



## INSTALLATION INSTRUCTIONS – LOLINE CISTERN

### **DURABILITY:**

Dux cisterns comply with the NZBC durability requirements of 5 years, if installed and maintained in accordance with these instructions. The installer is responsible for the workmanship of the installation. The product is intended for the flushing of W.C. pans in commercial and residential applications. The approval of the distributor must be obtained for all other applications.

### **MAINTENANCE:**

Should the water be continuously overflowing from the cistern, check the ballcock seating washer and the underwater valve seating washer. Replace if worn or damaged. For cleaning use a damp soapy cloth. **DO NOT** use abrasive cleaners.

### **GENERAL:**

This cistern as supplied is designed for a 6 litre full flush and 3 litre half flush when used with a 6-litre pan that complies with AS1172.1:1993. To achieve a satisfactory flush it is important to fit the 50mm flushpipe as supplied

### **INCREASING/DECREASING FLUSH VOLUME:**

If older style pans are to be used it may be necessary to increase or decrease the flushing volume, the volume can be increased or decreased by easily adjusting the outlet valve adjustments shown in the picture to the right. The table below shows the approximate flushing volumes per valve setting.

#### **6 Litre Water Line**

Full Flush Setting	Volume (Litres)	Half Flush Setting	Volume (Litres)
3	6	11	3
2	6.3	8	3.4
1	7.3	6	3.7

#### **9 Litre Water Line**

Full Flush Setting	Volume (Litres)	Half Flush Setting	Volume (Litres)
1	9	10	4.5

### **INLET VALVES:**

This cistern maybe supplied with a side entry water inlet valve or bottom entry water inlet valve depending on which you have decided to purchase.

### **BOTTOM ENTRY VALVE:**

As supplied the bottom entry valve is fully assembled and factory set for a 6 litre full flush and 3 litre half flush. No assembly or adjustments are required.

If a 9 litre full flush and 4.5 litre half flush are required it is necessary to adjust the water level inside the cistern to the 9 litre water line. To do so simply follow the steps below and refer to the picture to the right.

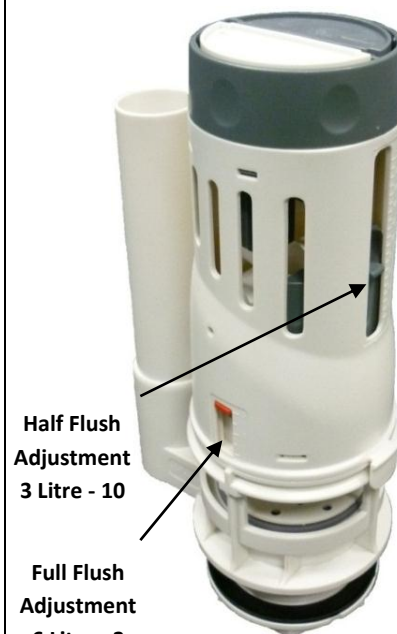
1. Slide the grey clip on the side of valve down and turn the top of the valve anti-clockwise
2. Lift the top of the valve 5 clicks until setting No 10
3. Turn the valve clockwise and slide the grey clip back up to fully lock the valve position
4. Fill cistern with water and check water level

### **SIDE ENTRY VALVE:**

The side entry valve must be installed into the cistern during installation and set to the required water level. To set the side entry valve simply adjust the screw on the top of the valve up or down until the desired water level is achieved. Refer to picture on the right.

If a 9 litre full flush and 4.5 litre half flush are required it is necessary to adjust the water level inside the cistern to the 9 litre water line

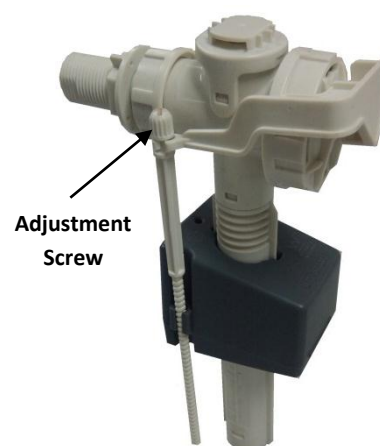
### **OUTLET VALVE**



### **BOTTOM ENTRY VALVE**



### **SIDE ENTRY VALVE**



## Setting Out and Installation

With reference to the layout drawing below proceed as follows:

Setting Out	
1	Mark a reference line on the wall on which the cistern is to be mounted in line with the centreline of the pan outlet.
2	Measure the height from the floor to the top of the pan in the area of the seat bolt holes. (Dimension "X")
3	Mark a level line on the wall at "X" +490mm where the cistern is to be fitted. (This line is the top most edge of the cistern)
4	Determine the location of the water inlet by measuring down from this line. Right and left hand options are shown.
5	Position the pan so that the centreline of the outlet is no less than 150mm but no more than 220mm from the wall.
6	Measure the horizontal dimension "Z" from the wall to the back of the inlet horn on the pan.

Installation	
7	Cut the short leg of the flushpipe to dimension "Z" less 20mm
8	Wet the pan connector and insert flushpipe. Insert pan connector into the pan horn and stretch the boot over the pan horn.
9	Fit the flushpipe nut and sealing washer onto the flushpipe.
10	Place the cistern onto the flushpipe and loosely fit the nut and washer.
11	Screw the cistern to the wall using the screws provided ensuring that the top edge of the cistern is level and in-line with the previously marked horizontal line.
12	Tighten the flushpipe nut.
13	Fit the water inlet valve and connect to the water supply.
14	Turn on the water supply and fill the cistern, adjust inlet valve if necessary.
15	Check flushing valve operation and adjust if necessary.
16	Fit cistern lid.

### TYPICAL LAYOUT FOR DUX LOLINE CISTERN

