

Flux Reactor



NOTE: Flux Reactor components may still be hot to touch. Protective Gloves and Goggles shall be worn when servicing system.

NOTE: reactor may not be serviced until its temperature is below 60 degrees C.

NOTE: High Temperature Anti seize such as Loctite LB 771™ or similar MUST be used on screws when reinstalling heat exchange collar to Zeolite cartridge housing.

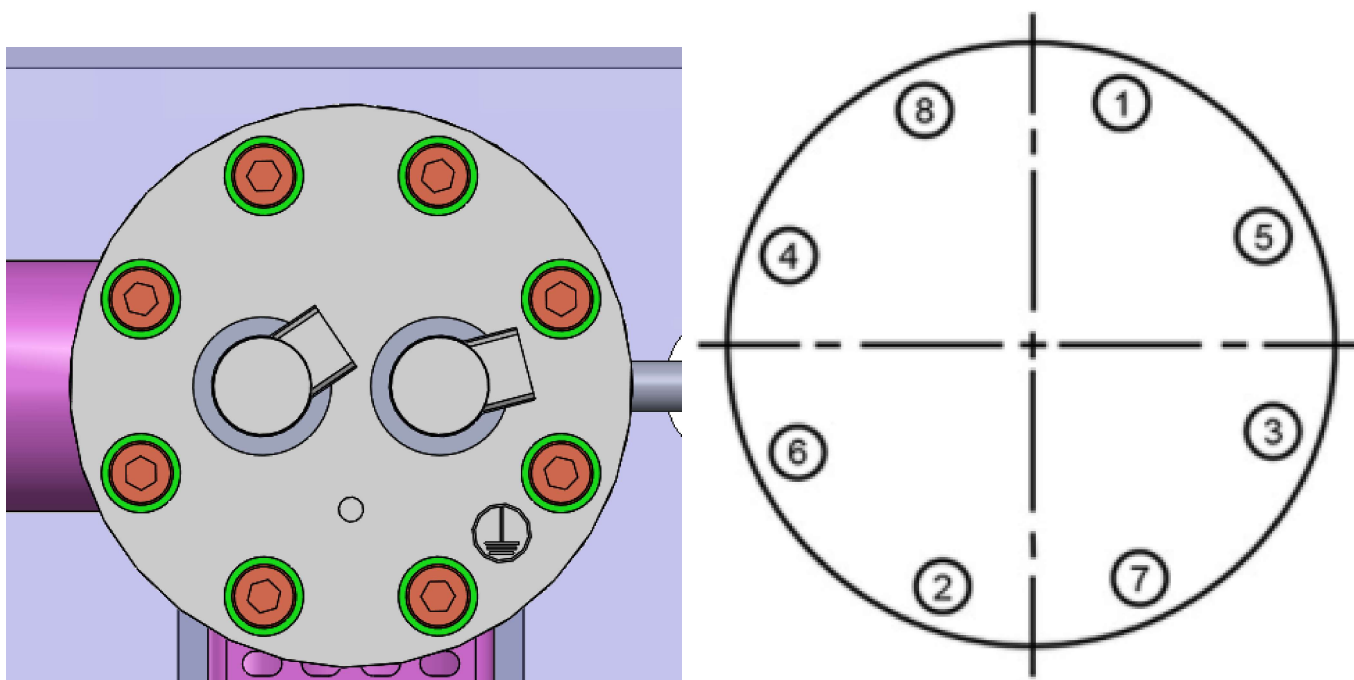


Figure 4-61. Heater Housing End Cap - M8X1.25X30 SHCS – Qty 8

Torque Screws to 48 +/-3Nm following pattern shown

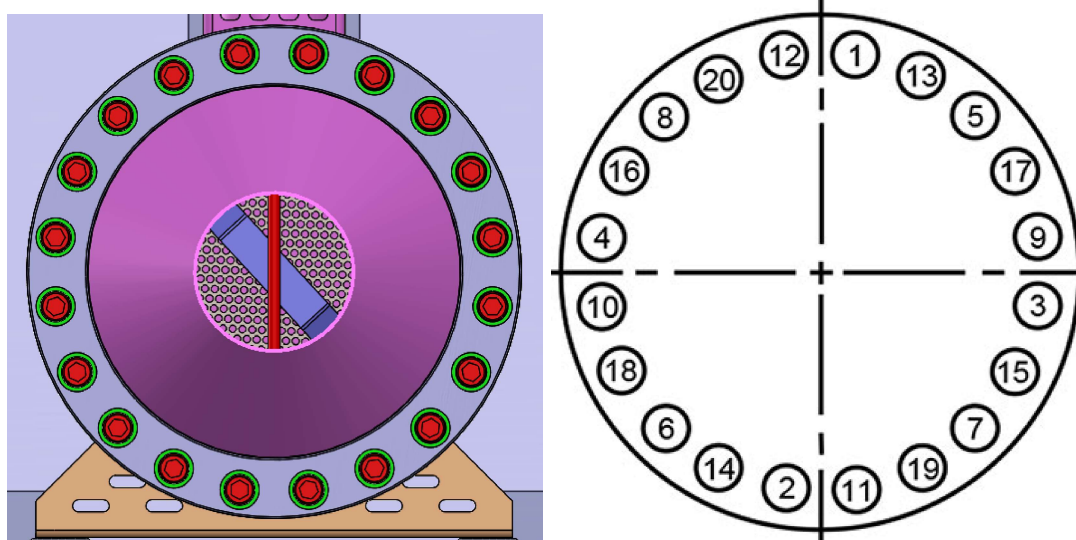


Figure 4-62. Zeolite Cartridge End Cap - M8X1.25X40 Hex Head Nickle Plated – Qty 20
Torque Screws to 48 +/-3Nm following pattern shown

