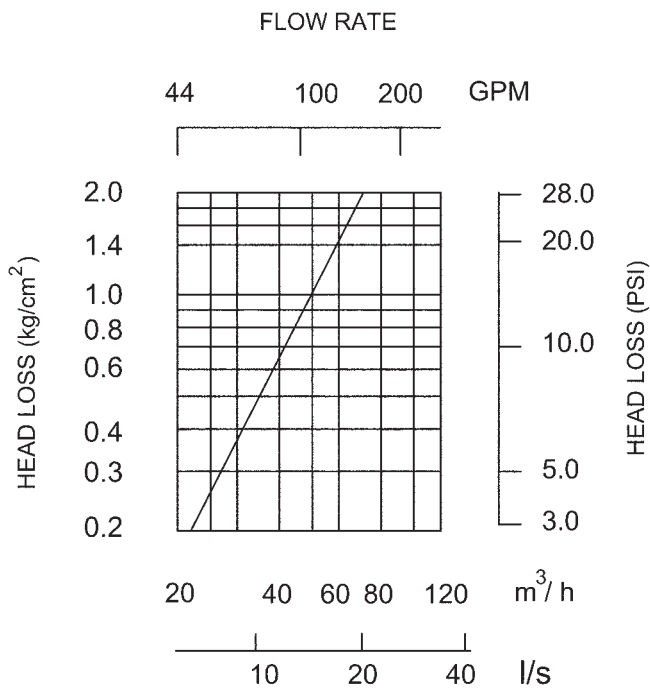
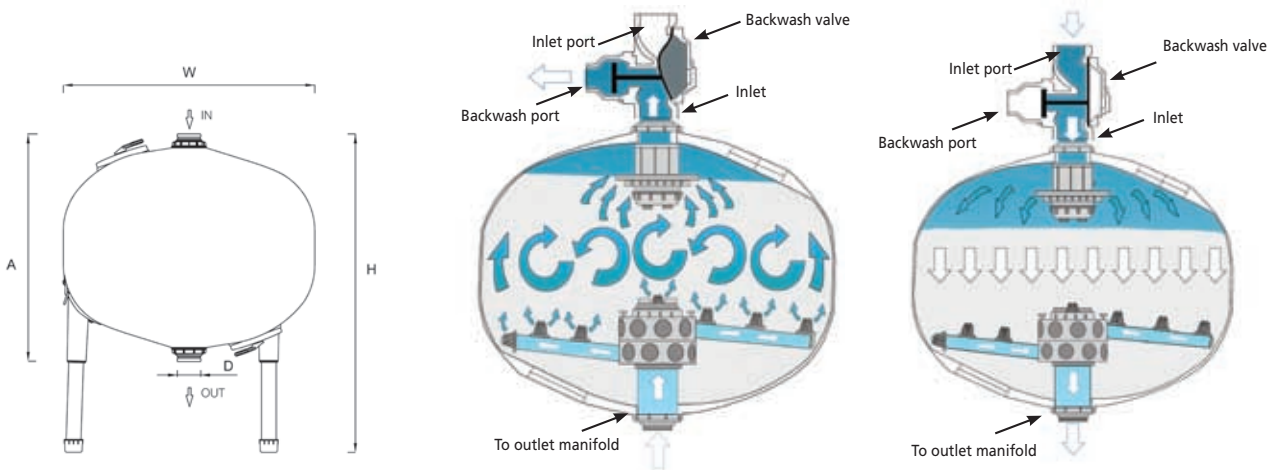
AGF

All Plastic Media Filters

Dimensions and Weights

| | | | | |
|-----------------------------------|----|------|------|----------------------------------|
| D-Inlet/Outlet diameter | mm | 114 | inch | 4 |
| H (height) | mm | 1553 | inch | 61 |
| A (Dist. between filters connect) | mm | 1110 | inch | 43 ²³ / ₃₂ |
| W | mm | 1227 | inch | 48 ⁵ / ₁₆ |
| Approximate shipping weight* | kg | 120 | lbs | 265 |

