

BIOMAX



www.biomax.it



Plant advantages

A wide range of capacity - from the sauna to the village.

Environment-friendly and easy to use.

Quality & durability - 10 year warranty.

Purifies nitrogen and phosphorus.

High cleaning parameters.

Low operating costs.

Easy to install.

Suitable for small plots.

No noise and no smell.

Meets all the requirements, marked with CE.

There are mechanical baskets to trap non-degradable materials.

Larger chambers mean less over sludge removal.

There are no breathers.

All household chemicals can be used.

You can throw the toilet paper into WC.

No need for a concrete bottom.

Cheaper installation costs.

Optimized air supply, resulting in efficient work.

Easy and convenient transportation.

HANS GROUP
BIOLOGICAL WASTEWATER TREATMENT PLANTS

Declaration of Conformity

Declaration of Conformity

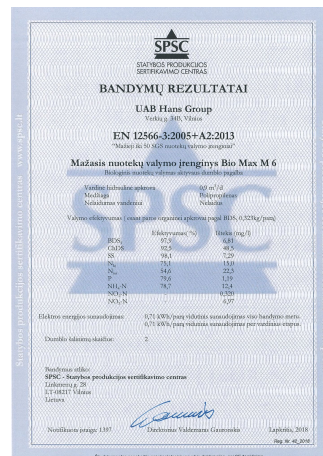
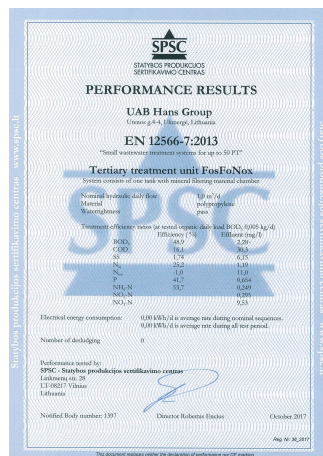
Parko str. 1A,
Anšerai,
14198 Vilnius r.
www.banaroun.lt

Characteristic	Previous to the present generation	Standard comparison value	Test protocol																								
Impact efficiency, as the ratio of the impact force to the impact force (N/m ²)	EN 12566-2:2000 +2007 Annex A.3 +2008 Annex A.3	<table border="1"> <thead> <tr> <th>Material</th> <th>Impact force (N)</th> <th>Impact force (N/m²)</th> </tr> </thead> <tbody> <tr> <td>Steel</td> <td>1000</td> <td>100.0</td> </tr> <tr> <td>Aluminum</td> <td>500</td> <td>50.0</td> </tr> <tr> <td>Concrete</td> <td>100</td> <td>10.0</td> </tr> <tr> <td>Brick</td> <td>50</td> <td>5.0</td> </tr> <tr> <td>Plastic</td> <td>10</td> <td>1.0</td> </tr> <tr> <td>Wood</td> <td>5</td> <td>0.5</td> </tr> <tr> <td>Glass</td> <td>1</td> <td>0.1</td> </tr> </tbody> </table>	Material	Impact force (N)	Impact force (N/m ²)	Steel	1000	100.0	Aluminum	500	50.0	Concrete	100	10.0	Brick	50	5.0	Plastic	10	1.0	Wood	5	0.5	Glass	1	0.1	Report on the test of domestic products (EN 12566-2:2000) (Bureau Veritas, November 2011)
Material	Impact force (N)	Impact force (N/m ²)																									
Steel	1000	100.0																									
Aluminum	500	50.0																									
Concrete	100	10.0																									
Brick	50	5.0																									
Plastic	10	1.0																									
Wood	5	0.5																									
Glass	1	0.1																									
Clearing capacity on marking	EN 12566-2:2000 +2007 Annex A.4 +2008 Annex A.4	corresponds	Manufacturer's Declaration *																								
Water permeability (N/m ²)	EN 12566-2:2000 +2007 Annex A.4 +2008 Annex A.4	exceeds	Test protocol No 1267 CEN 12566-2:2000 +2007 Annex A.4 +2008 Annex A.4																								
Mechanical resistance on penetration performance (N/m ²)	EN 12566-2:2000 +2007 Annex A.4 +2008 Annex A.4	exceeds	Test protocol No 1267 CEN 12566-2:2000 +2007 Annex A.4 +2008 Annex A.4																								
Stability (N/m ²)	EN 12566-2:2000 +2007 Annex A.4	exceeds	Attestation 2010-11																								
Material		Polypropylene PP																									

Product number:
JSC "Hera Group"
General Manager Justas Sinevicius

**FORGET
WASTEWATER**

FORGET
WASTEWATER



BIOMAX systems have a Declaration of performance of M5-50, comply with EN 12566 - 3:2006 + A1:2009 and EN 12566 - 7:2013 standards. We work according to ISO 9001, ISO 14001, and ISO 45001 quality policies.



