

HYBRID

TOILET SYSTEM

Microflush Pedestal

Compliant with AS 1428.1

Assembly & Installation Instructions

All instructions are referenced to the drawings provided



INSTALLATION

1. Refer to drawings **GTL-0000-17, HTS-MFA-000, HTS-MFA-001, HTS-MFA-002, HTS-MFA-003, HTS-MFA-004, HTS-MFA-005 & HTS-MFA-006** for STANDARD & PWD installation of pedestal and dropper tube.
2. Position, mark and cut a 180mm dia. hole in the cubical floor for the dropper tube. **Standard cubicles 315mm from back wall, PWD 525mm from back wall.** Consideration needs to be given to the under-floor structure when determining the position of the dropper tube.
3. Slide the piece of 150mm PVC pipe down through the floor until it rests on the lid of the tank. Using a spirit level, plumb the piece of pipe. It is important that this pipe is vertical.
4. Mark the hole to be cut in the tank lid by scribing around the pipe onto the lid of the tank with a marking pen or similar.
5. As before, cut the hole in the tank lid with the jigsaw.
6. Using a measuring tape, measure from the floor down to the lowest point on the tank lid. Add 50mm to this dimension. Measure from the end of the pipe with the screw in it and cut off the excess.
7. To install the moulded black transition piece marked 'C'. Using silicone, run a bead around the spigot end of the transition about 20mm in from the end.
8. Remove the screw from the dropper tube and slide the transition spigot into the dropper tube. Install the screw into the pre-drilled hole in both tube and transition.
9. Place the pedestal marked 'D' on the floor over the dropper hole. Slide the assembled dropper tube down through the pedestal and the floor and into the hole in the tank. It should only penetrate the lid a **maximum of 20mm.** If necessary, stick a screw or two out of the dropper to stop it hanging too low in the tank. **The 20 mm maximum is necessary to avoid buildup of paper and waste in the dropper tube.**
10. Place the top plate bowl assembly marked 'B' into the top of the pedestal and gently maneuver into position. You will need to push the flap down with your hand as you engage the transition. Using the centre line as a guide, position the pedestal ensuring that the Stainless Steel flap hinges fully down and returns without interference.
11. Mark around the perimeter of the pedestal onto the floor and remove the internal components and remove the pedestal.
In the marked area of the rear section of the pedestal drill or holesaw a 25mm hole in the floor to take the black water hose. Note, stay inside the line of the flange.
12. Note, the pre-drilled holes in the internal flange of the pedestal base. Seal under the flange with silicone if appropriate by placing a bead of silicone on the floor and fix the pedestal through these holes with the screws provided.
13. If these holes are unsuitable, select new positions and pre-drill the holes.
14. Re-install the dropper tube assembly. Next, feed the black hose through the 25mm hole in the floor and install the top plate. Fit the seat marked 'A' to the top plate and tighten the seat bolts.



Microflush Foot Pump *Installation Instructions*

- This is a generic instruction that refers to all unit sizes.
- There may be slight variations from model to model.
- Refer to drawing No. **HTS-MFA-000, HTS-MFA-001, HTS-MFA-002, HTS-MFA-003**. These are the generic drawings that shows the location of the connection points, layout and route of the suction and delivery hoses.
- Layout the components on the floor and familiarize yourself with all the components that are shown on the drawing.
- The suction inlet hose will already be installed through the floor as per the pedestal installation instructions.

General Instructions

Proceed as follows:

1. Locate the foot pump housing. Determine the best position to install this pump housing. They are normally installed on the floor of the cubicle on the right hand side when you are facing the pedestal.
2. Cut the hole in the floor to mount the pump.
3. Once you have completed this, determine the best position to mount the cistern. The cistern must be mounted with the bottom of the cistern at floor height so that it provides a flooded suction to the pump. The cistern must be mounted in the upright position and fixed securely to the mounting point. ***Note: If installed with an auto inoculator system, both cisterns need to be mounted at the same level.***
4. If you have a multiple pedestal installation, you will note that there are multiple connection points available in the bottom of the cistern.
5. Using the hose supplied, complete the connections to all the pedestals. Allow an extra loop of hose approximately 600m for the pump connection. This allows the pump **to be pulled up through the floor for maintenance. Where required, support the hose fixing with clips.**
6. All points should now be connected and the installation ready to be primed. Check to ensure that connections are tight. Any air leaks will result in the system or part of it losing its prime.
7. Begin to prime the system by operating the pump until water is seen flushing without air locks into the pedestal. Do this to all pumps in the system. Once this is done, again check the system for any water leaks. The Microflush system should now be ready for operation.



Microflush Foot Pump

Trouble shooting

If you are unable to lift water to the pump, check the following:

1. Have you filled the cistern?
2. Check the position of the cistern. The maximum lift for the foot pump is 1m. The cistern should be mounted at floor height, so the pump remains primed.
3. Are all connections tight and not leaking air? If there is an air leak, the pump will not lift the water.
4. Check the hose lines to ensure there are no kinks in the lines.
5. Ensure that the hoses from the pump are connected correctly. The suction line from the cistern must be connected to the suction side of the pump.
6. If no water can be lifted on any of the pumps, check to see that the inlet point in the cistern is not fouled.
7. Check the 1" inch non return valve is clean and installed correctly.

