

Comdronic Ltd

Strainer cleaning procedure for AC6 commissioning meters.

The AC6 commissioning unit is fitted with a strainer in each of the connection ports. The strainer is a sintered brass unit capable of preventing significant amounts of dirt from entering the unit.

In certain circumstances when the level of dirt in the system is high it is possible that very fine particles can get through the strainers and block or partially block the sensor unit. This situation is not common but if you have to work on a dirty system then extra care must be taken.

The signs to look for if you suspect the AC6 is blocked is firstly that the readings from the unit will normally be less than the true reading. Secondly the unit will appear to be very slow to change reading when adjustments are made to the balancing valves.

It is not possible to fit finer strainers or filters as these create a pressure drop which affects the readings.

The only way to keep the AC6 in a good condition is to flush and back flush on a regular basis.

In the event of the flushing being ineffective it will be necessary to remove the strainers for additional cleaning.

The best way to flush and back flush the unit is to use clean water in the following procedure.

Simple flush: - Always backflush first.

1. Ensure that the equalising valve on the AC6 is open.
2. Connect the clean water supply to the Blue connector and allow the water to flow out of the red connection- This is the back flush.
3. Disconnect the water from the blue connector and connect the water to the red connector. Allow the water to flow out of the blue connector. – this is the forward flush.

Advanced Flush:- Always backflush first.

When flushing, hold the AC6 upside down as this will help to dislodge particles

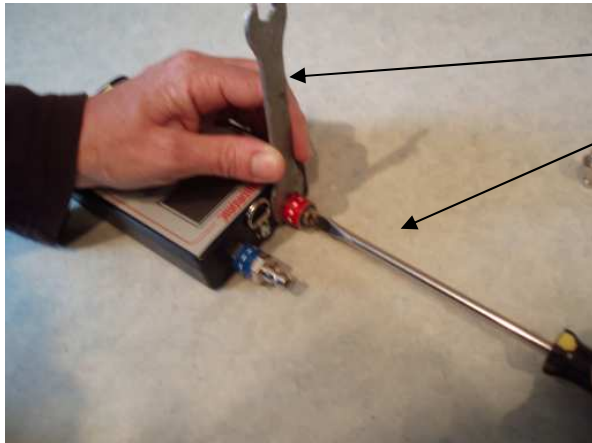
1. Remove strainers as per instructions below
2. Backflush and forward flush as above.
3. Replace strainers

If the unit continues to read incorrectly then it will be necessary for further work to be carried out by Comdronic Ltd. This would normally be a re-furbishment which would include ultrasonic cleaning of all parts and re-calibration.

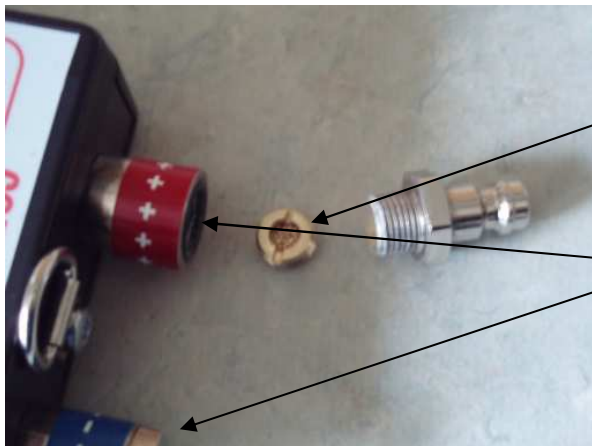


The strainers are located below the snap connectors. Using one wrench to hold the red or blue connector use another wrench to remove the snap connector.

It is important that the red or blue strainer housing is not loosened as this will invalidate warranty by breaking a seal.



Using the same wrench to hold the strainer housing use a screwdriver to remove the strainer from inside the housing.



The strainer is the small brass fitting with the sintered beads

Do not loosen these strainer housings

Cleaning the strainers can be difficult. Wash in soapy solution followed by a flush from a pressurised water source or air blast.

In the event of the strainers being so badly blocked that they cannot be cleaned contact Comdronic Ltd for replacements.