

BSSB Series Water Filtration



BACFREE® BSSB series water filtration are developed and designed as a cost-effective, efficient and reliable way of providing treated water using FLOTROL automatic control valves for potable and non-potable applications. The BSSB will meet your varying filtration needs and ensure the highest quality, ease of operation and low maintenance. The filters can be custom designed and pre-engineered to meet any of the specific application requirements.



Specifications

Model		BSSB25	BSSB30	BSSB40	BSSB50	BSSB60	
Flow rate	m ³ /hr	2.5	3.5	5.0	8.0	11.0	
Dimension	Vessel	mm	ø250 x 1,350	ø300 x 1,350	ø400 x 1,620	ø500 x 1,620	ø600 x 1,850
	Inlet	mm	ø20	ø20	ø20	ø20	ø20
	Outlet	mm	ø20	ø20	ø20	ø20	ø20
Material construction	Vessel	SUS304 food-grade stainless steel with internal lining using food-grade epoxy phenolic coating					
	Installation pipe	SUS304 stainless steel PVC (Class E) PPR					
	Backwash pipe	PVC (Class E)					
Control valves	Manual	PVC ball valves					
	Automatic	FLOTROL automatic control valves					
Filtration size	mm	5 - applicable for MMF					
Backwash duration		1 - 3 days for 5 - 20 minutes					
Operating pressure	Bar	1.5 - 5					
Electrical	V	Single phase 220 - 240 V / 13 A power supply					
Media specification	Multi medium	MMF - Activated carbon, Anthracite, Quartz (Fine, Medium & Coarse) & Gravel					
	Carbon	GAC - Activated carbon					
	Softener	SOFTIX - Ion-exchange resin					
	Filox	FILOX - Solid manganese dioxide					

Note:

- i. Design flow rate based on BACFREE® standard filtration guideline of 24 - 61 m³/hour/m² (10 usgpm/ft²).
- ii. Models also available at higher flow rates. Selection of flow depends on influent water quality, effluent filtered water requirements and applications. Please consult BACFREE®.
- iii. Model numbers identify individual filter vessel size diameter and height (first set of number) and number of tanks per system (last set of number). End of model number "A" - automatic; "M" - manual; "MMF" - multi medium filter; "GAC" - activated carbon filter; "SOFTIX" - softener; "FILOX" - single bed filter.
- iv. Single system and multi system can be configured and custom made to accommodate specific spacing / footprint requirements.