In the event of further problems, please contact your system supplier for further advice.



Microflush Hand Pump *Installation Instructions*

- This is a generic instruction that refers to all unit sizes.
- There may be slight variations from model to model.
- Refer to drawing No. **HTS-MFA-000, HTS-MFA-003, HTS-MFA-004, HTS-MFA-005 & HTS-MFA-006**. These are the generic drawings that shows the location of the connection points, layout and route of the suction and delivery hoses.
- Layout the components on the floor and familiarize yourself with all the components that are shown on the drawing.
- The suction inlet hose will already be installed through the floor as per the pedestal installation instructions.

General Instructions

Proceed as follows:

1. Locate the pump housing. Determine the best position to install this pump housing. They are normally installed on the back wall of the cubicle on the right hand side when you are facing the pedestal. For Disabled pedestals, the hand pump is to be installed directly behind the pedestal as per **HTS-MFA-006**.
2. Note the markings on the tubes showing the suction and delivery lines. Drill a hole in the floor of sufficient size to pass both lines freely without kinking on through the floor.
3. Feed the hoses through the floor and position the pump housing and fix to the wall with the fixings provided.
4. Once you have completed this, determine the best position to mount the cistern. The cistern must be mounted with the bottom of the cistern at floor height so that it provides a flooded suction to the pump. The cistern must be mounted in the upright position and fixed secure to the mounting point. ***Note: If installed with an auto inoculator system, both cisterns must be mounted at the same level.***
5. If you have a multiple pedestal installation, you will note that there are multiple connection points available in the bottom of the cistern.
6. Using the hose supplied, complete the connections to all the pedestals. Where required, support the hose fixing with the clips provided.
7. All points should now be connected and the installation ready to be primed. Check to ensure that connections are tight. Any air leaks will result in the system or part of it losing its prime.
8. Begin to prime the system by operating the pump handle until water is seen flushing without air locks into the pedestal. Do this to all pumps in the system. Once this is done, again check the system for any water leaks. The Microflush system should now be ready for operation.



Microflush Hand Pump

Trouble shooting

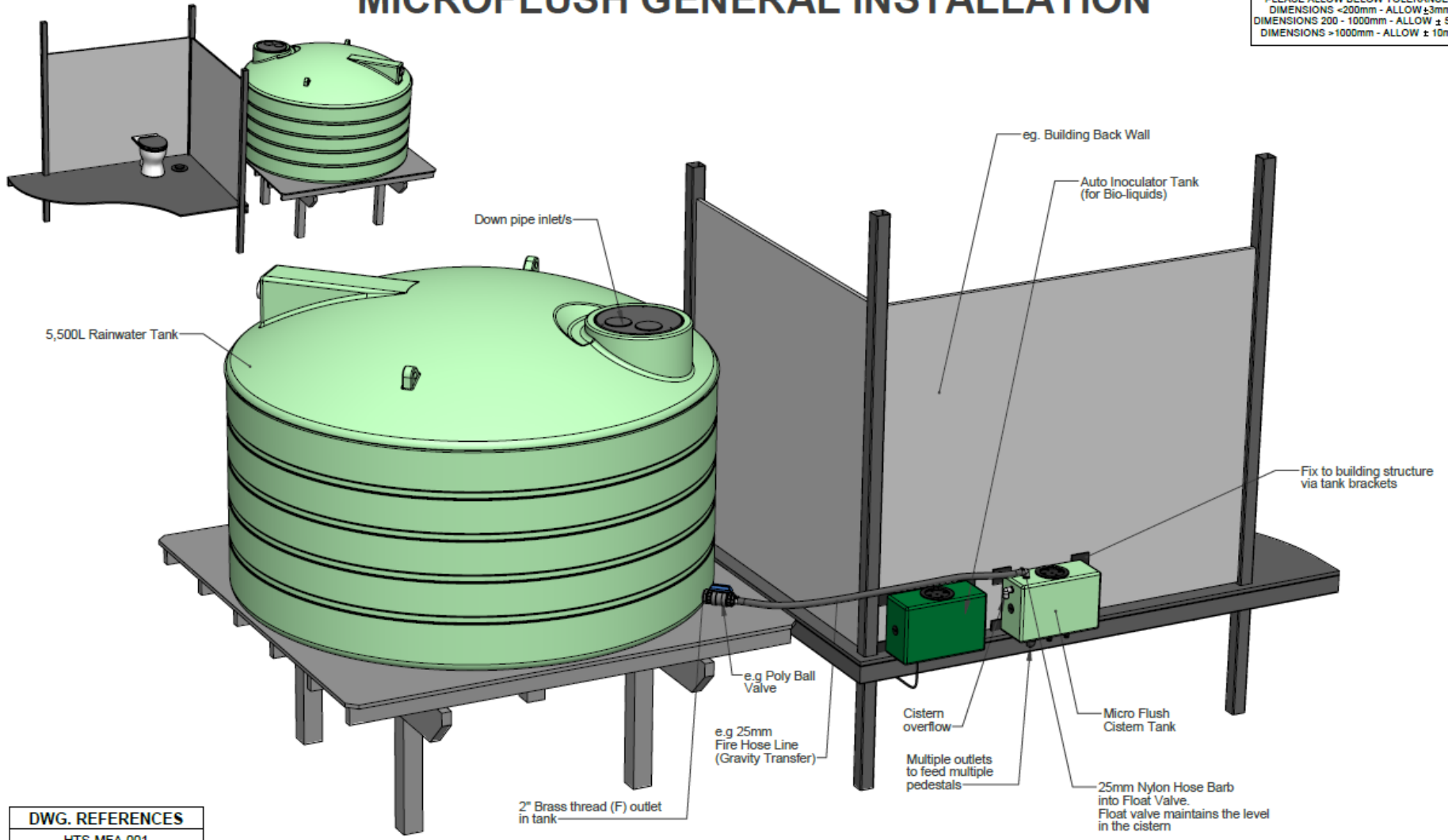
If you are unable to lift water to the pump, check the following:

