BNH

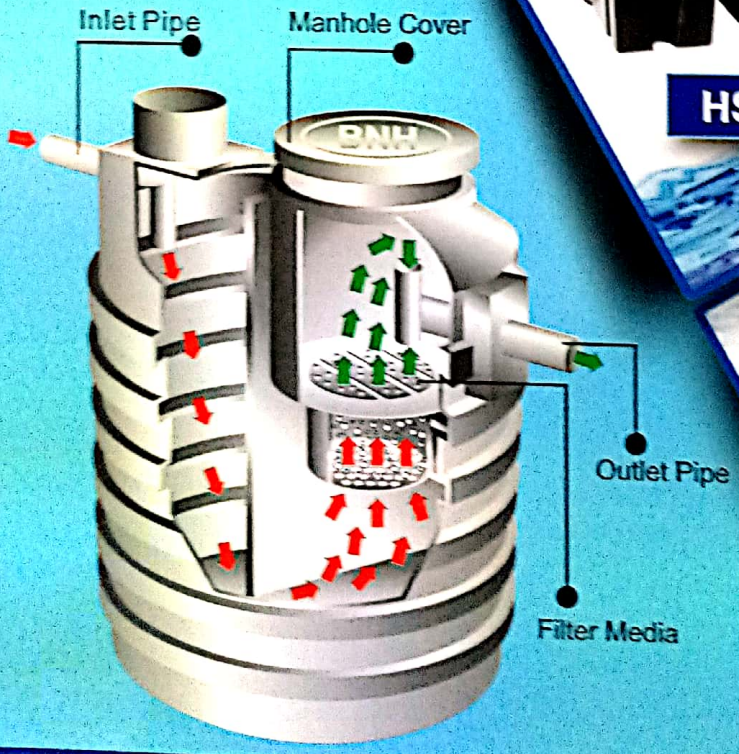
BNH WASTEWATER TREATMENT SYSTEM

POLYETHYLENE SEPTIC TANKS

SPAN Approved

For sewerage system replacement and new construction, BNH SEPTIC TANKS are designed for efficiency and quick installation. Polyethylene tanks are seamless, water tight, chemical resistant and won't crack or rust.

WARRANTY 5 YEARS WARRANTY



SPAN

Ikram QA Services Sdn Bhd

Manufacturer:

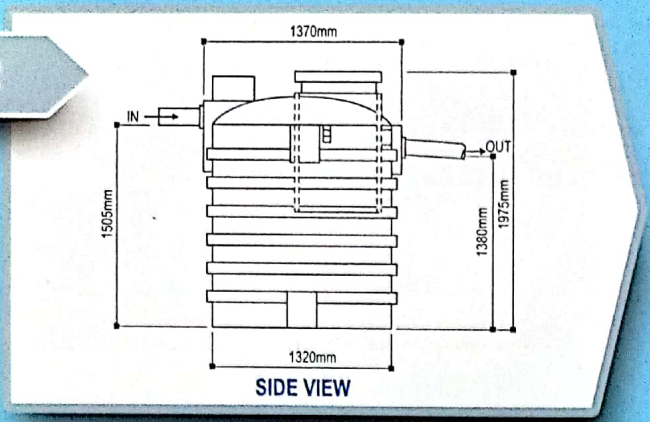
BNH MANUFACTURER SDN BHD (372557-K)

PERAK, W. MALAYSIA

www.bnhmanufacturer.com

Dealer:

