



## FLECK BIRM FILTERS

DIMENSIONS (MM)						
Model Reference	Valve H1	Vessel H2	Vessel B1	Filter Ht	Inlet/Outlet	Drawing No
FLF58SXTC10BR	220	1387	257	1607	1"	Fig. 1
FLF58SXTC13BR	220	1374	334	1594	1"	Fig. 1
FLF58SXTC14BR	220	1660	369	1880	1"	Fig. 1
FLF58SXTC16BR	220	1660	406	1880	1"	Fig. 1
FLF27SXTC18BR	220	1750	469	1970	1"	Fig. 1
FLF28SXTC21BR	220	1640	552	1860	1½"	Fig. 1
FLF31NXTC24BR	200	2230	610	2430	2"	Fig. 2
FLF31NXTC30BR	200	2300	770	2500	2"	Fig. 2
FLF31NXTC36BR	200	2350	927	2550	2"	Fig. 2
FLF31NXTC42BR	200	2435	1074	2635	2"	Fig. 2

TIME CLOCK		
FLF58SXTC10BR	5800 Birm Iron Removal Filter Kit, 10" x 54" tank, 0.6m <sup>3</sup> /hr	
FLF58SXTC13BR	5800 Birm Iron Removal Filter Kit, 13" x 54" tank, 1.1m <sup>3</sup> /hr	
FLF58SXTC14BR	5800 Birm Iron Removal Filter Kit, 14" x 65" tank, 1.2m <sup>3</sup> /h	
FLF58SXTC16BR	5800 Birm Iron Removal Filter Kit, 16" x 65" tank, 1.5m <sup>3</sup> /hr	
FLF27SXTC18BR	2750 Birm Iron Removal Filter Kit, 18" x 65" tank, 1.9m <sup>3</sup> /hr	
FLF28SXTC21BR	2850 Birm Iron Removal Filter Kit, 21" x 60" tank, 2.6m <sup>3</sup> /hr	
FLF31NXTC24BR	3150 Birm Iron Removal Filter Kit, 24" x 75" tank, 3.5m <sup>3</sup> /hr	
FLF31NXTC30BR	3150 Birm Iron Removal Filter Kit, 30" x 78" tank, 5.4m <sup>3</sup> /hr	
FLF31NXTC36BR	3150 Birm Iron Removal Filter Kit, 36" x 78" tank, 7.8m <sup>3</sup> /hr	
FLF31NXTC42BR	3150 Birm Iron Removal Filter Kit, 42" x 78" tank, 10.7m <sup>3</sup> /hr	

OPTIONS		
2750 NBP	NBP Piston Option - add-on price	
2850 NBP	2850 Valve - add-on price	
3150 NBP	3150 Valve - add-on price	
	Auxiliary Microswitch	

## GENERAL CONDITIONS FOR INSTALLATION

Connection Inlet & Outlet	5800 / 2750	1" BSP
	2850	1½" BSP
	3150	2" BSP
Electrical Rating		230-24V / 50 Hz
Power Rating		55 watts
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 <sup>3</sup> /hr	0.6	1.1	1.2	1.5	1.9
Backwash flow rate m <sup>3</sup> /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 m <sup>3</sup> /hr	2.6	3.5	5.4	7.8	10.7
Backwash flow rate m <sup>3</sup> /hr	5.2	7.3	11.4	16.4	22.3

## REGENERATION

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