Standard solution

Biomax system with an infiltration well. Concrete infiltration well without a bottom, the treated sewage flows into the ground.

Control well

The treated wastewater is discharged into the natural environment via control/sampling well.





Pump station for treated water

This solution is used when due to terrain or distance, treated sewage cannot flow out. With the pump station's help sewage is pumped where needed.

Infiltration in the embankment

When there is impermeable soil on the plot and there is no place to discharge treated sewage, the pumping station raises it to a well installed above the ground surface, which is surrounded by pebbles/gravel, thus forming an infiltration field.





Pump station for lifting sewage

If there is high ground water or the pipe is out of the house deeper than allowed maximum depth inflow into the system, a sewage pump station is installed, with the help of which the wastewater is pumped to a Biomax from which the treated wastewater flows into an infiltration well.

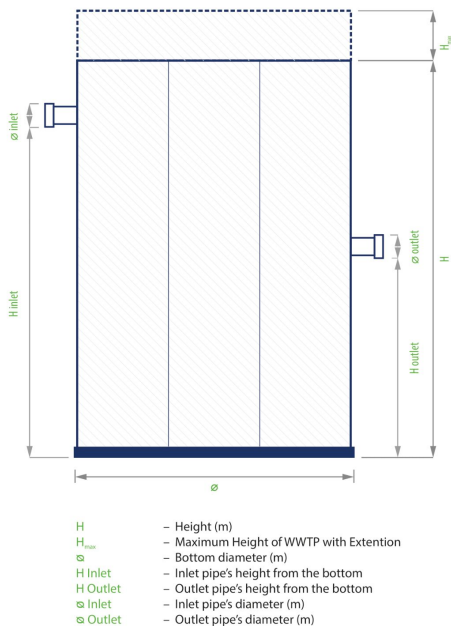
Biomax Sewage treatment system in the driveway

If the pipe is led from the house to the driveway, or just to save space, the device can be installed in reinforced concrete rings. Some space is left for service above and covered with a reinforced concrete plate. Cast iron covers are placed on both wells, for the Biomax, and infiltration.





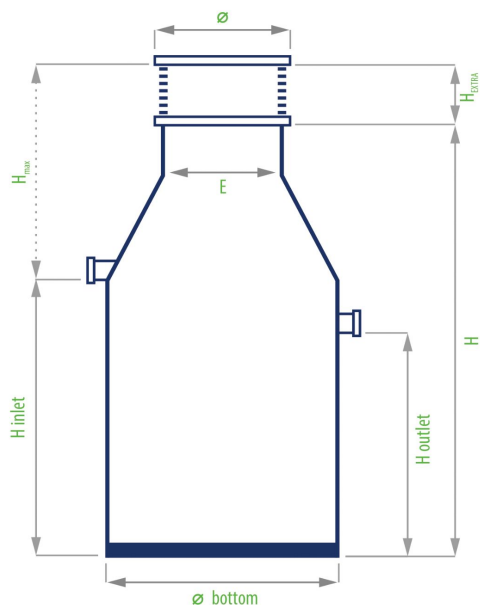
BIOMAX M5 – M50



BIOMAX	Number of residents	Capacity (m3/d)	BDS5 (g/d)	Weight (kg)	Size (ø x H x H max, m)	Blower capacity (l/min)	H inlet / H outlet, m	ø inflow / ø outflow
M-5	4	0,6	240	130	1,36 x 2,0 x 2,6	60	1,5 / 1,25	110/110
M-6	6	0,9	360	145	1,4 x 2,2 x 2,8	80	1,7 / 1,5	110/110
M-8	8	1,2	480	210	1,76 x 2,0 x 2,6	100	1,5 / 1,25	110/110*
M-10	10	1,5	600	255	1,8 x 2,2 x 2,8	120	1,7 / 1,5	110/110*
M-15	15	2,25	900	370	1,95 x 2,8 x 3,4	150	2,3 / 1,95	110/110*
M-20	20	3	1200	490	2,25 x 2,8 x 3,4	200	2,3 / 1,95	110/110*
M-25	25	3,75	1500	550	2,5 x 2,8 x 3,4	250	2,3 / 1,95	110/110*
M-30	30	4,5	1800	610	2,75 x 2,8 x 3,4	300	2,3 / 1,95	110/110*
M-35	35	5,25	2100	700	2,82 x 3,0 x 3,6	300	2,5 / 2,15	110/110*
M-40	40	6	2400	790	3,0 x 3,0 x 3,6	400	2,5 / 2,15	110/110*
M-50	50	7,5	3000	850	3,0 x 3,0 x 3,6	500	2,8 / 2,6	110/110*

