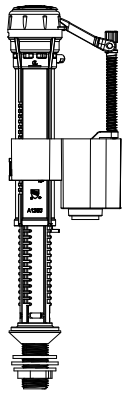
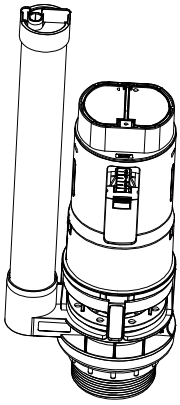
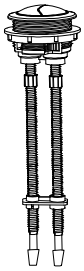
Installation Instruction for Dual Flush Cistern Fittings SP697

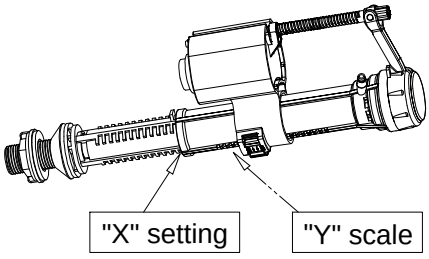
Parts Supplied:

Inlet Valve	Flush Valve	Button	Bolt	Flush Cone
				
1x	1x	1x	2x	1x

- Please read these instructions carefully to avoid damage to the valves, and to ensure correct installation.
- Do not use bleach or bleach based cleaning products in the cistern, as these will cause damage to the seals. We cannot be held responsible or liable for any failure which results from the use of bleach based products.
- Water temperature range +2C to +45C.
- Water pressure 0.2 to 8 bar.

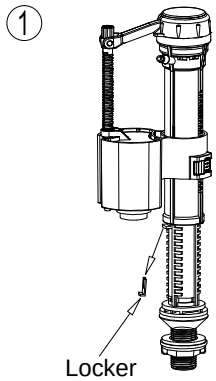
Inlet Valve Installation And Problem Solving

1: Inlet Valve scale and adjustment settings

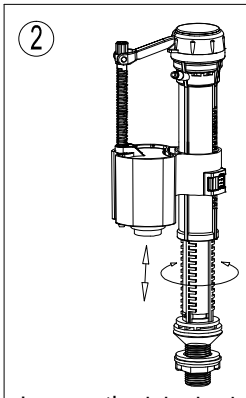


Note:
The Inlet Valve should be adjusted for the particular cistern into which it is being installed.
Please refer to the **Adjustment Instruction** on **page 5** for the X. Y settings.
The diagrams below show the detailed adjustment method.

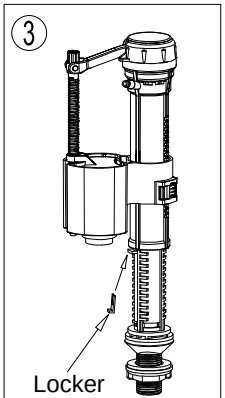
A: Major water level adjustment



Take off locker

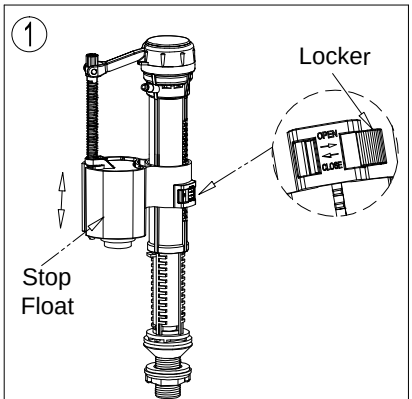


Loosen the inlet body by turning slightly anti-clockwise, Adjust it up or down to correct position and tighten clockwise.