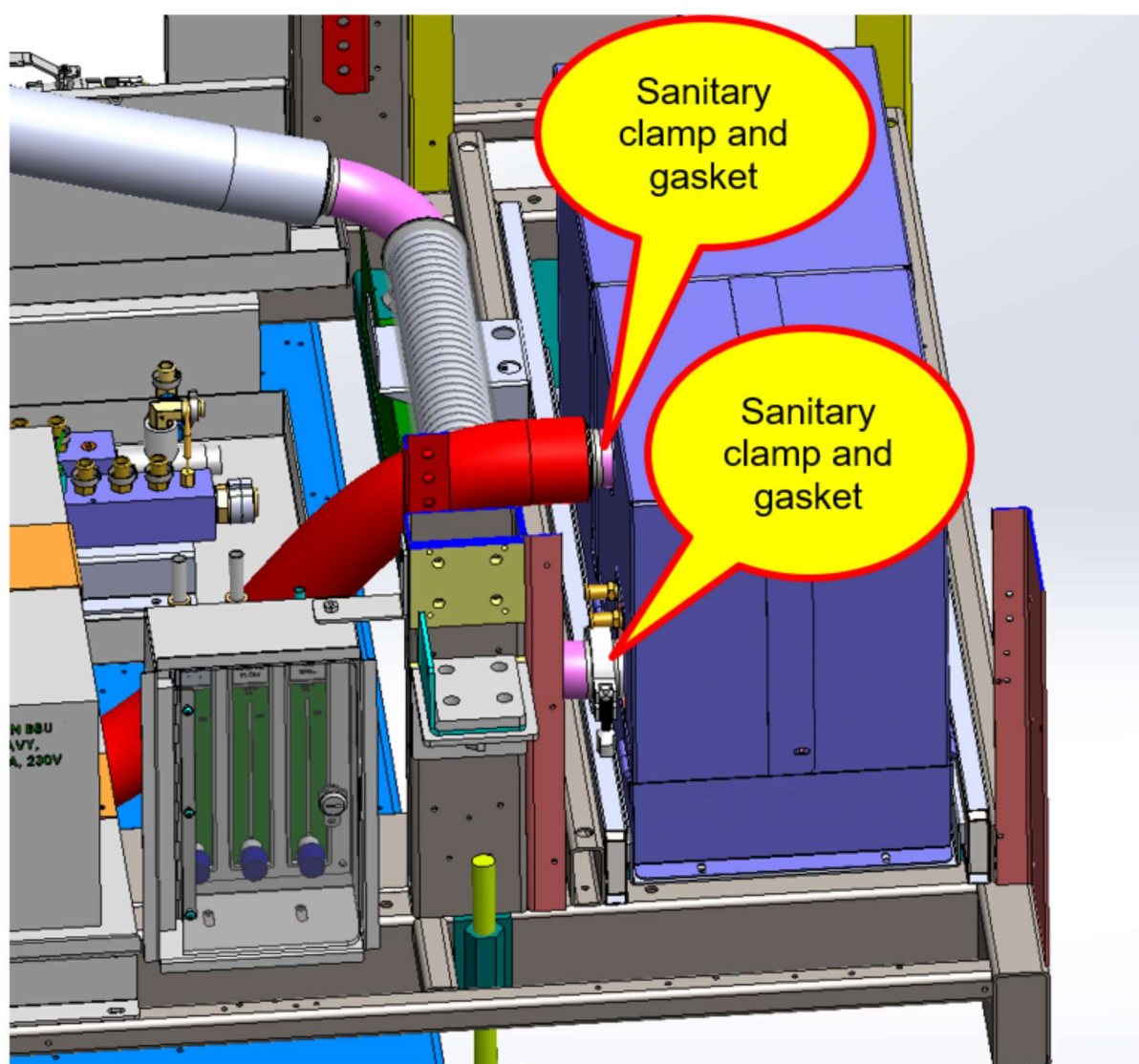


Figure 4-63. Flux Reactor Illustration – Sanitary Clamps

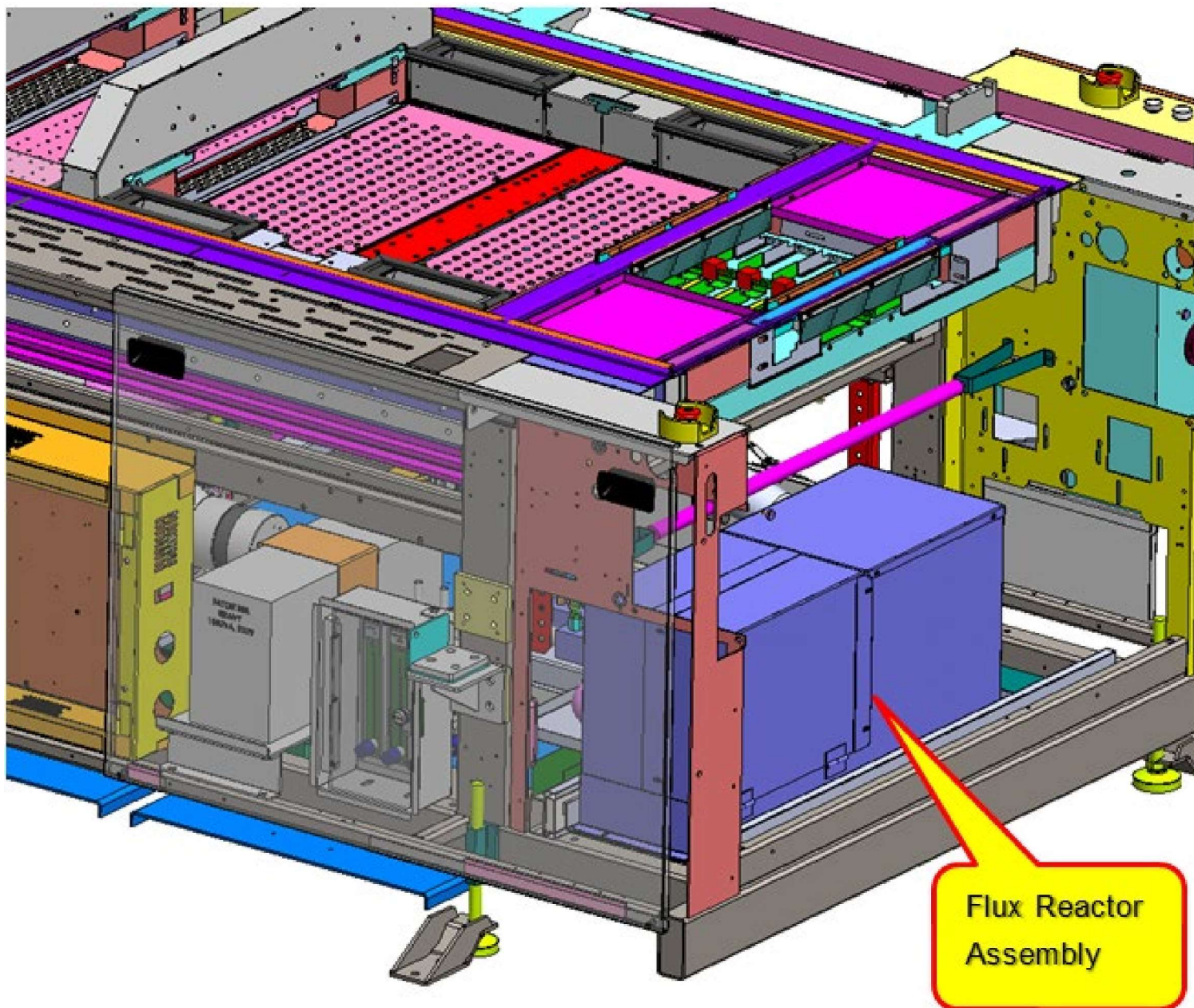


Figure 4-64. Illustration of Flux Reactor in Oven

1. Place oven in Cooldown.
2. Wait till reactor assembly is below 60 degrees Centigrade.
3. Remove oven front right panel to gain access to reactor assembly.
4. Disconnect input and output tubes of reactor by removing sanitary clamps. Take care to remove gaskets under clamps and save for reassembly.
5. Remove screws holding assembly in place.
6. Slide reactor assembly out of oven for servicing.