VS-2

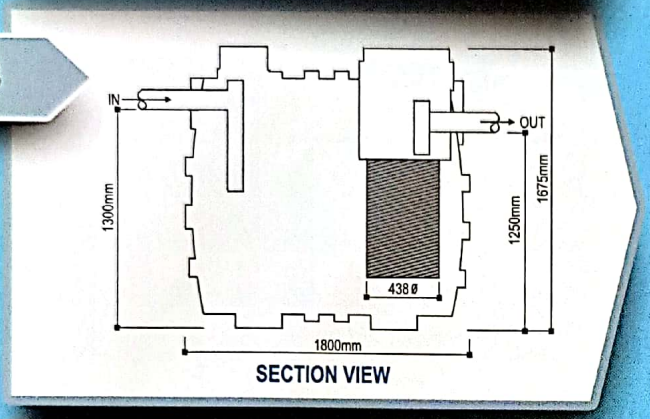


SIDE VIEW

SPECIFICATIONS

VOLUME TO WATER LEVEL	(Litre)	2046
SEPARATION CHAMBER	(Litre)	1912
FILTRATION CHAMBER	(Litre)	134
HEIGHT (H)	(mm)	1975
DIAMETER (D)	(mm)	1320
INLET PIPE LEVEL (X)	(mm)	405
OUTLET PIPE LEVEL (Y)	(mm)	480
INLET PIPE LEVEL DIAMETER	(mm)	100
OUTLET PIPE DIAMETER	(mm)	100
VENTILATION PIPE	(mm)	75
DETENTION TIME	HOUR	34
POPULATION EQUIVALENT	PE	6

HS-3

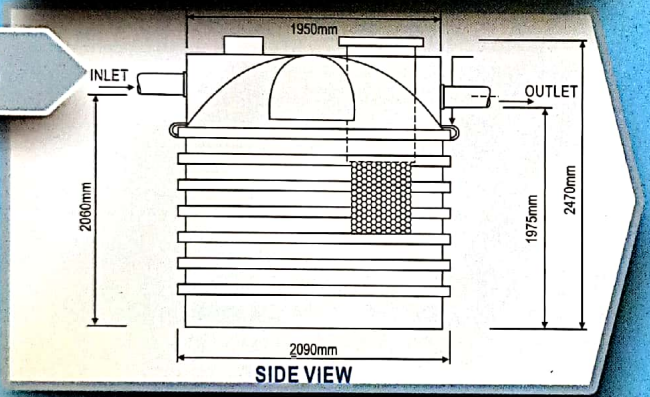


SECTION VIEW

SPECIFICATIONS

VOLUME TO WATER LEVEL	(Litre)	3087
SEPARATION CHAMBER	(Litre)	2983
FILTRATION CHAMBER	(Litre)	104
HEIGHT (H)	(mm)	1675
DIAMETER (D)	(mm)	1490
INLET PIPE LEVEL (X)	(mm)	375
OUTLET PIPE LEVEL (Y)	(mm)	425
INLET PIPE DIAMETER	(mm)	100
OUTLET PIPE DIAMETER	(mm)	100
VENTILATION PIPE DIAMETER	(mm)	75
DETENTION TIME	HOUR	35
POPULATION EQUIVALENT	PE	10

VS-6



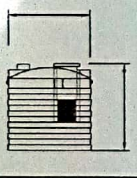
SIDE VIEW

SPECIFICATIONS

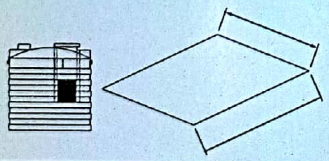
VOLUME TO WATER LEVEL	(Litre)	6777
SEPARATION CHAMBER	(Litre)	6590
FILTRATION CHAMBER	(Litre)	187
HEIGHT (H)	(mm)	2470
DIAMETER (D)	(mm)	2090
INLET PIPE LEVEL (X)	(mm)	410
OUTLET PIPE LEVEL (Y)	(mm)	495
INLET PIPE DIAMETER	(mm)	160
OUTLET PIPE DIAMETER	(mm)	160
VENTILATION PIPE DIAMETER	(mm)	75
DETENTION TIME	HOUR	32
POPULATION EQUIVALENT	PE	22

Installation Procedures Of BNH Polyethylene Septic Tanks

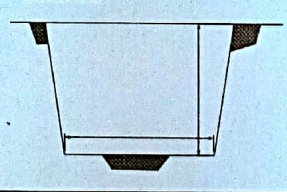
STEP1 : MEASURE
*MEASURE THE SIZE OF THE SEPTIC TANK.



