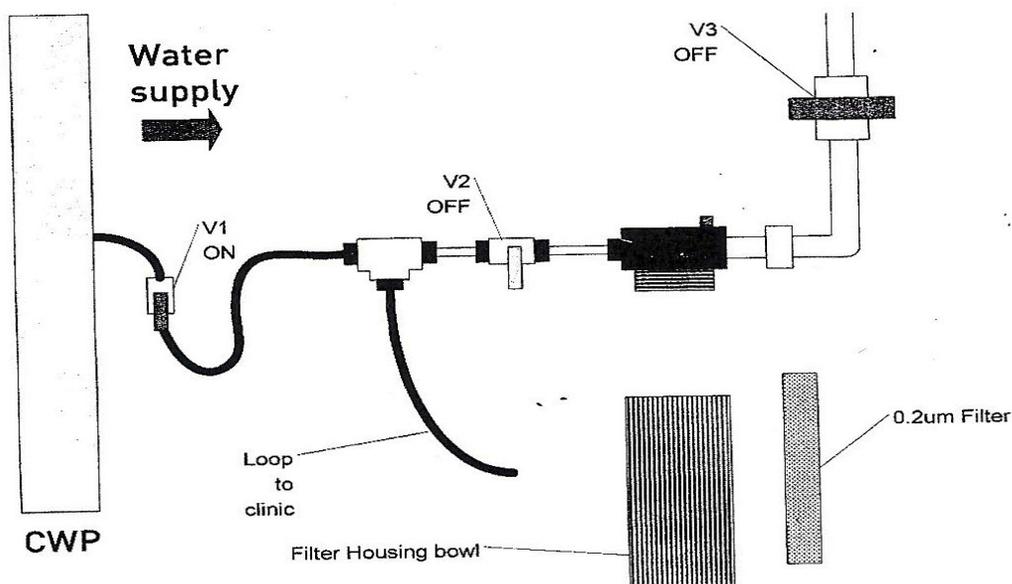




## Procedure for Bypassing Central Reverse Osmosis Unit (Sutherland)

Please note: Highflux filters and Haemodialfiltration cannot be performed when in Bypass. Please use low flux filters only

### Normal Operation

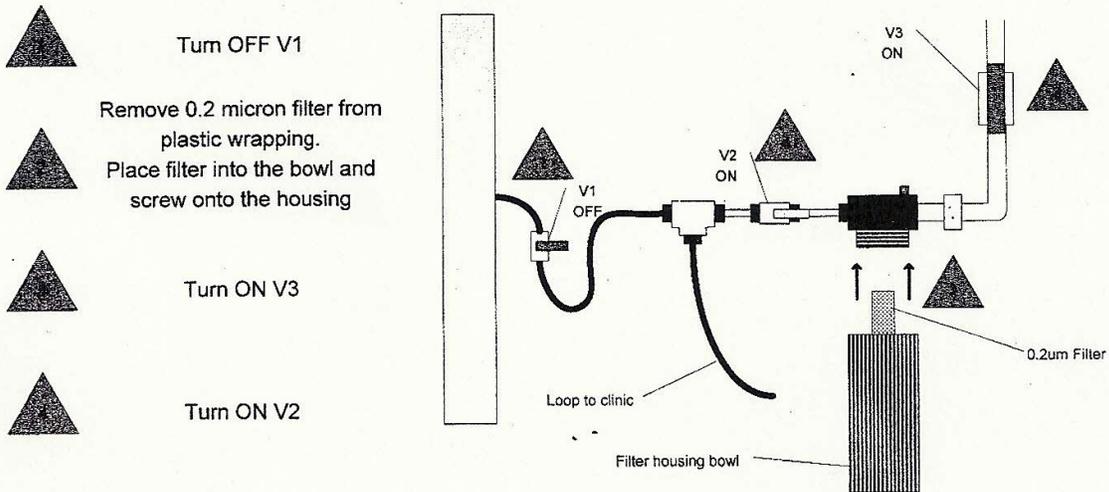


News 3-99 CWP Bypass Procedure - Diagram/Instructions - Sutherland

1. In Normal Operation mode, water has been filtered and leaves the Central Reverse Osmosis Unit to supply the loop around the unit where dialysis machines are connected to the swage lock housing at each station.
2. Valve 1 (V1) is in open position (aligned to pipe)
3. Valve 2 (V2) is off (perpendicular to pipe)
4. Valve 3 (V3) is off (perpendicular to pipe)