Note that heater, T/C wires and plumbing lines are behind assembly and have a service loop. y will move with assembly. Take care when sliding out flux reactor.

7. Referencing Figure 2-34, disassemble reactor to gain access to Zeolite core. This will require you to remove 20 bolts.

8. Remove core and replace with renewed or new Zeolite, Heller P/N 2210186.

Note: 2.5Kg of zeolite is required per PM. Delivered in 2.5kg measured packages as P/N 2210186

9. Replace copper Gasket, Heller P/N 205020.

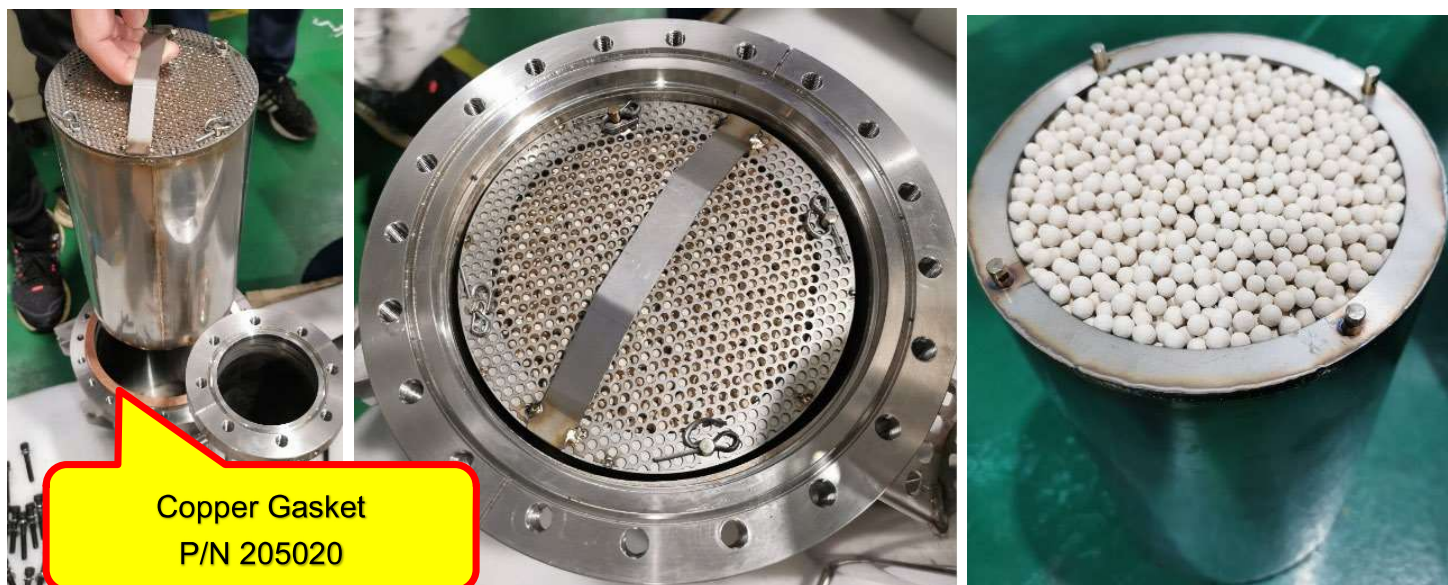


Figure 4-65. Zeolite Core, Stages of Disassembly

10. Reassemble reactor.

11. Remember to use High Temperature Anti seize on screws that attach cover over zeolite cartridge.

12. Hand tighten screws.

13. Torque Screws between 35 +/- 3 Nm using tightening pattern in Figure 4-62 and Figure 4-61.

14. Reinstall into oven.

15. Install sanitary clamps and gaskets.

16. Install front cover and restart oven.

Note – Water and N2 hoses along with T/C wire and heater cables need to be routed back into oven as well.

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