***- inflow/outflow openings are custom-made according to orders**

BIOMAX M5M – M25M

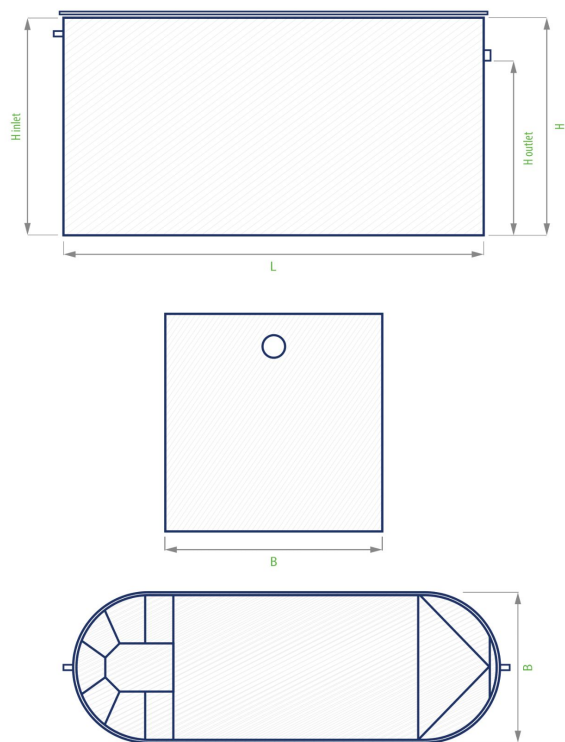


- H – Height (m)
- H_{max} – Maximum Height of WWTP with Extension
- \varnothing – Bottom diameter (m)
- H_{inlet} – Inlet pipe's height from the bottom
- H_{outlet} – Outlet pipe's height from the bottom
- \varnothing_{inlet} – Inlet pipe's diameter (m)
- \varnothing_{outlet} – Outlet pipe's diameter (m)



BIOMAX	Number of residents	Capacity (m3/d)	BDS5 (g/d)	Weight (kg)	Size (\varnothing x H x H max, m)	Lid \varnothing (m)	Blower capacity (l/min)	H inlet / H outlet, m
M-5M	4	0,6	240	150	1,36 x 2,4/2,65	0,7	60	1,5 / 1,25
M-6M	6	0,9	360	160	1,4 x 2,6/2,85	0,7	80	1,7 / 1,5
M-8M	8	1,2	480	240	1,76 x 2,4/2,65	0,7	100	1,5 / 1,25
M-10M	10	1,5	600	280	1,8 x 2,6/2,85	0,7	120	1,7 / 1,5
M-15M	15	2,25	900	372	1,95 x 3,20/3,45	1,0	150	2,3 / 1,95
M-20M	20	3	1200	585	2,25 x 3,2/3,45	1,1	200	2,3 / 1,95

High-performance plant



BIOMAX	Number of residents	Capacity (m3/d)	BDS5 (kg/d)	Weight (kg)	(B x L x H, m)	Blower capacity (l/min)	H inlet / H outlet, m
M-75	50-76	11,4	4,56	950	2,4 x 5,49 x 2,5	655	2,2/2
M-100	76-101	15,2	6,06	1190	2,4 x 6,54 x 2,5	880	2,2/2
M-120	101-121	18,2	7,26	1350	2,4 x 7,35 x 2,5	1060	2,2/2
M-150	121-151	22,7	9,06	1560	2,4 x 8,65 x 2,5	1295	2,2/2
M-200	151-201	30,2	12,06	1910	2,4 x 10,70 x 2,5	1735	2,2/2
M-250	201-251	37,7	15,06	2340	2,4 x 12,95 x 2,5	2160	2,2/2

Accessories



Reinforced Paneltim bottom



Blower box



Conical cover



Cover for a standard M-type plant



Water pumping station

Contact us!



Address

Hans Group, UAB
Parko str. 1a, Avizieniai
Vilniaus r. 14198



Contacts

+370 601 96555
info@hansgroup.lt
www.biomax.lt