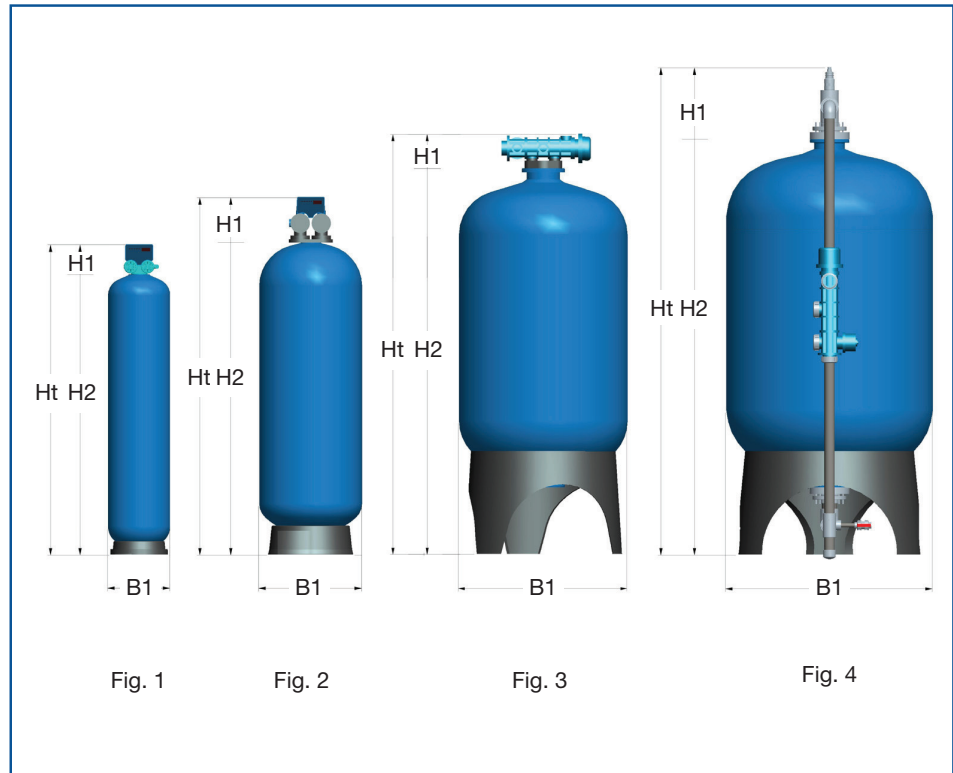
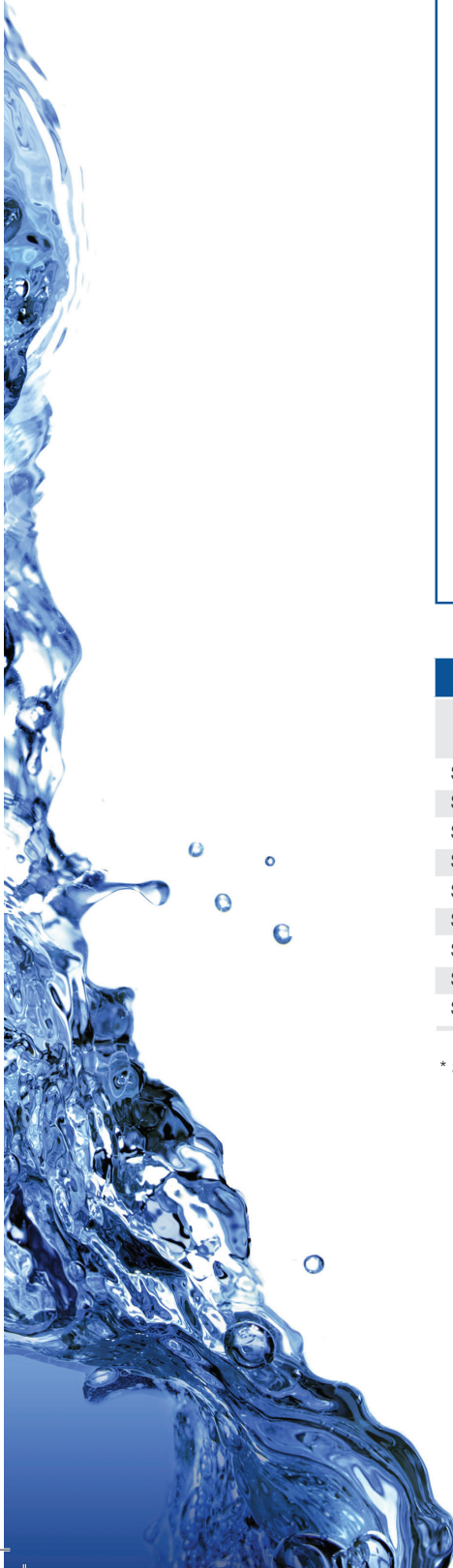


