Siata Birm Filters

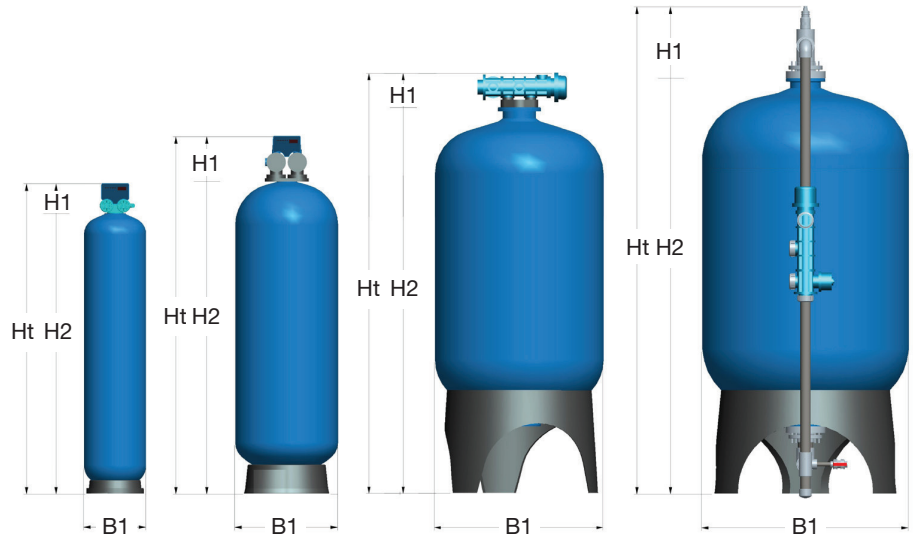

Fig. 1 Fig. 2 Fig. 3 Fig. 4

Dimensions (mm)						
Model Reference	Valve H1	Vessel H2	Vessel B1	Filter Ht	Inlet/ Outlet	Drawing No
SIF132STE10BR	195	1387	257	1582	1"	Fig. 1
SIF132STE13BR	195	1374	334	1569	1"	Fig. 1
SIF132STE14BR	195	1660	369	1855	1"	Fig. 1
SIF132STE16BR	195	1660	406	1855	1"	Fig. 1
SIF230STE18BR	195	1750	469	1945	1"	Fig. 1
SIF250STE21BR	370	1640	552	2010	1½	Fig. 2
SIF250STE24BR	370	1890	610	2260	1½	Fig. 2
SIF250STE30BR	370	2050	770	2420	1½	Fig. 2
SIF351STE36BR	260	2350	927	2610	1½	Fig. 3
SIF363STE42BR	N/A	2435	1074	2635	2" SM*	Fig. 4

* SM denotes side mounted valve

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General conditions for installation

Connection Inlet & Outlet	V132F :	1”
	V230F :	1¼” Union
	V250F/V351F :	1½” Union
	V363F :	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	:	43ºc
Operating Conditions	:	Dissolved Oxygen (DO) content must be equal to at least 15% of the iron (or iron and manganese) content.

Media

Type	:	Birm
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	3	5
Service flow rate m³/hr	0.6	1.1	1.2	1.5	1.9
Backwash flow rate m³/hr	1.2	2.3	2.4	3.2	4.1

Vessel Diameter	21"	24"	30"	36"	42"
Media Volume cu ft	6	8	14	20	28
Service flow rate m³/hr	2.6	3.5	5.4	7.8	10.7
Backwash flow rate m³/hr	5.2	7.3	11.4	16.4	22.3

Regeneration

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

We reserve the right to alter specifications without prior notice. E&OE