

FLUIDMASTER 400UK BOTTOM ENTRY TOILET CISTERN VALVE INSTALLATION INSTRUCTIONS

WARNING: Fluidmaster shall not be responsible or liable for any failure of, or damage to, this plumbing product caused by its use in toilet tanks containing high concentrations of chlorine or chlorine related products. Do not overtighten plastic nuts.

IMPORTANT: DO NOT use plumber's putty to seal this fitting.

NEED HELP?

*In Australia: 8am – 5pm EST
FREE CALL: 1 800 808 179*

In New Zealand Phone: 09 415 5585

PLUMBER: Please leave these instructions with your customer.

CUSTOMER: Instructions should be saved for future reference concerning this valve's operation and maintenance.

CAUTION: Operating pressure 100-1000 KPA. Where water pressures exceed 1000 KPA, a pressure reducing valve shall be fitted.

Australia and New Zealand Representative:

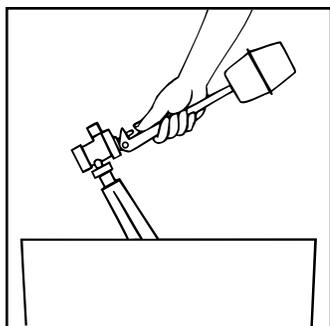
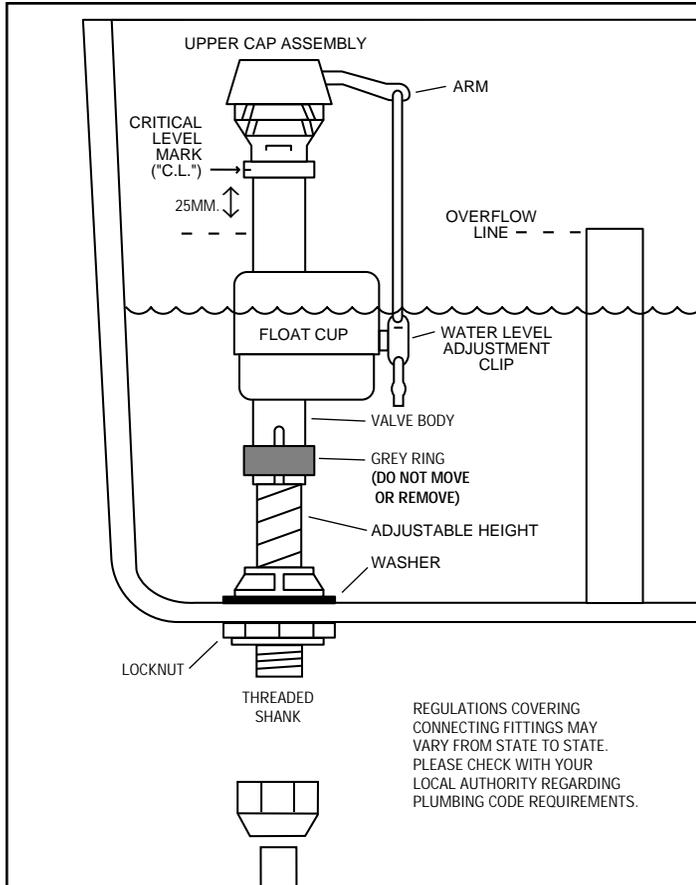
HARON INTERNATIONAL PTY. LTD.