1. Have you filled the cistern?
2. Are all connections tight and not leaking air? If there is an air leak, the pump will not lift the water.
3. Check the position of the cistern. The maximum lift for the hand pump is 1.5m. The cistern should be mounted at floor height, so the pump remains primed.
4. Check the hose lines to ensure there are no kinks in the lines.
5. If this is correct, ensure that the hoses from the pump are connected correctly. The suction line from the pump must be connected to the cistern. The suction line from the cistern must be connected to the front outlet of the pump when you look up from the bottom of the pump housing.
6. If no water can be lifted on any of the pumps, check to see that the inlet point in the cistern is not fouled.
7. Check the 1" inch non return valve is clean and installed correctly.

In the event of further problems, please contact your system supplier for further advice.

MICROFLUSH GENERAL INSTALLATION

TOLERANCES
 UNLESS NOTED OTHERWISE
 PLEASE ALLOW BELOW TOLERANCES
 DIMENSIONS <200mm - ALLOW ±3mm
 DIMENSIONS 200 - 1000mm - ALLOW ± 5mm
 DIMENSIONS >1000mm - ALLOW ± 10mm



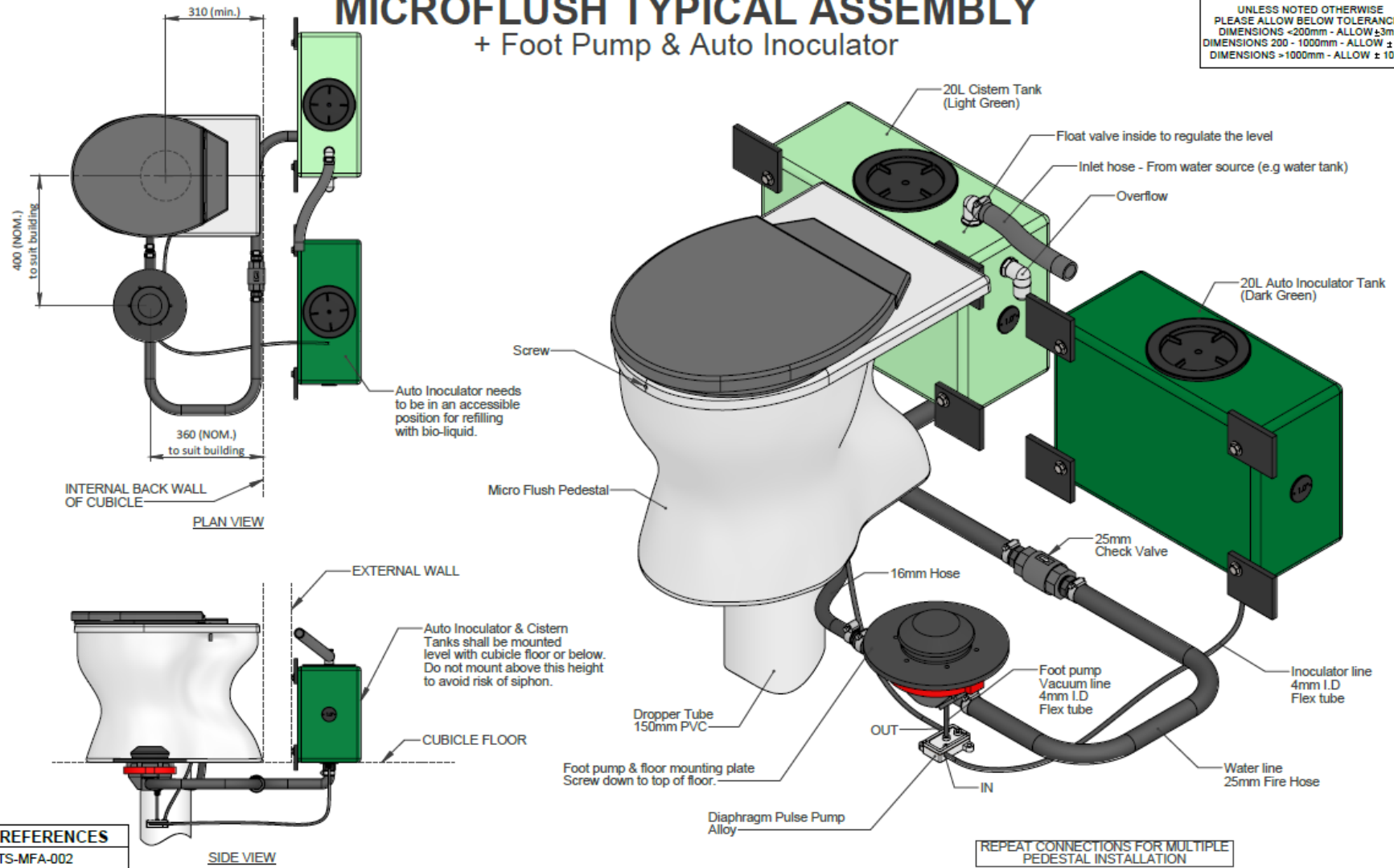
DWG. REFERENCES	
HTS-MFA-001	
HTS-MFA-002	