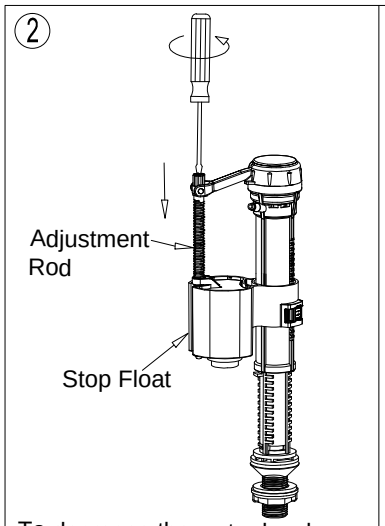


Re-insert the locker

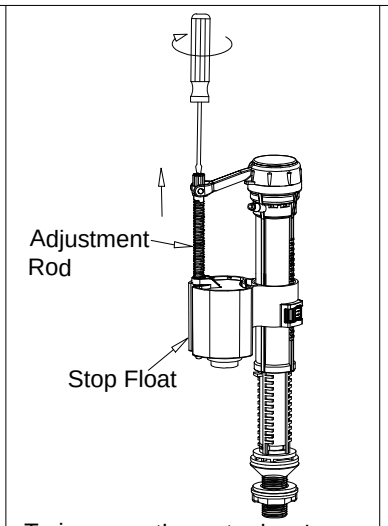
B: Minor water level adjustment



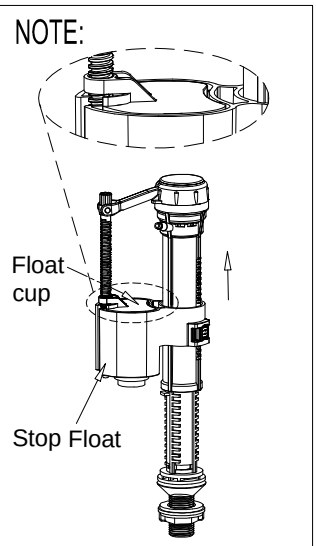
Slide the locker to "unlock" position, Move the stop float up/down.



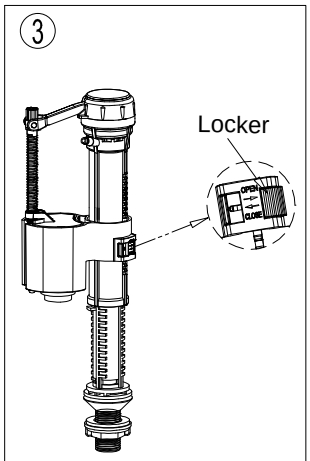
To decrease the water level use a screw driver to adjust the level of the Stop Float (as shown). The float should be lowered



To increase the water level use a screw driver to adjust the level of the Stop Float (as shown). The float should be raised.

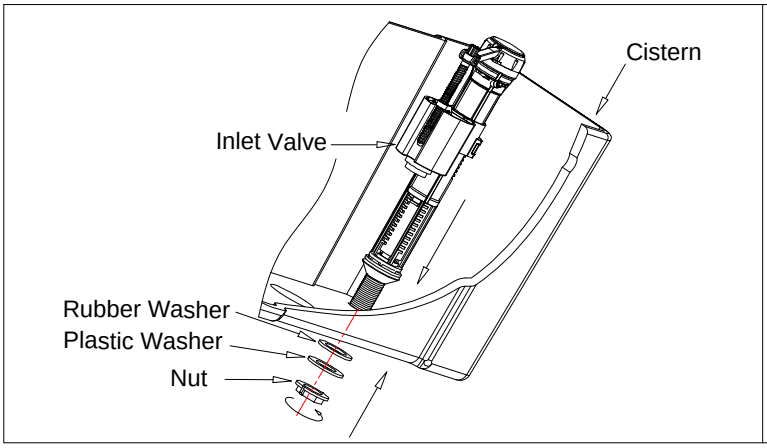


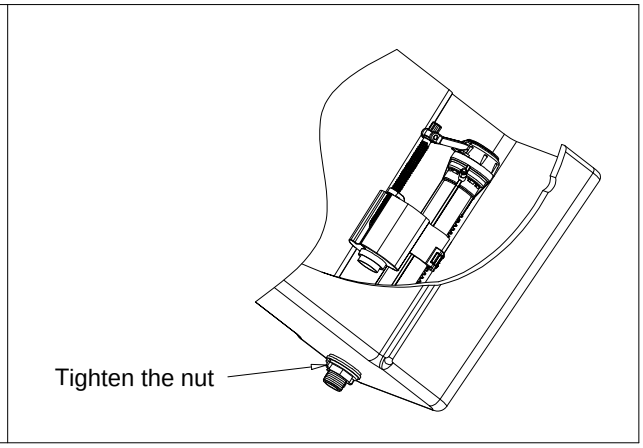
Ensure the top surface of Stop Float is in line with the top surface of the Float Cup.