P.O. Box 999, 2 Summer Lane

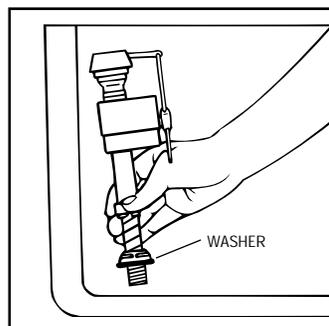
Ringwood, Victoria 3134

Australia

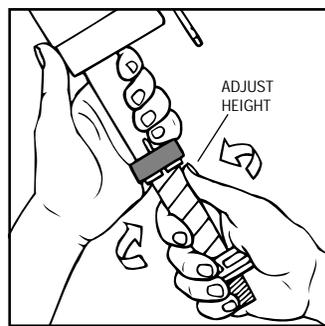
Tel: 03 9870 9966 FAX: 03 9870 9366



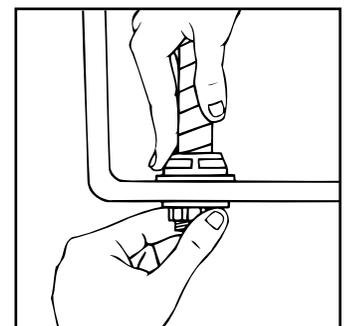
1. Turn off water supply to toilet cistern. Disconnect pipe work and remove old valve from toilet cistern.



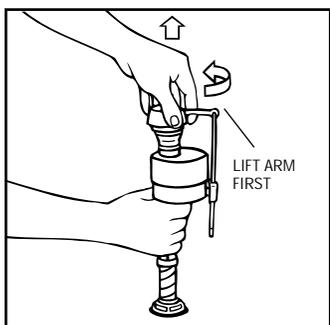
2. Place washer on threaded shank and position valve in cistern, passing threaded shank through hole in cistern. **Before installing, adjust valve height. See Step 3.**



3. To adjust valve height, remove it from cistern. **Twist threaded shank in or out of valve body without moving grey ring** (height adjusts from 225mm. to 350mm. – the clicking noise heard is normal). **NOTE: Adjust height so that the critical level mark (marked "C.L.") on the valve body is at least 25mm. ABOVE the overflow outlet in the cistern.**



4. Position valve inside cistern and push down on the valve shank. Thread the locknut 1/2 turn beyond hand tight. **DO NOT OVERTIGHTEN** or cistern may crack. Reconnect water supply to valve. Hand tighten nut, then gently tighten with a spanner 1/4 turn. Make sure float moves up and down freely. **IMPORTANT: See over for supply tube installation.**

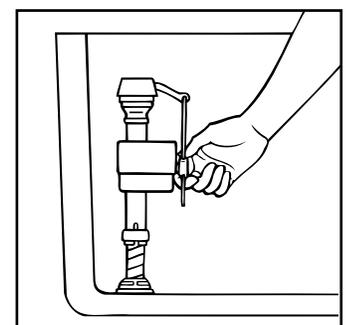
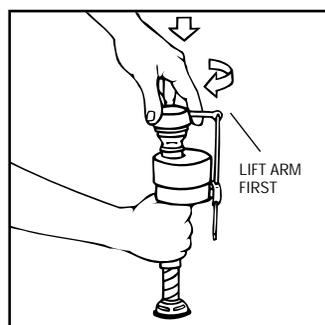
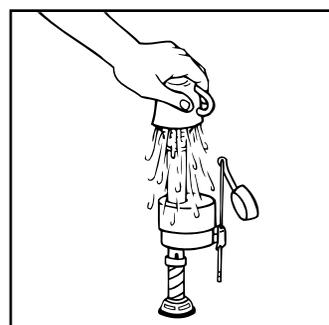


5. **IMPORTANT: SAND AND RUST MOVE THROUGH WATER PIPES. ALWAYS CLEAR DEBRIS FROM WATER LINE TO COMPLETE INSTALLATION.**

Turn off water at supply. Remove valve cap assembly by lifting arm and rotating cap 1/8 turn anti-clockwise, pressing down slightly on cap. While holding a container over the uncapped valve to prevent splashing, turn water supply on and off a few times. Replace cap assembly by engaging lugs and rotating 1/8 turn clockwise.

MAKE CERTAIN THE CAP IS TURNED TO THE LOCKED POSITION.

