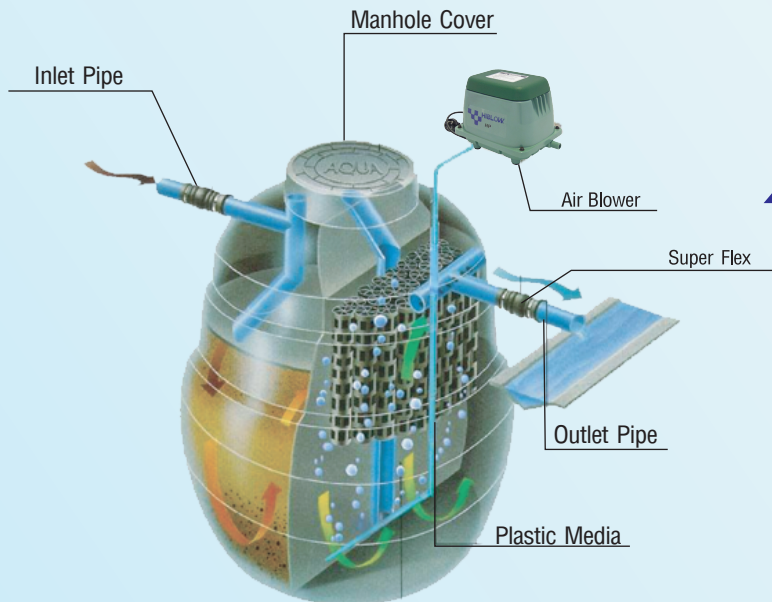


“Easy installation and time saving”



*Fluidized moving bed**

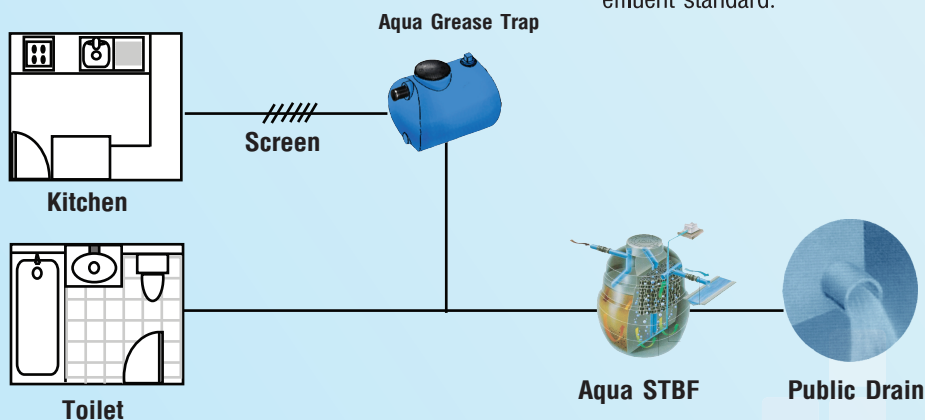
Enhanced treatment efficiency

Working standard Certified by ISO9001

**The media bed is fluidized. Old microbial cells slough out and new and active cells grow up.*

AQUA SEPTIC BIOFILM is a new product design which combines the AQUA PAC and AQUA BIOFILM into one. This model is effective and efficient in cost, wastewater treatment which also reduces odor and reduce effluent BOD.

Flow Chart



AQUA SEPTIC BIOFILM uses aerobic treatment process. Wastewater from all activities first flow into Septic zone where solid wastes and waste water is separated. Once solid separation zone is complete, only the supernatant flows into the secondary treatment process which is aerobic treatment. In aerobic treatment process, the microbial cells create biofilm on each plastic media as colony and help digest waste water to meet effluent standard.





Quality Water for Quality Life

Tank body is made of polyethylene (PE)

The type of PE is Linear Low Density Type Medium Density (LLDPE) which is standardized by Thai Industrial Standard TISI 816-2556 The tank is tested and approved through standardized tests by Vacuum test and Loading test (National standard of Canada CAN/CSA-B66-16) and with our skilled engineering practices we can assure the tank will withstand soil pressure.

Air Blower

With convenient, energy-saving and highly-efficient features, the air blower is energy-efficient. The engine produces a low level of noise at 40-50dB (A)/m. and importantly, it can perform a continuous operation of 20,000 hours with easy maintenance.

Cover is made from ABS

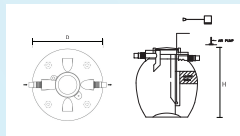
ABS is an engineering plastic which is long lasting, light weighted and very durable in all weather and environmental conditions.

Plastic Media

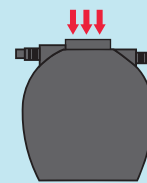
is made from Polyethylene (PE) designed for durability, anti-clogging and for micro bacteria organisms to attachment on surface areas of the media.

Super Flex

protects pipe from cracking caused by land subsidence (License of AQUA). It is specially designed to protect the pipe joint to the tank and is a set with the system. This product is protected under Petty Patent No.4285 dated on June 17, 2008.

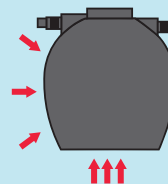


CANADIAN STANDARD



✓ LOAD TEST

Passed with compressive strength 1,200 Kg./m²



✓ VACUUM TEST

Passed Vacuum Test with outside pressure of 60 mbar

Model	Population										Canteen
	Residential		Office		School / University (All Activities)		Factory (All Activities)		Factory (Toilet Only)		
	All Activities	Toilet Only	All Activities	Toilet Only	All Activities	Toilet Only	A pour flush toilet	A cistern flush toilet	A pour flush toilet	A cistern flush toilet	Toilet Only
	200 lpcd	80 lpcd	80 lpcd	60 lpcd	80 lpcd	60 lpcd	50 lpcd	80 lpcd	40 lpcd	60 lpcd	20 lpcd
STBF-1200	3	8	8	10	8	10	13	8	16	10	32
STBF-1600	5	11	11	14	11	14	17	11	22	14	44
STBF-1800	6	12	12	16	12	16	19	12	24	16	48
STBF-2000	7	14	14	18	14	18	22	14	28	18	56
STBF-3000	8	20	20	27	20	27	32	20	40	27	80
STBF-4000	10	26	26	34	26	34	41	26	52	34	104
STBF-5000	15	37	37	50	37	50	60	37	75	50	150
STBF-6000	20	50	50	65	50	65	80	50	100	65	200

Model	Dimensions					Air Blower		Effective Volume (litre)	Septic Zone (litre)	Fixed Film Aeration (litre)
	Diameter (mm.) D	Height (mm.) H	Inlet, Outlet pipe (mm.)	Air Vent pipe (mm.)	Air pipe (mm.)	Air flow (l/min)	Power Consumption (watt)			
STBF-1200	1315	1400	100	50	25	28	29	1200	790	410
STBF-1600	1390	1545	100	50	25	28	29	1600	1050	550
STBF-1800	1510	1635	100	50	25	45	47	1800	1200	600
STBF-2000	1550	1650	100	50	25	45	47	2000	1300	700
STBF-3000	1760	2030	100	50	25	60	64	3000	1950	1050
STBF-4000	1910	2150	100	50	25	80	86	4000	2700	1300
STBF-5000	2030	2325	100	50	25	120	130	5000	3350	1650
STBF-6000	2175	2480	150	50	25	150	172	6000	4000	2000

*The company reserves the right to make changes or revisions to the information contained in this document without prior notice. lpcd = litre per capita per day