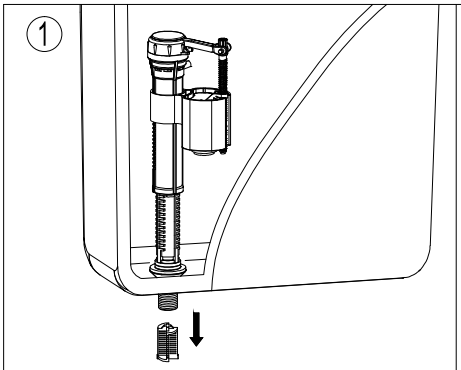
Slide the locker to the "locked" position

2: Inlet Valve installation

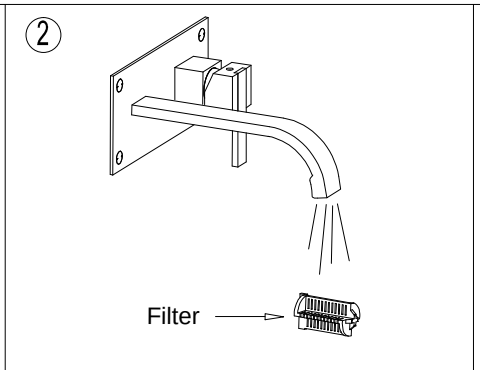




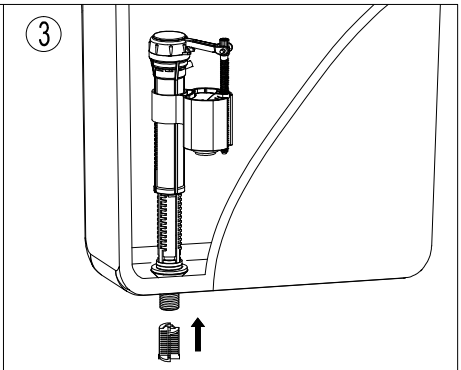
3: Filter cleaning (Please clean periodically)



Pull out the filter from the Inlet valve.



Clean by rinsing the filter.



Insert the filter back into the Inlet valve.

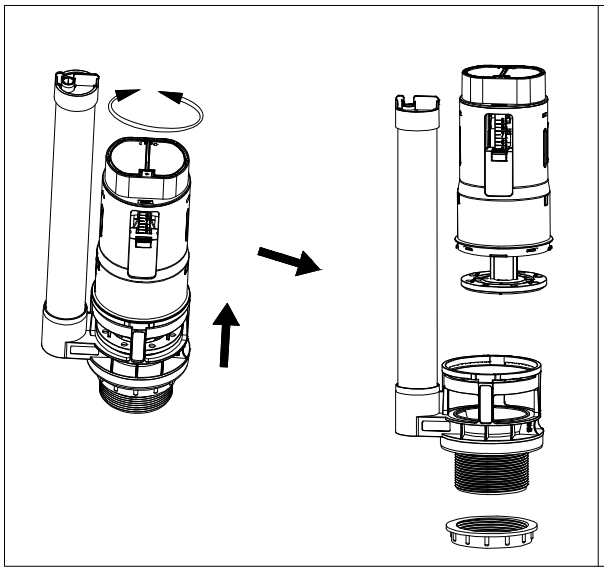
4: Inlet Valve trouble shooting

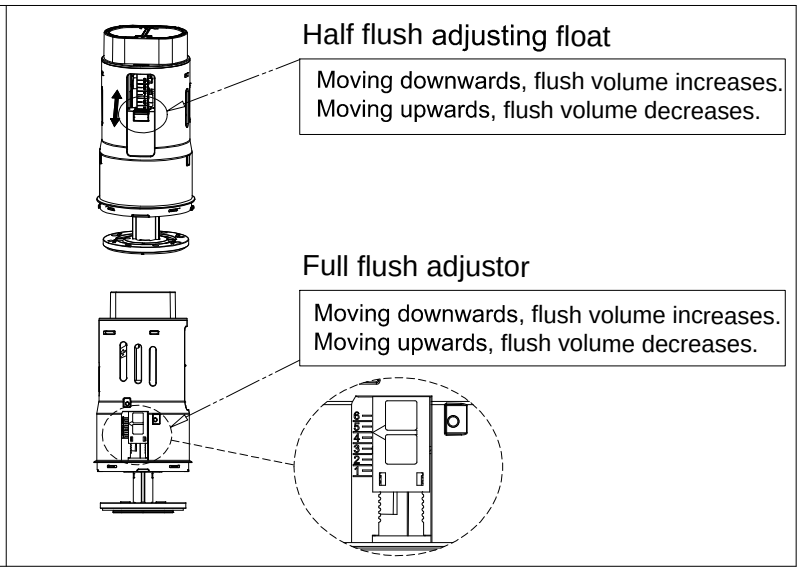
Problem	Reason	Solution
Incorrect water level	Incorrect adjustment.	Adjust the Water level correctly as per page **1 & 2**.
Inlet Valve does not work	Water supply is closed.	Open the water supply.
	The filter is blocked.	Clean the filter.
	The Stop Float has been over adjusted beyond its operational range.	Reconnect the Adjustment Rod, and adjust the water level as per **B** on page **1 & 2**.
Leakage	The Inlet Valve fixing nut has not been tightened.	Tighten the nut.

