

Braun

Catalyst:

1. lasts 5 – 10 years consists of a copper oxide on Alumina catalyst and Molecular Sieves
2. Need: 4.5 kg of 14x20 particle size (or 8x14) Cu catalyst
 - a. Braun FC-01 \$425
 - b. Englehard: Cu-0226 <425
 - c.
3. 12 lbs 13X beads (not pellets) We used 8-12 mesh . Molecular sieve FC-02\$150.00

Accessories

1. Spare Gloves
2. Static Eliminator part ACC-11 \$460
3. Internal glove port cover BP-03
4. PLC H₂O analyzer
5. PLC O₂ analyzer

Regeneration

1. Purge with Regen gas for 345 mins
 - a. R_g open
 - b. E open
2. Evacuate for 60 mins
 - a. R_g closed
 - b. E closed
 - c. R_v open
3. Cool and cycle for 660 minuets
 - a. R_v closed, K opens
 - b. Cycles through the opening and closing

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Working gas: N₂(g) from high pressure Liq N₂ tank

Regeneration gas: Argon – H₂ or N₂ – H₂ 5 – 10 % H₂ at 7.5 psi

Regeneration:

1. Switch off the circulation operation by turning off the blower. Green light goes out. Blower switches off.
2. Close hand-valves on purifier columns
3. Before starting the regeneration it is recommended to check the program manually: Set regeneration program knob at “purging”, purging-valve for regeneration gas should open. Set the pressure at the pressure reduction valve at a

value which give a flow rate of 15 - 20 l/min. This is equivalent to a pressure of about 7 psi.

4. After setting the regenerating gas purging amount, turn the regenerating program dial to the STOP position.
5. Continue to turn the program dial clockwise until the **regeneration** lights ups (red indicator). The program runs to its end automatically. Do not turn the program dial while the program is in progress, in order to avoid damage to the system. The end of the e regeneration program is indicated by extinguishing of the indicator **REGENERATION**. A complete regeneration cycle takes around 10 hours. The unit is then ready for operation again.
6. Open the hand valves on the purifier.
7. Using the blower switch put the system back into normal operation.