

Instructions for Falmouth Products FALCO 300 catalyst replacement



Personal safety equipment required:
◆ Safety glasses ◆ Ear protection ◆ Gloves
◆ Long sleeve shirt and pants ◆ Steel toe boots ◆ Dust mask ◆ Lockout/Tagout materials



Cool the FALCO 300 by either leaving the unit off for several days or running with the heater off and the heat exchanger bypass valve open until the temperatures are below 40°C. Turn off the FALCO power switch. Lockout/Tag out the power supply to the FALCO 300.



Remove screws holding FALCO 300 heat shield with a screwdriver. Remove Heat shield.



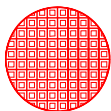
Disconnect the tube from the bottom of the pressure switch with a 5/8" wrench.



Unbolt pressure switch with two 7/16" wrenches.



Loosen the 1/2" electrical union on the pressure switch conduit, and carefully swing the switch 180° so it is out of the way and rests on top of the conduit connected to the control box.



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Put on dust mask, safety glasses, and ear protection. Remove 2" Catalyst fill plug.



Prepare a shop vacuum with 48" piece of $\frac{3}{4}$ " tubing. Use $\frac{3}{4}$ " Electrical Metallic Tubing (EMT). Duct tape the tubing to the end of the vacuum hose.



Use the shop vacuum and tubing to vacuum out all the catalyst through the larger (2") Catalyst fill plug. Inspect the catalyst chamber for damage.



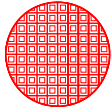
Make a funnel and a scoop out of clean plastic containers. Pour new catalyst into the catalyst chamber through the two fill plugs.



Fill the small port with catalyst. The catalyst must be evenly distributed in the catalyst chamber.



Gently distribute the catalyst with a large clean flat head screwdriver. Continue to fill the chamber until it is within $\frac{1}{2}$ " from the top of both fill tubes. Screw in the fill plugs. Assembly is the reverse of disassembly. The catalyst level will settle and should be topped off after two weeks of operation.



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