Flush Valve Installation And Problem Solving

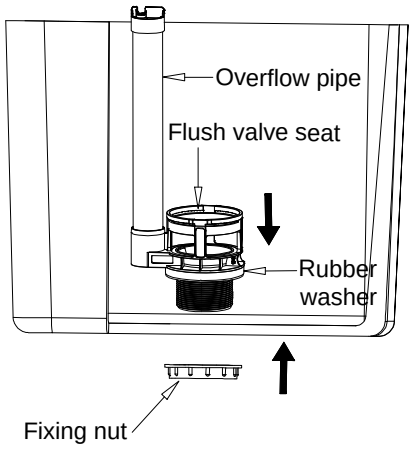
1: Flush Valve scale and adjustment setting

Note: The Flush Valve should be adjusted for the particular cistern into which it is being installed.
Please refer to the **Adjustment Instruction** on **page 6** for the full flush and half flush settings.
The diagrams below show the detailed adjustment method.

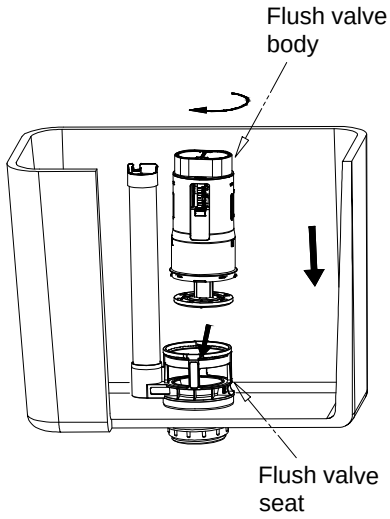


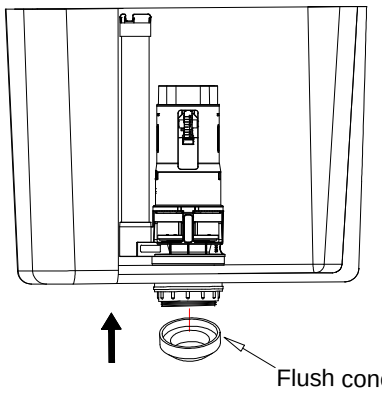


2: Flush Valve installation



Insert flush valve seat attached with rubber washer into cistern flush hole. Then install and tighten with the fixing nut.





Push the flush cone over the fixing nut, ensure that it is flat, and there will be no leakage between cistern and pan.

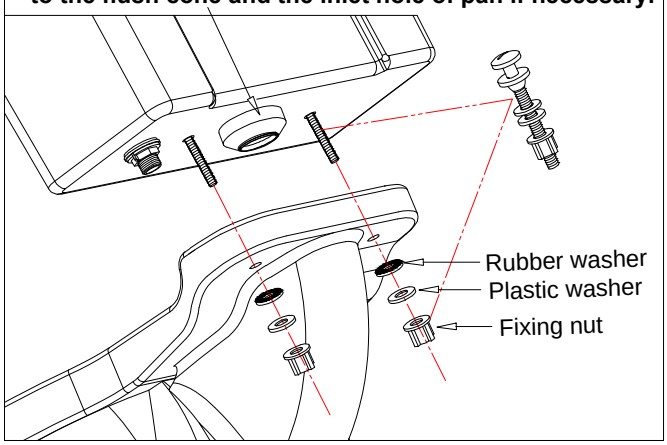
3: Flush Valve trouble shooting

Problem	Reason	Solution
Leakage	1.Incorrect installation. 2.The push rod is too long causing a gap between the washer and the seat. 3.Flush valve seat does not fit on the flush valve body. 4.Flush valve body is stuck.	1.Install again according to the correct installation procedure. 2.Adjust the push rod length. **(see page 4)** 3.Install again, ensuring both surfaces are clean for a water tight seal. 4.Take off and wash flush valve body.
No flush, low flush or half flush volume	Push rod is too short.	Adjust the push rod length. **(see page 4)**
Full flush or half flush water level is too high or too low.	Water level is adjusted incorrectly.	Adjust the full flush adjustor or the half flush float cup.