# Preparing for By-pass

Always confirm that there is water to the unit before installing the By-pass filter



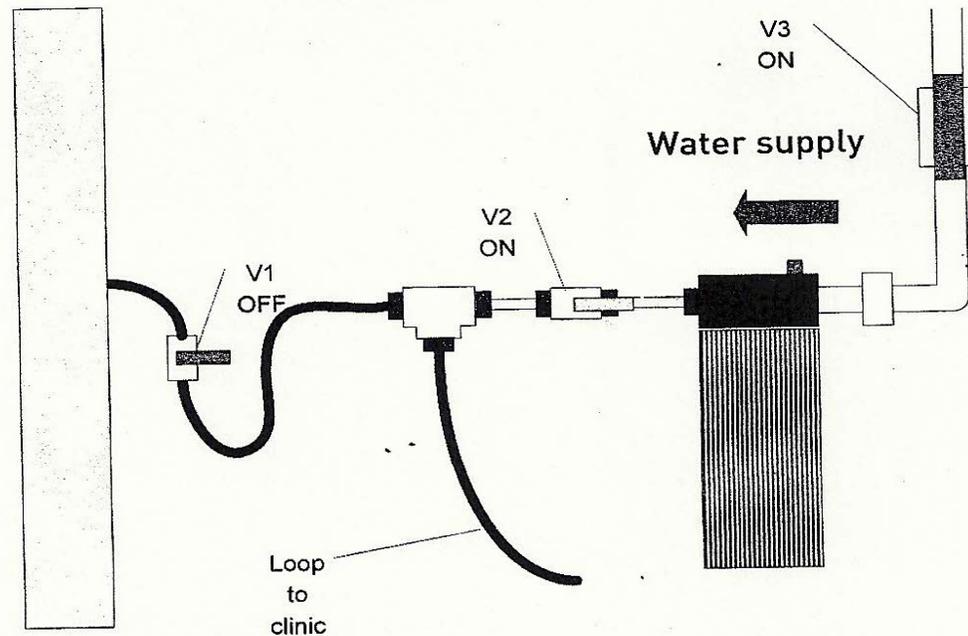
News 3-99 CWP Bypass Procedure - Diagram/Instructions - Sutherland

In the event of breakdown of the Central Reverse Osmosis Unit, the system can be placed in bypass to commence dialysis treatment as a temporary measure whilst waiting for it to be repaired.

N.B. Ensure there is water supply from the Mains by checking each of the 6 Pressure Meters on each Pre-treatment Cylinder and at P1 pressure gauge. They should read 400. If you have no water pressure/supply, you are unable to bypass. Please call Maintenance (ext 37316) immediately for action of no water supply and Gambro technician by logging an 1800 call.

1. If there is still water supply, **turn off V1**, as shown
2. Unwrap plastic off spare 0.2 micron filter and place into blue cylinder bowl casing.
3. Screw cylinder bowl containing filter onto housing of system.
4. **Turn on V3 first**
5. **Turn on V2**

# By-Pass



News 3-99 CWP Bypass Procedure - Diagram/Instructions - Sutherland

1. In Bypass mode, the water supply is filtered through the extra 0.2 micron filter and is then diverted to the loop, bypassing the Central Reverse Osmosis Unit.
2. Bypass micron filter should only be used for 24 hours and then changed or discarded.
3. Spare micron filters are supplied from Gambro and should always be left in plastic wrapping until ready for use.