



Process Equipment Wash Water Booster Module

Mega Part: 500-108

INTRODUCTION

This unit has been developed as a cost effective solution to providing adequate water supply to the Spray Wash Section of any of the Process equipment in the Mega Range.

It also provides a solution to Back Syphonage, if this is an issue.

Mains water is fed into the tank via a ball cock valve which is set to provide the 25mm air gap that is ultimately maintained by a weir no less than 300mm in length, as required in the Bylaws. A pump fitted in the unit powered from the mains supply via an air actuated power switch fitted in the 13 Amp mains power socket. This air actuated power switch is controlled by a foot operated pad. This pad should be placed at the front of the processing equipment. It is also necessary to change the Spray Wash Valve Switch on the control panel to a momentary push button switch as this needs to be pressed when operating the foot pad. It is important that is valve switch is changed to the momentary type as damage to the valve will result.

Equipment manufactured from February 2013 will have these momentary push button switches fitted to save water.

NOTE: For 'Rota-Spray' and 'Rota-Spray Plus' units, use the 'Rota-Spray' Wash Water Booster base unit Part number 500-030 which has been specifically designed for these two units.

Services

1. Water supply via 3/4" BSP isolation valve for washing machine type hose.
2. Provision for water overflow via 19mm connection.
3. Mains electrical supply via 13Amp socket
(The supply must have RCD protection)

Installation

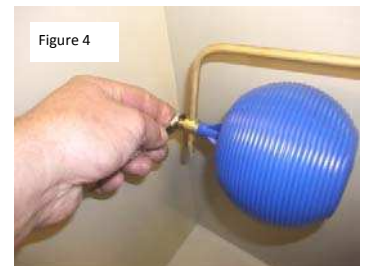
1. Select a location that is flat and level with all the necessary services. It is possible to wall mount this unit with a suitable fixing system, but the following must be taken into consideration
 - a) The unit must be level in order to function correctly.
 - b) It must be accessible to set-up and inspect periodically and service as required.
2. Connect washing machine hose to 'Water Inlet' on the base unit [fig.1](#) and the other end to the supply [fig. 2](#).
3. Open the supply valve and allow the unit to fill with water. The ball float valve has been set at the factory so that the level of the water does not exceed the 'Maximum Water Level' line [fig.3](#).

During transportation the unit may have been subjected to some upset and it may be necessary to make some adjustment to the ball float valve to bring the water to the correct level.

Use a suitable spanner to unlock the ball float [fig.4](#) and reposition it to the required position on the shaft, relock in place.

4. Connect overflow [fig.5](#) this is important in the case of a ball float valve failure. This should be tested on installation and periodically to make sure that the overflow system is capable functioning adequately in the event of such a failure. Test this by push the ball float downwards opening the valve and water to overflow the unit so that it flows out via the overflow, hold the float down for a while to assess the effectiveness of the overflow system, long pipe runs and blockages will cause problem and will need to be rectified.

Warning: Hold the ball float firmly when carrying out this test
DO NOT allow it to fly upwards sharply as damage to the valve will occur.



5. Replace the lid [fig. 6](#) and place the Rota-Spry unit on the base.



6. Connect the water feed (using the hose supplied) from the unit to the inlet on the process equipment [fig.7A & 7B](#).



7. The power switch unit [figure 8](#)
Complete with 2M power lead and 2M air pipe.
Must be mounted onto a suitable surface [figure 9](#) away from splash hazards, but must be in reach of mains electrical power and the foot of the process equipment operator [figure 10 & 11](#)



9. Plug the power switch into the 13Amp socket [figure 10](#)

Note: This circuit must have RCD protection.



Figure 11

10. Fit the air pipe from the foot pad to the power socket [figure 11a & 11b](#)
Make sure that it is firmly in place.



Figure 11b

Figure 12



11. Fit the power plug from the pump *figure 12* into the Power switch *figure 13*

Figure 13



9. Test the functionality of the whole wash system by operating the push button switch on the process unit and depressing the foot switch. Check of any leaks and rectify any faults.

10. Do not forget to remove the protective film from the plastic surfaces.

Figure 14



Important

Do not obstruct the slot at the back *fig.14* of the unit as this will be in breach of the Water Bylaws.



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