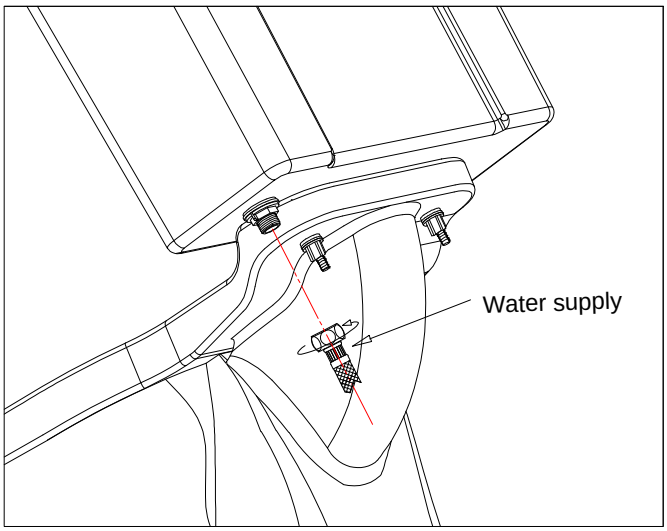
Cistern and Flush Button Installation

1: Install Close Coupled Cistern To Pan

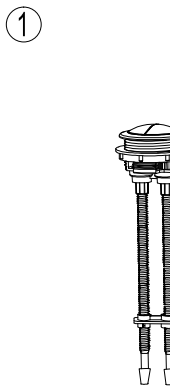
*** Please ensure the flush cone is in position before installation. A thin bead of silicone should be applied to the flush cone and the inlet hole of pan if necessary.**



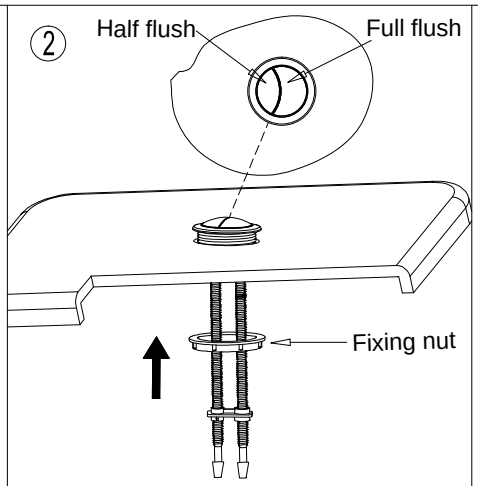
2: Connect the water supply to the cistern



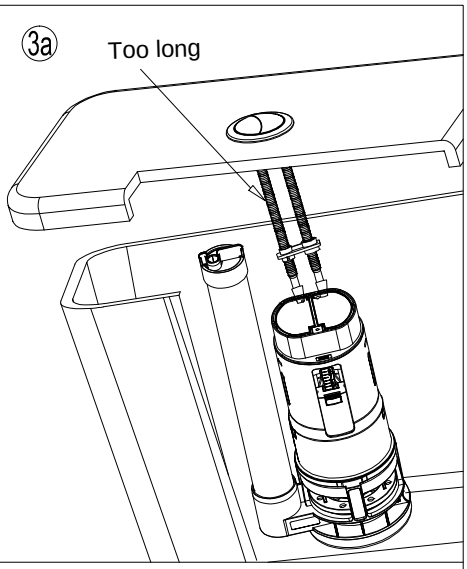
3: Install The Flush Button

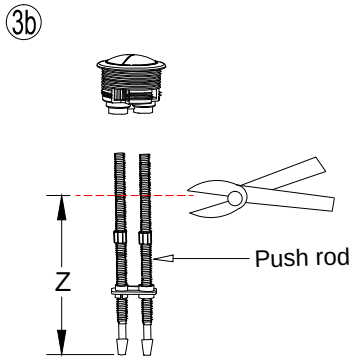


Take off the fixing nut.
Screw the lock nut to position.