[INDICATIVE ONLY - INSTALLATION TO SUIT SITE CONDITIONS]

0	09.12.20	FOR INFORMATION	DH	MD							
 <p>A.C.N. 010 038 947 Gough Industries Pty. Ltd. 833 Ingham Road Bohle, Townsville P.O. Box 7570, Garbutt BC, Qld. 4814. Telephone 07 47747606 www.gough.com.au</p>					CLIENT LOGO		MICROFLUSH GENERAL INSTALLATION				
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MICROFLUSH TYPICAL ASSEMBLY + Foot Pump & Auto Inoculator

TOLERANCES
UNLESS NOTED OTHERWISE
PLEASE ALLOW BELOW TOLERANCES
DIMENSIONS <200mm - ALLOW ±3mm
DIMENSIONS 200 - 1000mm - ALLOW ± 5mm
DIMENSIONS >1000mm - ALLOW ± 10mm



DWG. REFERENCES	
HTS-MFA-002	
HTS-CIS-001	
HTS-INO-001	

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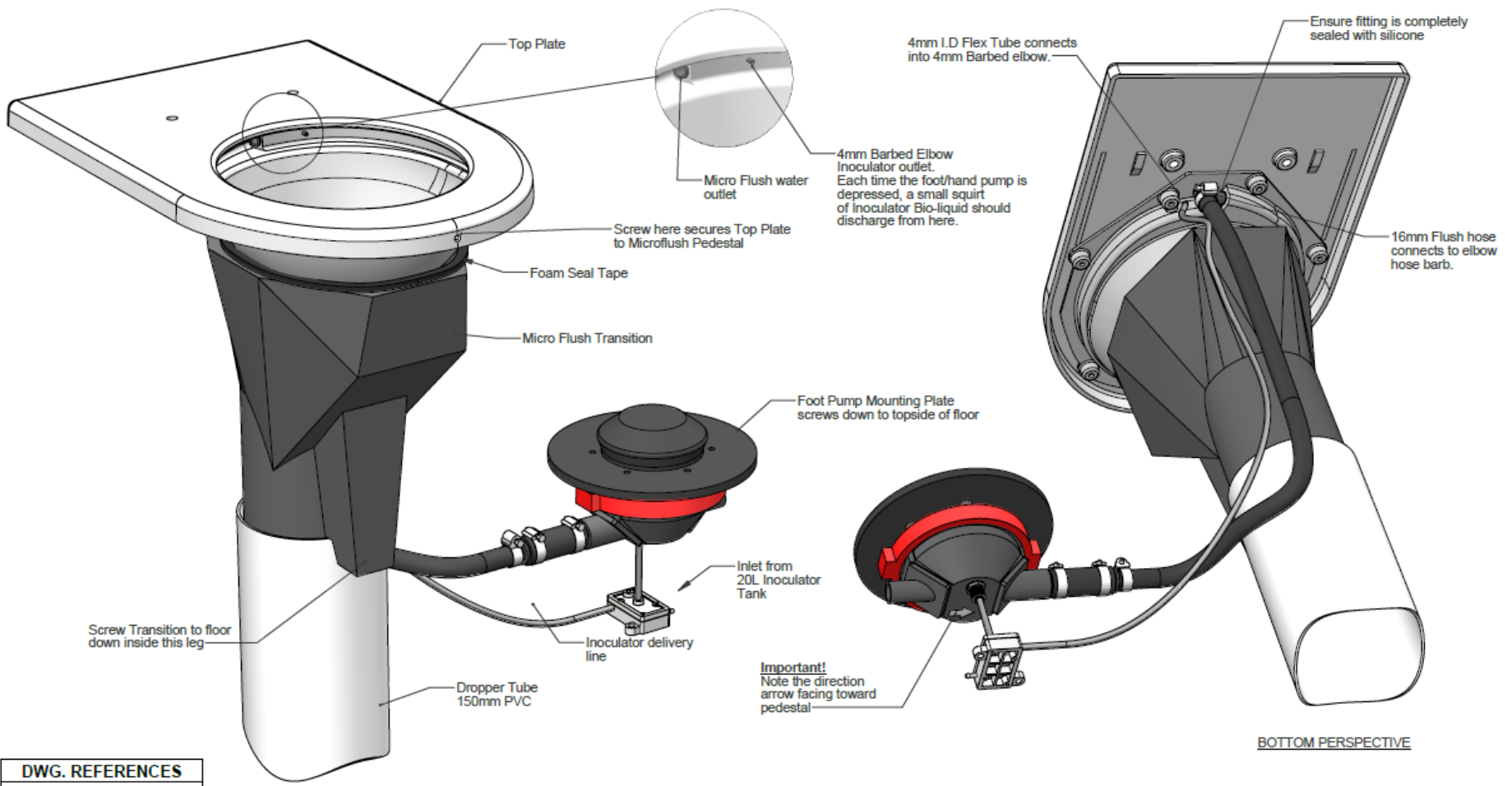
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CUSTOMER LOGO:	MICROFLUSH TYPICAL ASSEMBLY - FOOT PUMP & AUTO INOCULATOR		
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Dimensions are in millimetres (mm) unless noted.