# Siata Filox R Filters



| Dimensions (mm) |          |           |           |           |              |            |
|-----------------|----------|-----------|-----------|-----------|--------------|------------|
| Model Reference | Valve H1 | Vessel H2 | Vessel B1 | Filter Ht | Inlet/Outlet | Drawing No |
| SIF132STE10FR   | 195      | 1387      | 257       | 1582      | 1"           | Fig. 1     |
| SIF132STE13FR   | 195      | 1374      | 334       | 1569      | 1"           | Fig. 1     |
| SIF230STE14FR   | 195      | 1660      | 369       | 1855      | 1¼"          | Fig. 1     |
| SIF250STE16FR   | 370      | 1660      | 406       | 2030      | 1½"          | Fig. 2     |
| SIF250STE18FR   | 370      | 1750      | 469       | 2120      | 1½"          | Fig. 2     |
| SIF250STE21FR   | 370      | 1640      | 552       | 2010      | 1½"          | Fig. 2     |
| SIF351STE24FR   | 260      | 1890      | 610       | 2150      | 1½"          | Fig. 3     |
| SIF351STE30FR   | 260      | 2300      | 770       | 2560      | 1½"          | Fig. 3     |
| SIF363STE36FR   | N/A      | 2350      | 927       | 2550      | 2" SM*       | Fig. 4     |

\* SM denotes side mounted valve



# Siata Filox R Filters

## General conditions for installation

|                               |                           |
|-------------------------------|---------------------------|
| Connection Inlet & Outlet     | V132F : 1"                |
|                               | V230F : 1¼" Union         |
|                               | V250/V351 : 1½" Union     |
|                               | V363 : 2" Union           |
| Electrical Rating             | : 230-12V / 50 Hz         |
| Power Rating                  | : 4.6VA                   |
| Minimum Inlet Pressure        | : 200 kPa ( 2 Bar )       |
| Maximum Inlet Pressure        | : 700 kPa ( 7 Bar )       |
| Vacuum                        | : Not permitted           |
| Average Pressure Loss         | : 100 kPa ( 1 Bar )       |
| Maximum Water Temperature     | : 43°C                    |
| Operating pH Range            | : 5.0 - 9.0               |
| Screen Size                   | : 12 x 40                 |
| Removal Capacity @ Exhaustion | Iron : 27 ppm             |
|                               | Manganese : 11 ppm        |
|                               | Hydrogen Sulfide : 17 ppm |

## Media

|           |   |
|-----------|---|
| Type      | : Filox R ( 75% - 85% Manganese Dioxide )                   |
| Life Span | : Dependent on frequency of backwashing and site conditions |

| Specification            |     |      |      |      |     |
|--------------------------|-----|------|------|------|-----|
| Vessel Diameter          | 10" | 13"  | 14"  | 16"  | 18" |
| Media Volume cu ft       | 1   | 2    | 2.5  | 4    | 5   |
| Service flow rate m³/hr  | 0.9 | 1.8  | 2.2  | 3.6  | 4.5 |
| Backwash flow rate m³/hr | 1.8 | 3.1  | 3.5  | 4.7  | 5.9 |
| Vessel Diameter          | 21" | 24"  | 30"  | 36"  |     |
| Media Volume cu ft       | 6   | 8    | 11   | 16   |     |
| Service flow rate m³/hr  | 5.4 | 7.2  | 10.0 | 14.5 |     |
| Backwash flow rate m³/hr | 8.8 | 11.8 | 16   | 24   |     |

## Regeneration

|        |   |
|--------|---|
| Start  | : Programmable regeneration time + day interval |
| Manual | : Manual operation as required                  |