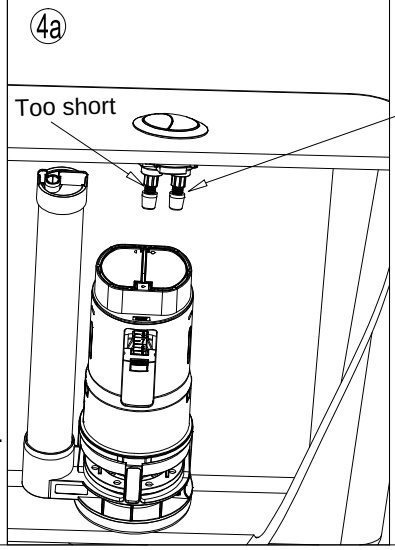


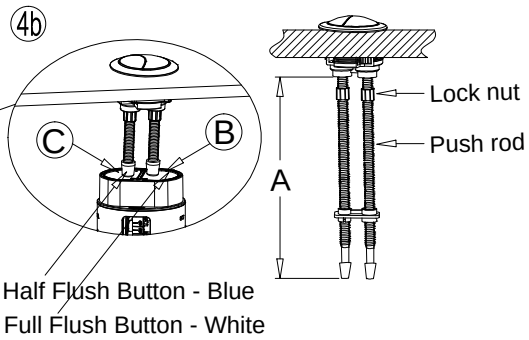
Install the dual flush button onto the cistern lid, and tighten the fixing nut.





Loosen the lock nuts, and unscrew the push rods to cut off the redundant section. Please refer to the recommended length "Z " of push rods for particular cistern on **page 7**.