MICROFLUSH TYPICAL SUB-ASSEMBLY + Foot Pump

TOLERANCES
UNLESS NOTED OTHERWISE
PLEASE ALLOW BELOW TOLERANCES
DIMENSIONS <200mm - ALLOW ±3mm
DIMENSIONS 200 - 1000mm - ALLOW ± 5mm
DIMENSIONS >1000mm - ALLOW ± 10mm



DWG. REFERENCES	
HTS-MFA-001	
HTS-MFA-003	

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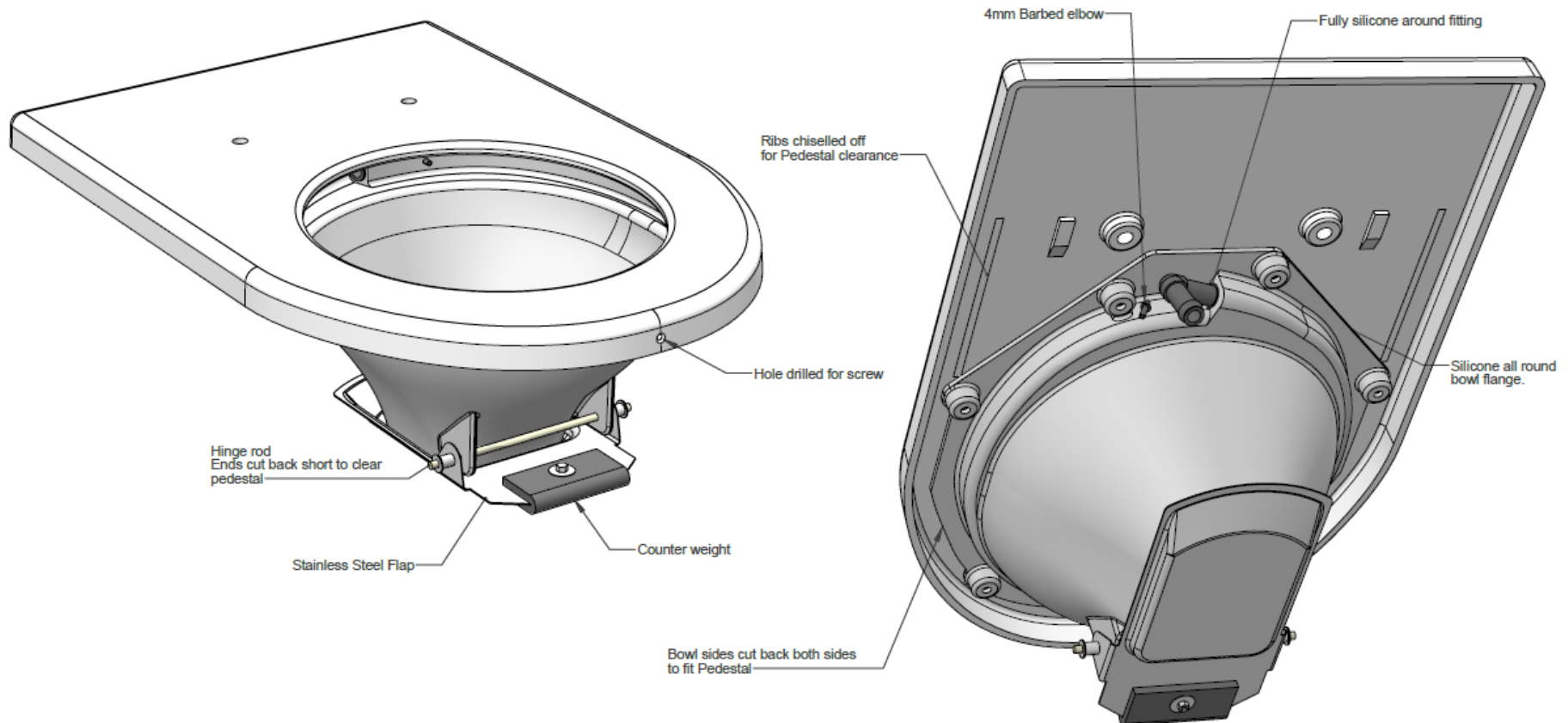
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CUSTOMER LOGO:	MICROFLUSH TYPICAL SUB-ASSEMBLY - FOOT PUMP		
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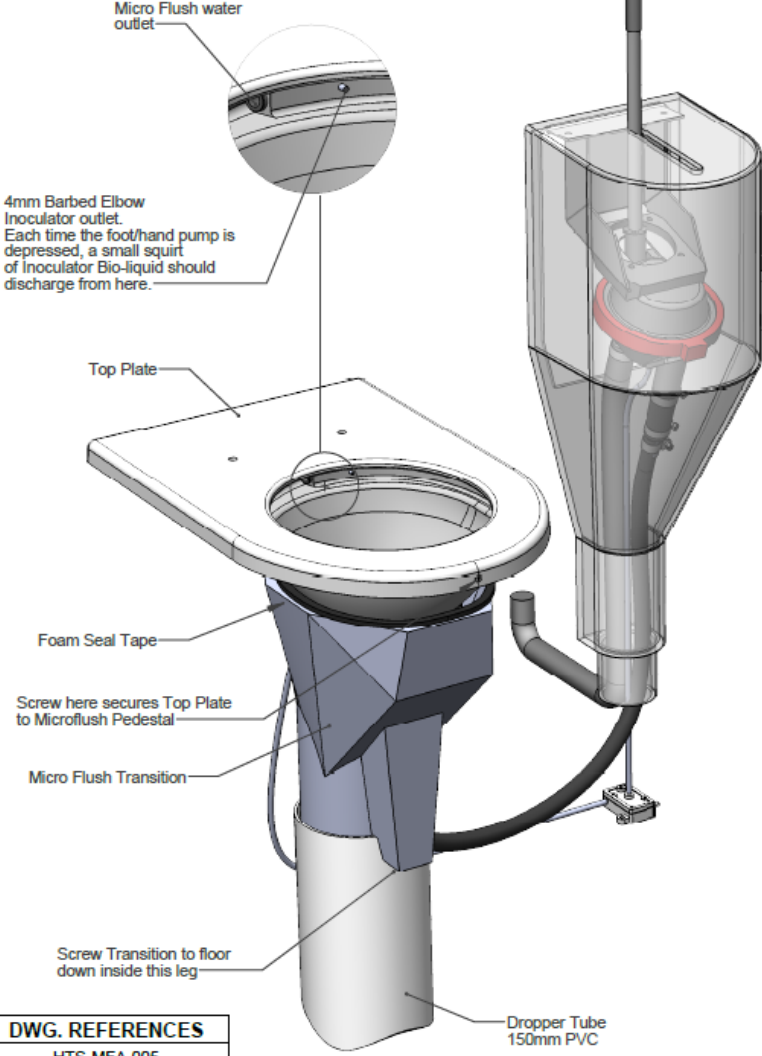
MICROFLUSH BOWL & FLAP DETAIL

