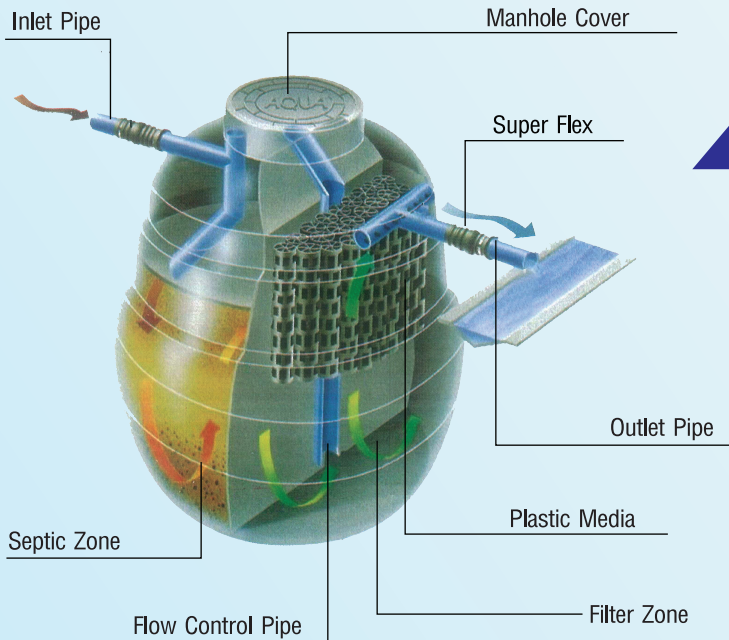


# AQUA PAC(AP)

“Simple , Compact with dual functions in one tank”



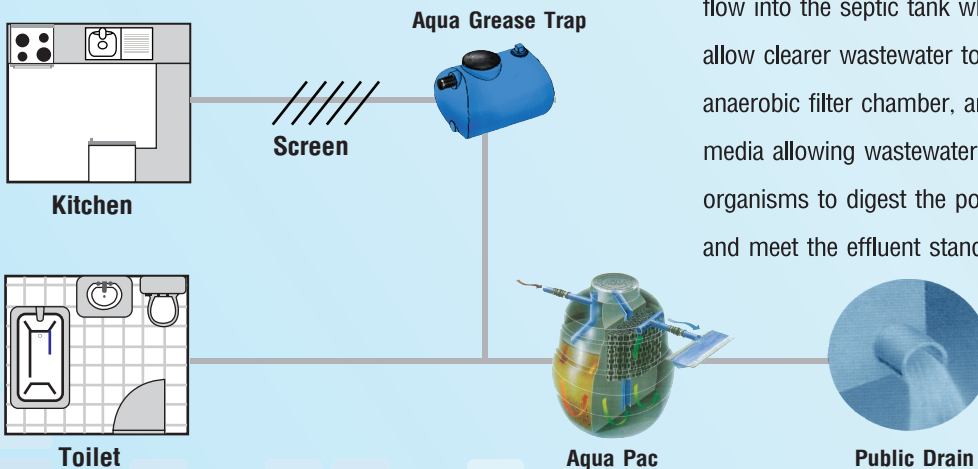
*Control with Two Step Flow System*

*Treatment efficiency meet standard requirements*

*Working standard Certified by ISO9001*

**AQUA PAC** is a package treatment tank. AQUA PAC consists of septic and anaerobic filter chamber in one tank. It is suitable for wastewater from residential area to small offices. Treated water will have quality meeting the effluent standard and can be discharged without adverse effects to environment.

## WORKING PROCESS



**AQUA PAC** uses anaerobic micro bacteria to digest organic matters in the wastewater. Wastewater generated from variety of activities will first flow into the septic tank where solid wastes settles to the bottom and allow clearer wastewater to flow into anaerobic filter chamber. Inside anaerobic filter chamber, anaerobic micro organisms colonizes the plastic media allowing wastewater to flow through the media for anaerobic micro organisms to digest the pollutants till wastewater become clean and meet the 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 Thailand 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.



**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.



**AQUA SEED**

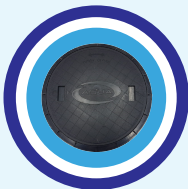
consists of selected micro bacteria organisms best suited for Thai environment to enhance the micro organism digestion efficiency.



**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.



**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.

**CANADIAN STANDARD**

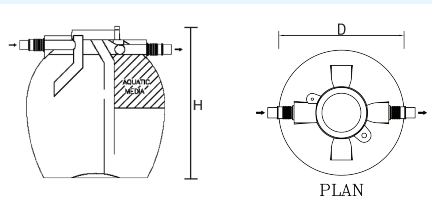
**LOAD TEST**

Passed with compressive strength 1.200 Kg./m<sup>2</sup>

**VACUUM TEST**

Passed Vacuum Test with outside pressure of 60 mbar

Model	Dimensions						
	Diameter (mm.) D	Height (mm.) H	Inlet Outlet pipe (mm.)	Air vent pipe (mm.)	Effective Volume (Litre)	Septic Zone (Litre)	Filter Zone (Litre)
AP-1200	1315	1400	100	50	1200	790	410
AP-1600	1390	1545	100	50	1600	1050	550
AP-1800	1510	1635	100	50	1800	1200	600
AP-2000	1550	1650	100	50	2000	1300	700
AP-2230	1550	1750	100	50	2230	1500	730
AP-3000	1760	2030	100	50	3000	2000	1000
AP-4000	1910	2150	100	50	4000	2700	1300
AP-5000	2030	2325	100	50	5000	3350	1650
AP-6000	2175	2480	100	50	6000	4000	2000



Model	Population										
	Residential		Office		School / University (All Activities)		Factory (All Activities)		Factory (Toilet Only)		Canteen
	All Activities 200 lpcd	Toilet Only 80 lpcd	All Activities 80 lpcd	Toilet Only 60 lpcd	All Activities 80 lpcd	Toilet Only 60 lpcd	A pour flush toilet 50 lpcd	A cistern flush toilet 80 lpcd	A pour flush toilet 40 lpcd	A cistern flush toilet 60 lpcd	Toilet Only 20 lpcd
AP-1200	3	8	8	10	8	10	13	8	16	10	32
AP-1600	5	11	11	14	11	14	17	11	22	14	44
AP-1800	6	12	12	16	12	16	19	12	24	16	48
AP-2000	7	14	14	18	14	18	22	14	28	18	56
AP-2230	7	15	15	20	15	20	24	15	30	20	60
AP-3000	8	20	20	27	20	27	32	20	40	27	80
AP-4000	10	26	26	34	26	34	41	26	52	34	104
AP-5000	13	33	33	44	33	44	52	33	66	44	132
AP-6000	16	40	40	53	40	53	64	40	80	53	160

\*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