VALVE MAY NOT TURN ON IF THE CAP IS NOT FULLY TO THE LOCKED POSITION.



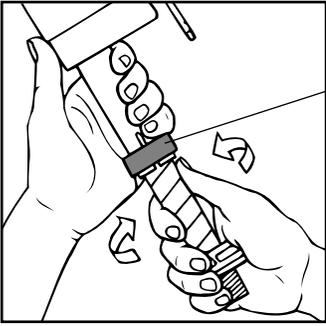
6. Turn on water supply. Adjust water to desired level by squeezing clip adjuster together and moving float cup up or down along stainless steel link.

Water level should be set approximately 25mm. below overflow outlet or to water line on cistern.

IMPORTANT INSTALLATION TIPS

(See reverse for complete installation instructions)

SETTING THE VALVE HEIGHT:

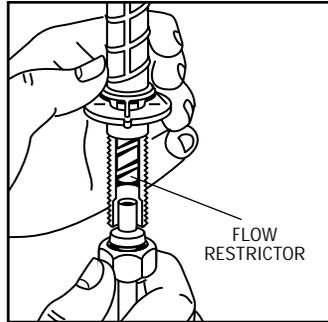
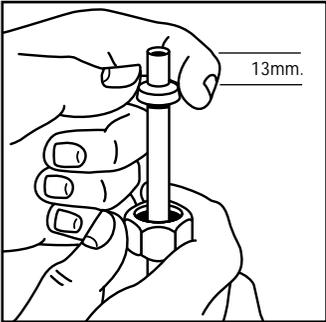


WHEN ADJUSTING HEIGHT, DO NOT MOVE OR REMOVE GREY RING.

The valve height should be adjusted so that the critical level mark "C.L." on the valve is located at least 25mm. ABOVE the overflow outlet. The 400UK valve can be adjusted from 225mm. to 350mm. to fit most cisterns by TWISTING THE SHANK in or out of the valve body.

When the valve height is being adjusted, an audible clicking noise can be heard. After the correct valve height has been set, should you hear the "clicking" noise as you continue to install the valve, it means you have accidentally adjusted the height and you should be sure the valve is set to the correct height.

SUPPLY TUBE INSTALLATION:



Care should be taken when installing the 400UK with a copper water supply line to **prevent the copper pipe from coming into contact with the restrictor and blocking the flow of water or causing a slow refill of the cistern.**

The copper pipe should be inserted no more than 13mm. (1/2") into the inlet of the shank. An easy way to assure this is to put the washer, crox or olive on the pipe 13mm. (1/2") from the end.

Insert the pipe into the shank and tighten down the nut without moving the pipe further into the shank.

TROUBLESHOOTING:

YOU HAVE GOOD MAINS PRESSURE but you can't get water into the cistern, or refill is slow:

- Check supply tube installation (See above).
- Check that the cap assembly is in the locked position.

VALVE WON'T SHUT OFF – Repeat Step 5 of instructions.

VALVE TURNS ON AND OFF during periods of non use – *WATER WASTE SIGNAL:*

- Check your outlet valve – The outlet valve is worn or the outlet washer is worn.

IN AREAS WITH UNUSUALLY HIGH WATER PRESSURE above 1000 KPA, a pressure reduction valve should be fitted. If less than 1000 KPA, the flow rate can be reduced by adjusting the stop cock. The inlet valve's quick filling action means the stop cock may not have to be fully open when filling the cistern.

LOW PRESSURE APPLICATION:

Header or storage tank water supply (pressure below 100 KPA):

1. Remove flow restrictor from inside threaded inlet shank (see diagram above). In most cases this will allow enough water to operate valve normally. If not, see #2 below (next step).
2. Replace seal with optional low pressure seal. ASK YOUR DEALER FOR PART No. B212S (see below for seal replacement instructions).