TOLERANCES
 UNLESS NOTED OTHERWISE
 PLEASE ALLOW BELOW TOLERANCES
 DIMENSIONS <200mm - ALLOW ± 3 mm
 DIMENSIONS 200 - 1000mm - ALLOW ± 5 mm
 DIMENSIONS >1000mm - ALLOW ± 10 mm

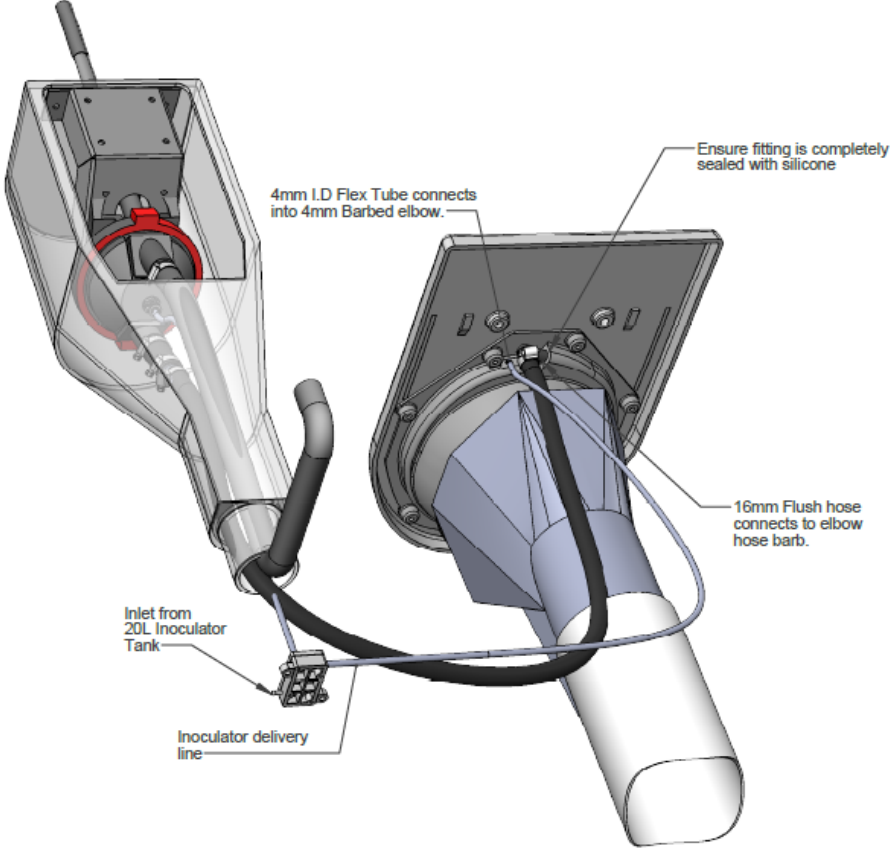


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MICROFLUSH TYPICAL SUB-ASSEMBLY + Hand Pump