(*) Weight of media not included



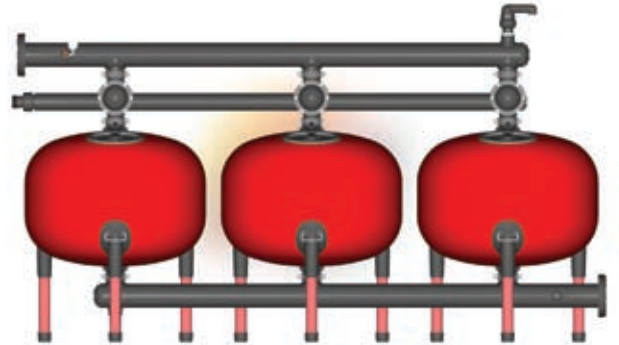
AGF Filters are available in:
Polymer materials

AGF Battery

All Plastic Media Filters

Features

- Corrosion free
- Special synthetic materials
- Unique under-drain "Mushroom" drainage system



Technical Data

| Model | | AGF-48-2 | AGF-48-3 | AGF-48-4 | AGF-48-5 | AGF-48-6 | | AGF-48-2 | AGF-48-3 | AGF-48-4 | AGF-48-5 | AGF-48-6 | |
|---------------------------|-------------------|----------|----------|----------|----------|----------|-----------------|----------|----------|----------|----------|----------|--|
| METRIC | | | | | | | US | | | | | | |
| Connection diameter | mm | 160 | 160 | 225 | 225 | 225 | inch | 6 | 6 | 8 | 8 | 8 | |
| Filtration surface area | m ² | 2.32 | 3.48 | 4.64 | 5.80 | 6.96 | ft ² | 25.00 | 37.50 | 50.00 | 62.50 | 75.00 | |
| Minimum backwash pressure | bar | 2 | | | | | psi | 28 | | | | | |
| Maximum pressure | bar | 6 | | | | | psi | 85 | | | | | |
| Backwash flow rate | m ³ /h | 40-60 | | | | | gpm | 176-264 | | | | | |
| Maximum temp. | °C | 50 | | | | | °F | 122 | | | | | |

Maximum Filtration Flow Rate / Water Quality

| No. of units | | AGF-48-2 | AGF-48-3 | AGF-48-4 | AGF-48-5 | AGF-48-6 | AGF-48-2 | AGF-48-3 | AGF-48-4 | AGF-48-5 | AGF-48-6 | |
|---|---------------|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Filtration Grade | Water Quality | m ³ /h | | | | | gpm | | | | | |
| Media: Basalt media grade 2 | | | | | | | | | | | | |
| 100-80 μ | Good | 136 | 204 | 272 | 340 | 408 | 598 | 898 | 1197 | 1496 | 1795 | |
| | Average | 102 | 153 | 204 | 255 | 306 | 449 | 673 | 898 | 1122 | 1346 | |
| | Poor | 82 | 122 | 163 | 204 | 245 | 359 | 539 | 718 | 898 | 1077 | |
| | Very Poor | 65 | 98 | 131 | 163 | 196 | 287 | 431 | 574 | 718 | 862 | |
| Media: Quartz media grade 1 for nominal depth filtration | | | | | | | | | | | | |
| 50-20 μ | Good | 35 | 52 | 70 | 88 | 104 | 154 | 231 | 308 | 385 | 462 | |
| | Average | 32 | 48 | 64 | 80 | 96 | 141 | 210 | 282 | 350 | 420 | |
| | Poor | 26 | 39 | 52 | 65 | 78 | 114 | 171 | 229 | 285 | 342 | |
| | Very Poor | 20 | 30 | 40 | 50 | 60 | 88 | 132 | 176 | 220 | 264 | |
| Media: AFM Media gradient for absolute depth filtration. Advantage in high organic load in raw water | | | | | | | | | | | | |
| 20-10 μ | Good | 44 | 66 | 88 | 110 | 132 | 194 | 291 | 387 | 485 | 582 | |
| | Average | 38 | 57 | 76 | 95 | 114 | 167 | 250 | 334 | 418 | 501 | |
| | Poor | 32 | 48 | 64 | 80 | 96 | 141 | 210 | 282 | 350 | 420 | |
| | Very Poor | 26 | 39 | 52 | 65 | 78 | 114 | 171 | 229 | 285 | 342 | |