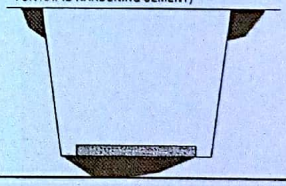
STEP2 : LOCATE
- IDENTIFY THE LOCATION FOR THE SEPTIC TANK.
- SET OUT THE PIT TO BE EXCAVATED.
- CHECK THAT THE SIZE OF THE PIT IS LARGER THEN THE SEPTIC TANK.'
- ALLOW MAXIMUM BURIAL OF 0.6- METER (2 FT)



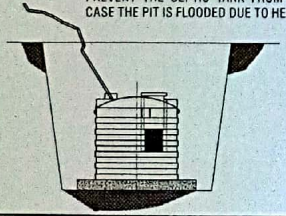
STEP3 : CHECK
- CHECK THE DIMENSIONS (LENGTH, WIDTH AND HEIGHT) OF THE PIT.
- CLEAN THE PIT BY REMOVING ANY SOLID OBJECTS e.g. ROOTS, TILES & STONES.



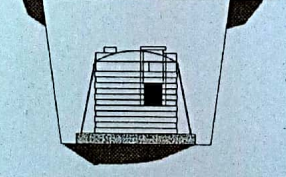
STEP4 : PREPARE
- PREPARE THE BASE FOR THE SEPTIC TANK :-
- FIRST ONE LAYER OF 50mm THK LEAN CONCRETE. THEN ONE LAYER OF 100mm THK. 1:2:4 CONCRETE REINFORCED WITH BRC 65 LET THE CONCRETE HARDEN PROPERLY. (MINIMUM 7 DAYS FOR RAPID HARDENING CEMENT)



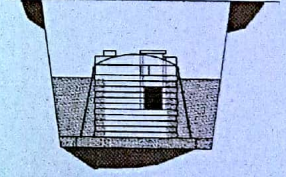
STEP5 : FILL
- FILL THE SEPTIC TANK WITH THE CLEAN WATER TO PREVENT THE SEPTIC TANK FROM FLOATING IN CASE THE PIT IS FLOODED DUE TO HEAVY RAIN.



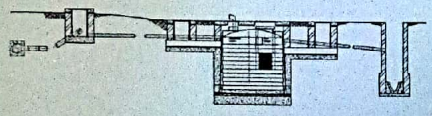
STEP6 : INSTALLING & STRAPPING
- PLUG THE INLET AND OUTLET PIPE SOCKETS TO PREVENT SMALL OBJECTS FROM GETTING IN TO THE SEPTIC TANK.
- INSTALL SEPTIC TANK PROPERLY ON THE CONCRETE BASE, ABOVE GROUND IS NOT PERMITTED"AGINP"
- STRAP BOTH TOP SIDE OF THE TANK FIRMLY TO THE CONCRETE BASE WITH STAINLESS STEEL CABLE AND TURN BACKLE.



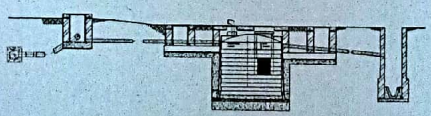
STEP7 : BACKFILL
- BACKFILL THE PIT WITH GRANULAR MATERIAL/SAND UP TO 100mm (4") BELOW THE INLET AND OUTLET UP PIPE SOCKETS.
- MAKE SURE THE BACKFILL MATERIAL (SAND) IS PROPERLY COMPACTED.



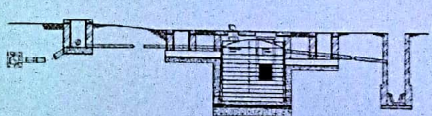
STEP8 : CONNECT
- REMOVE THE PLUGS FROM THE SEPTIC TANK.
- CONNECT THE INLET OUTLET AND VENTILATION PIPES. ACCORDING TO THE DRAWINGS
- CAST THE TOP CONCRETE SLAB IF ANY AT LEAST 300mm BEYOND THE EDGES OF THE SEPTIC TANK.



STEP9 : TEST AND COMMISSION
- TEST THE WORKABILITY OF THE SEPTIC TANK.
- COMMISSION THE SYSTEM AFTER INSPECTION.



STEP10 : MAINTAINANDSERVICE
- MAINTAIN AND SERVICE THE SEPTIC TANK BY PERIODIC. DESLUDGING THROUGH THE MANHOLE OPENING e.g .EVERY 2-3 YEARS.



GUARANTEE: We Shall not be held responsible for any defects or damages to the septic tank if installation procedures are not followed correctly. Our liability is limited to replacing defective septic tank only. We shall not be responsible for any consequential loss resulting from the septic tank.