TOP PERSPECTIVE



BOTTOM PERSPECTIVE

DWG. REFERENCES	
HTS-MFA-005	
HTS-MFA-003	

TOLERANCES	
UNLESS NOTED OTHERWISE PLEASE ALLOW BELOW TOLERANCES	
DIMENSIONS <200mm - ALLOW ±3mm	
DIMENSIONS 200 - 1000mm - ALLOW ± 5mm	
DIMENSIONS >1000mm - ALLOW ± 10mm	

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GOUGH PLASTICS

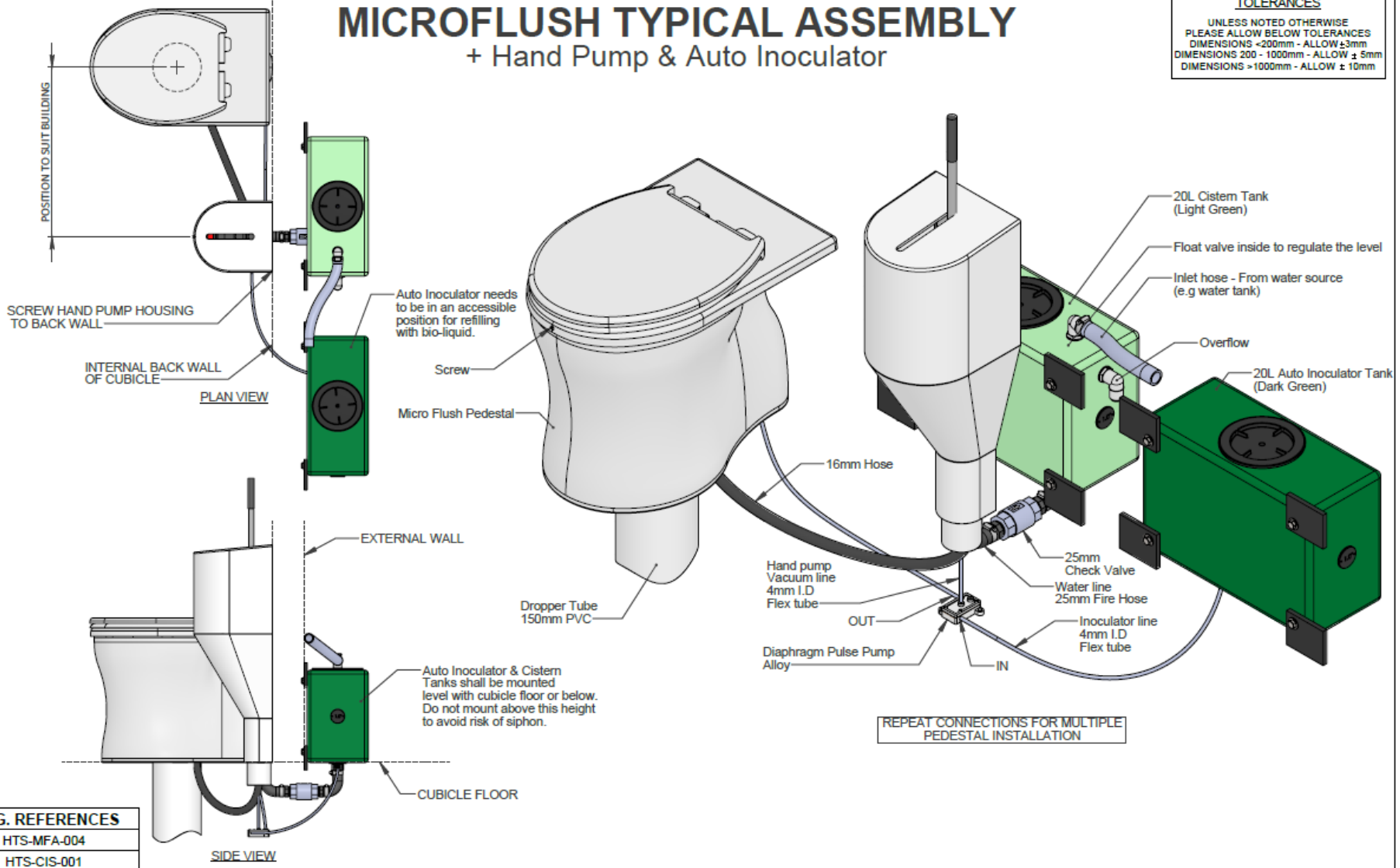
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CLIENT LOGO		MICROFLUSH TYPICAL SUB-ASSEMBLY - HAND PUMP		REVISION
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Dimensions are in millimetres (mm) unless noted.