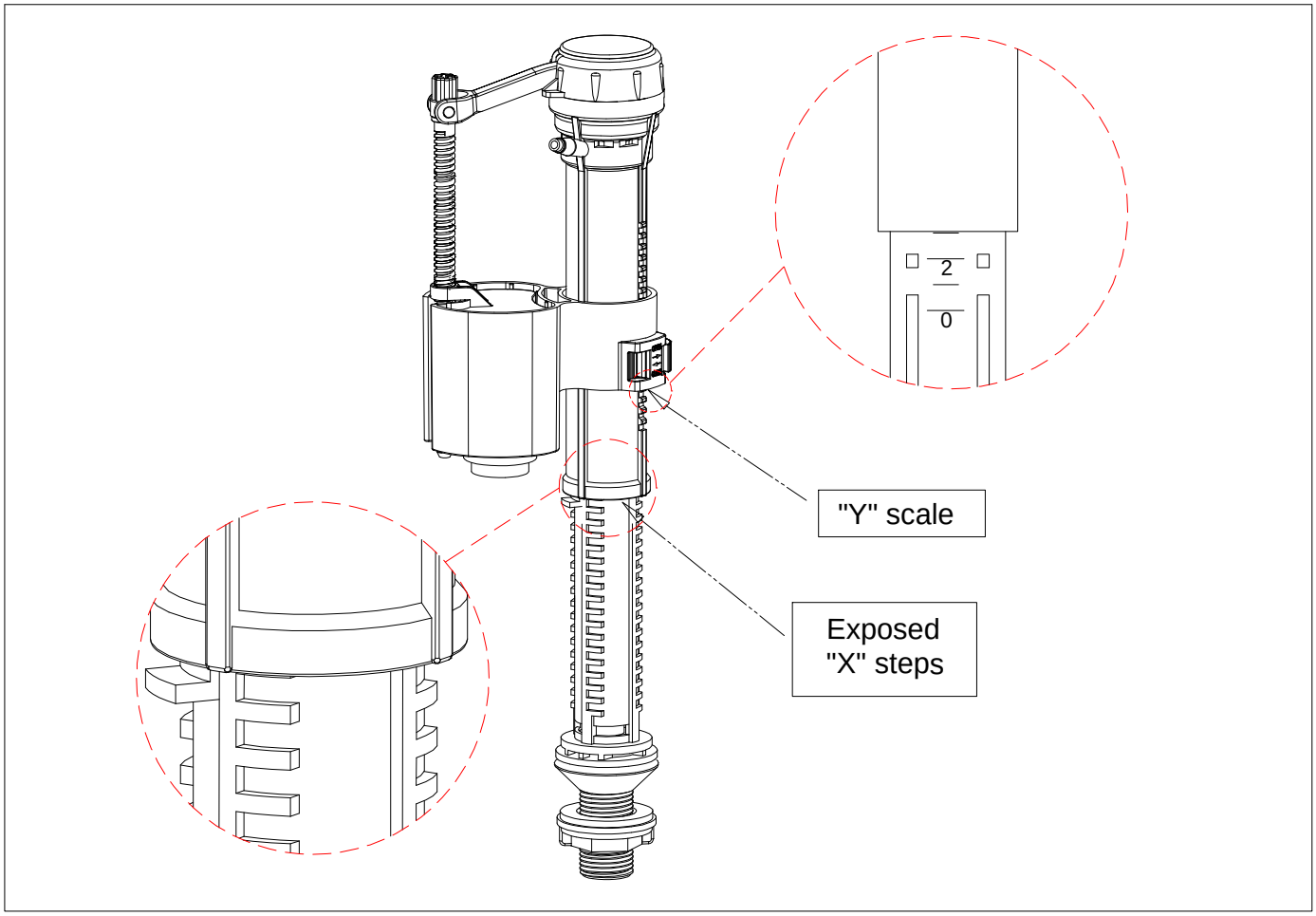




Adjust the length of **A** by turning the push rod, and remember to tighten the lock nut after finishing the adjustment of the push rod **(A).**
The final position should be that push rods just come into contact with the flush valve, but should not push down onto it unless the button is activated.

4: After installation check that the full flush and half flush are working correctly.
Please consult the trouble shooting pages if there are any problems.

Inlet Valve Adjustment Instructions



Note:

The above diagram is for reference only. In this example, X is set to 17 and Y is set to 3.

The inlet valve can be adjusted to suit the particular cistern, please refer to below tables for the settings.

For adjustment method, please refer to the installation instruction on **page 1 & 2**.