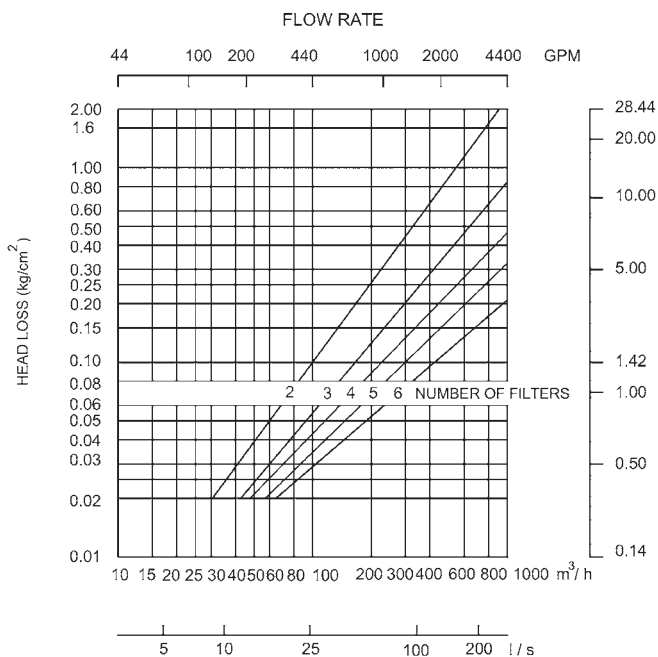
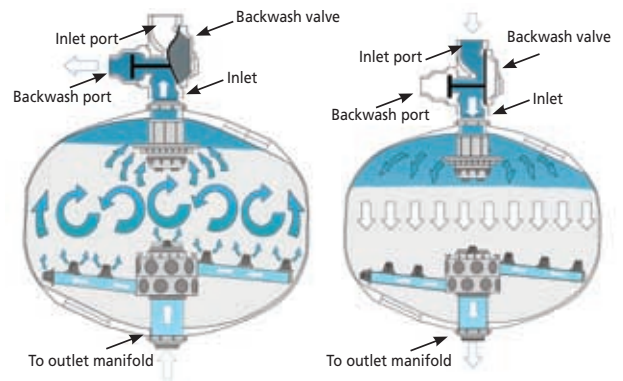
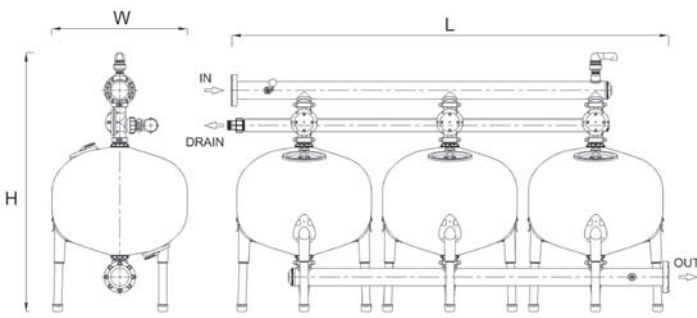
AGF Battery

All Plastic Media Filters

Dimensions and Weights

| Model | | AGF-48-2 | AGF-48-3 | AGF-48-4 | AGF-48-5 | AGF-48-6 | | AGF-48-2 | AGF-48-3 | AGF-48-4 | AGF-48-5 | AGF-48-6 |
|-----------------------------------|----|----------|----------|----------|----------|----------|------|----------|----------|----------|----------|----------|
| D (inlet / outlet diameter) | mm | 160 | 160 | 225 | 225 | 225 | inch | 6 | 6 | 8 | 8 | 8 |
| H (height) | mm | 1991 | 1991 | 2017 | 2017 | 2017 | inch | 78 | 78 | 79 | 79 | 79 |
| A (Dist. between filters connect) | mm | 2630 | 3950 | 5270 | 6590 | 7910 | inch | 104 | 155 | 207 | 259 | 311 |
| W | mm | 1227 | 1227 | 1227 | 1227 | 1227 | inch | 48 | 48 | 48 | 48 | 48 |
| Approximate shipping weight (*) | kg | 240 | 360 | 480 | 600 | 720 | lbs | 529 | 794 | 1058 | 1323 | 1587 |

(*) Weight of media not included



AGF Filter Batteries are available in:
 Polymer materials and polypropylene manifolds

06-0708-DRP-PS-0201-EN