MICROFLUSH TYPICAL ASSEMBLY + Hand Pump & Auto Inoculator

TOLERANCES
UNLESS NOTED OTHERWISE
PLEASE ALLOW BELOW TOLERANCES
DIMENSIONS <200mm - ALLOW ±3mm
DIMENSIONS 200 - 1000mm - ALLOW ± 5mm
DIMENSIONS >1000mm - ALLOW ± 10mm



DWG. REFERENCES	
HTS-MFA-004	
HTS-CIS-001	
HTS-INO-001	

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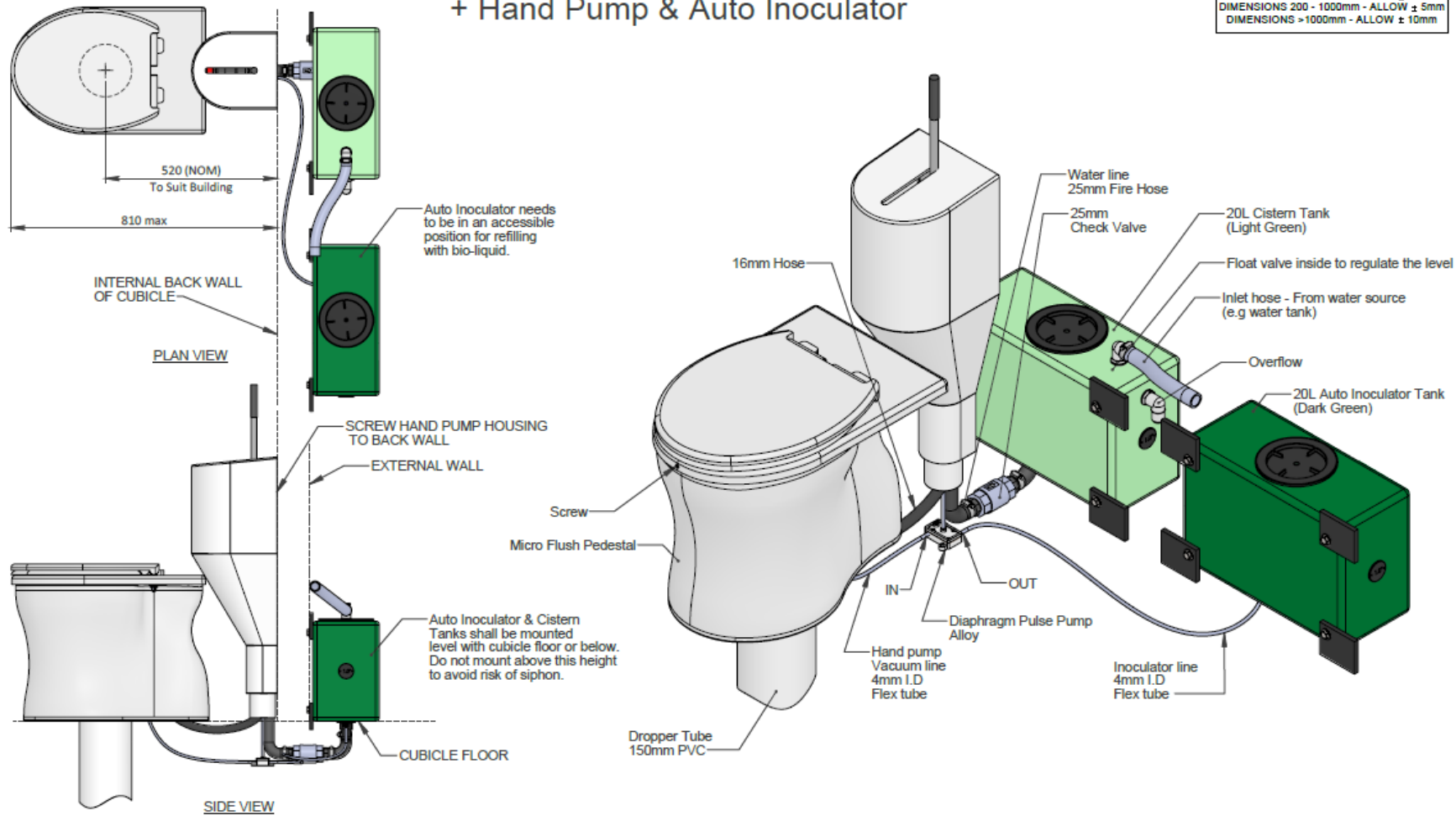
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Dimensions are in millimetres (mm) unless noted.

MICROFLUSH DISABLED ASSEMBLY + Hand Pump & Auto Inoculator

TOLERANCES
UNLESS NOTED OTHERWISE
PLEASE ALLOW BELOW TOLERANCES
DIMENSIONS <200mm - ALLOW ±3mm
DIMENSIONS 200 - 1000mm - ALLOW ± 5mm
DIMENSIONS >1000mm - ALLOW ± 10mm



REPEAT CONNECTIONS FOR MULTIPLE PEDESTAL INSTALLATION

DWG. REFERENCES	
HTS-MFA-004	
HTS-CIS-001	
HTS-INO-001	

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CUSTOMER LOGO	MICROFLUSH TYPICAL ASSEMBLY - HAND PUMP & AUTO INOCULATOR		
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Dimensions are in millimetres (mm) unless noted.