



SIATA BIRM FILTERS

DIMENSIONS (MM)						
Model Reference	Valve H1	Vessel H2	Vessel B1	Filter Ht	Inlet/Outlet	Drawing No
SIF132SFEC10BR	195	1387	257	1582	1"	Fig. 1
SIF132SFEC13BR	195	1374	334	1569	1"	Fig. 1
SIF132SFEC14BR	195	1660	369	1855	1"	Fig. 1
SIF132SFEC16BR	195	1660	406	1855	1"	Fig. 1
SIF230SFEC18BR	195	1750	469	1945	1"	Fig. 1
SIF250SFEC21BR	370	1640	552	2010	1½"	Fig. 2
SIF250SFEC24BR	370	1890	610	2260	1½"	Fig. 2
SIF250SFEC30BR	370	2050	770	2420	1½"	Fig. 2

TIME CLOCK	
SIF132SFEC10BR	V132F Birm Iron Removal Filter Kit, 10" x 54" tank, 0.6m ³ /hr
SIF132SFEC13BR	V132F Birm Iron Removal Filter Kit, 13" x 54" tank, 1.1m ³ /hr
SIF132SFEC14BR	V132F Birm Iron Removal Filter Kit, 14" x 65" tank, 1.2m ³ /h
SIF132SFEC16BR	V132F Birm Iron Removal Filter Kit, 16" x 65" tank, 1.5m ³ /hr
SIF230SFEC18BR	V230F Birm Iron Removal Filter Kit, 18" x 65" tank, 1.9m ³ /hr
SIF250SFEC21BR	V250F Birm Iron Removal Filter Kit, 21" x 60" tank, 2.6m ³ /hr
SIF250SFEC24BR	V250F Birm Iron Removal Filter Kit, 24" x 75" tank, 3.5m ³ /hr
SIF250SFEC30BR	V250F Birm Iron Removal Filter Kit, 30" x 78" tank, 5.4m ³ /hr

OPTIONS	
V132 NBP Assy	1" Aquamatic Valve. Complete with Limit Stop and Fitting Kit
V230/V250 NBP Assy	1½" Aquamatic Valve. Complete with Limit Stop and Fitting Kit

GENERAL CONDITIONS FOR INSTALLATION

Connection Inlet & Outlet	V132F	1"
	V230F	1¼" Union
	V250F	1½" 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 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 m ³ /hr	0.6	1.1	1.2	1.5	1.9
Backwash flow rate m ³ /hr	1.2	2.3	2.4	3.2	4.1
Vessel Diameter	21"	24"	30"		
Media Volume cu ft	6	8	14		
Service flow rate m ³ /hr	2.6	3.5	5.4		
Backwash flow rate m ³ /hr	5.2	7.3	11.4		

REGENERATION

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