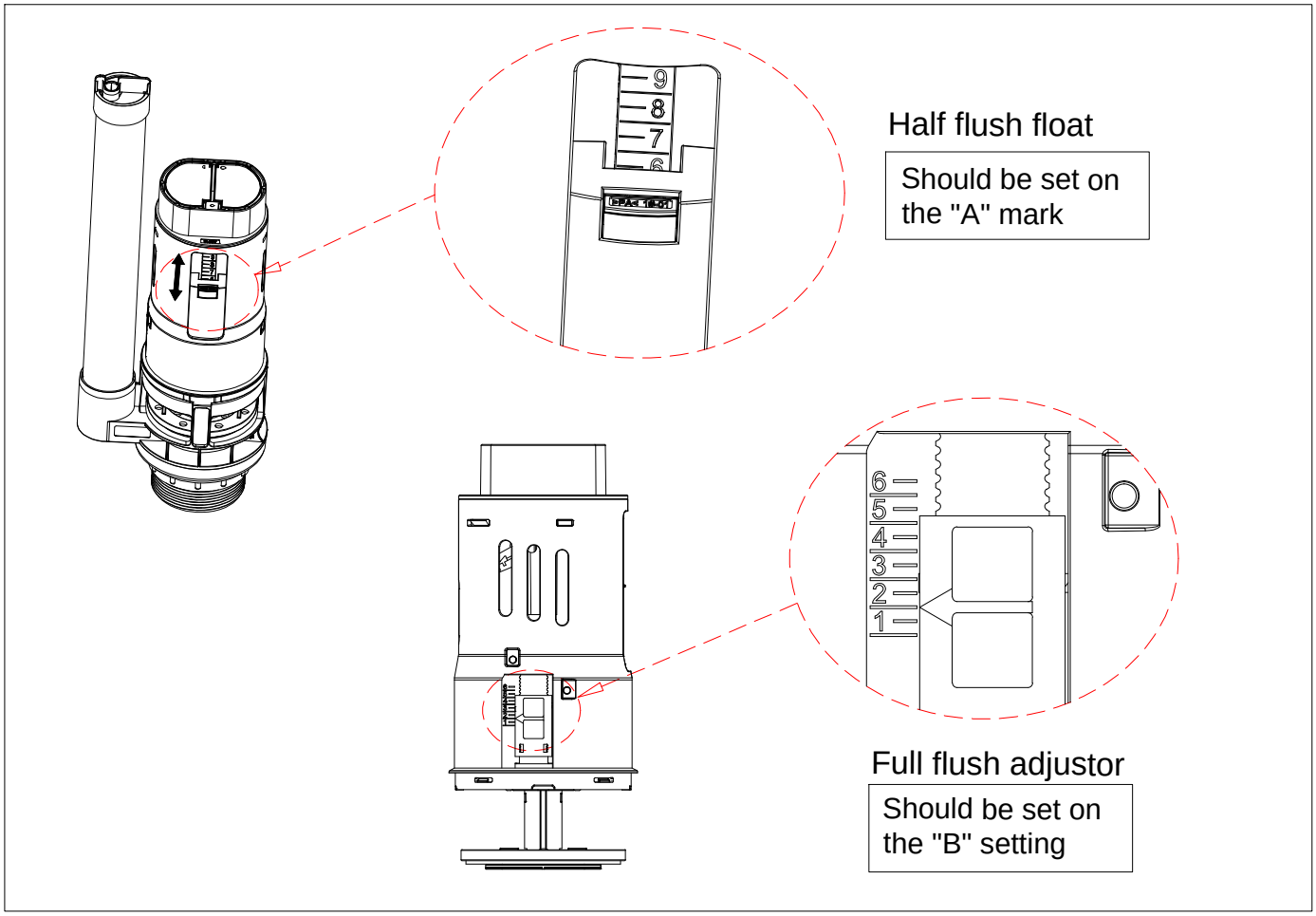
For 6L full flush and 3L half flush

Cistern code	X	Y
CC.1036	17	3
CM0007	20	3
15.B.27353	19	2
15.B.27349	17	2
SPH002	21	1
MAR.006	21	0

For 4.5L full flush and 2.6L half flush

Cistern code	X	Y
CC.1036	13	3
CM0007	17	3
15.B.27353	14	2
15.B.27349	16	2
SPH002	19	1
MAR.006	19	0

Flush Valve Adjustment Instructions



Note:

The above diagram is for reference only. In this example, A is set to 6.5 and B is set to 2.

The flush valve can be adjusted to suit the particular cistern, please refer to below tables for the settings.
For adjustment method, please refer to the installation instruction on **page 3**.

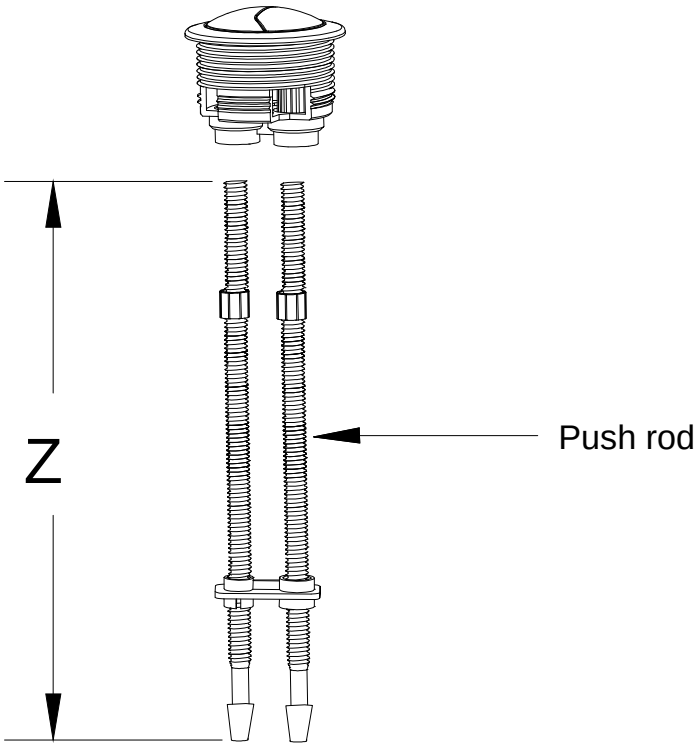
For 6L full flush and 3L half flush

Cistern code	A	B
CC.1036	6.5	2
CM0007	6.5	1.5
15.B.27353	7.5	1.5
15.B.27349	7	1.5
SPH002	7	1
MAR.006	7	1.5

For 4.5L full flush and 2.6L half flush

Cistern code	A	B
CC.1036	4.5	5
CM0007	6.5	5
15.B.27353	3.5	2
15.B.27349	3.5	4
SPH002	7	5
MAR.006	6	5

Recommended length of push rods



The push rods can be cut off to suit the particular cistern, please refer to below table for the Z value.

Cistern code	**Z (mm)**
CC.1036	197
CM0007	197
15.B.27353	159
15.B.27349	207
SPH002	181
MAR.006	200