Service Parts Available Ask Your Dealer



No. 350
Replacement Cap Assembly
includes Standard Seal

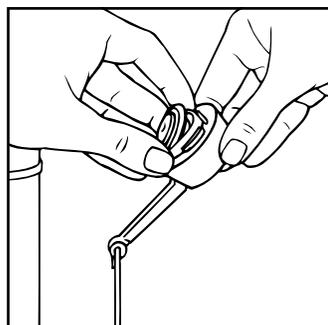
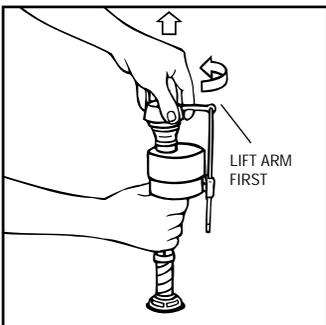


No. 242
Standard
Replacement Seal



No. B212S
Low Pressure
Replacement Seal

MAINTENANCE & SEAL REPLACEMENT



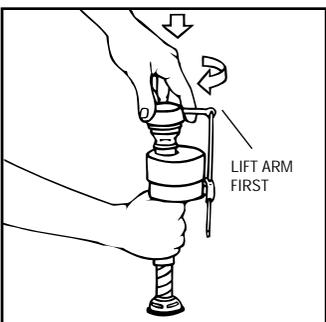
IF VALVE WON'T TURN ON OR SHUT OFF, OR REFILL OF CISTERN BECOMES SLOW after valve has been in use for some time:

- A replacement seal may be needed. Ask your dealer for 242UK061 Replacement Seal or B212S if you have low water pressure (below 100 KPA).
- Check for debris under the seal and flush valve as in installation instructions (Step 5).

WATER WASTE SIGNAL:

IF VALVE TURNS ON AND OFF DURING PERIODS OF NON USE:

- Your outlet valve may be worn or NEED a replacement washer.



TO REPLACE SEAL:

1. Turn off water supply.
2. Lift arm and turn cap assembly 1/8 turn anti-clockwise, pressing down slightly on cap.
3. Remove seal and replace with new seal.
4. Check for debris as in installation instructions Step 5 (see over).
5. Replace cap assembly by engaging lugs and turning 1/8 turn clockwise. MAKE CERTAIN CAP ASSEMBLY IS IN LOCKED POSITION OR VALVE MAY FAIL TO TURN ON.
6. Turn on water supply.

GUARANTEE: This Fluidmaster product is guaranteed to be free from defective materials and workmanship for a period of one year. Units returned to Fluidmaster, USA, or Haron International, Australia, will be replaced without charge.

Always use quality Fluidmaster repair parts when maintaining your Fluidmaster products. Fluidmaster shall not be responsible or liable for any damages caused by products used in Fluidmaster valves that were not manufactured by Fluidmaster, Inc.

MADE IN U.S.A. PATENT NUMBERS
U.S.-244693, 245172, 342896, 342933, 3495803, 3669138, 4080986, 4100928, 4327941, 4416302; AUSTRALIA-421225, 423785, 427099, 433341, 489821, 587088; BELGIUM-699955, 769268; BRAZIL-991353; CANADA-834406, 834517, 842557, 842558, 842559, 842560, 849302, 857002, 925398, 1046892, 1065731, 1065732, 1065733, 1065734, 1130509; COLOMBIA-19919; GERMANY-2132631; GREAT BRITAIN-1298646, 1528291; HONG KONG-857; ITALY-807405, 935451; JAPAN-810259, 1039296, 1108738, 543961, 578536; MEXICO-129183, 1444000, 145652; NETHERLANDS-141630, 144013, 162449; SINGAPORE-270-1973; SOUTH AFRICA-72-8273, 72-8734; SPAIN-342777, 393324; SWEDEN-346348, 372584; SWITZERLAND-545389, 612471; TAIWAN-6937, 7168, 10051, 10077, UM-41880. Other U.S. and Foreign patents pending.