

Instructions for Falmouth Products FALCO 300 catalyst replacement



Personal protective equipment required:

- ◆ Safety glasses
- ◆ Ear protection
- ◆ Gloves
- ◆ Long sleeve shirt and pants
- ◆ Steel toe boots
- ◆ Dust mask
- ◆ Lockout/Tagout materials



Tools required:

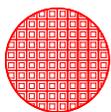
- ◆ (2) Large adjustable wrenches
- ◆ (1) 5/8" and (2) 7/16" open end wrenches
- ◆ Flashlight
- ◆ Funnel
- ◆ Scoop
- ◆ (1) Medium size and (1) large flathead screwdriver
- ◆ Shop Vacuum
- ◆ 48" long piece of 3/4" EMT tube
- ◆ elec. tape



Cool the FALCO 300 by leaving the unit off for several days or running with the heater off and the heat exchanger bypass valve open until temperatures are below 40°C.



Turn off all power to the FALCO. Lockout/Tagout power supply to the FALCO 300. Remove screws holding FALCO 300 heat shield with a screwdriver. Remove Heat shield.



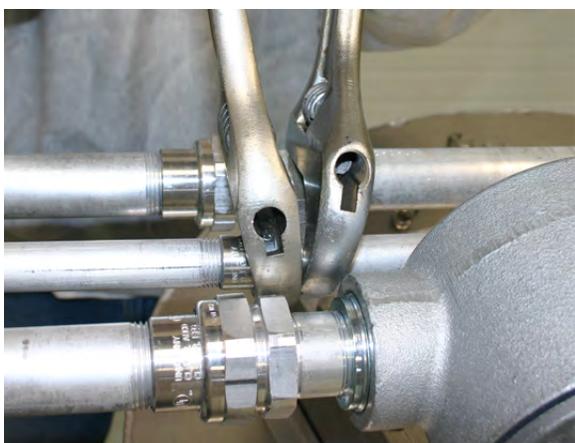
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Disconnect the tube from the bottom of the pressure switch (“+” or high pressure port) with a 5/8” wrench.



Unbolt the pressure switch with two 7/16” wrenches.



Use two large adjustable wrenches to loosen the 1/2” electrical union on the pressure switch conduit.



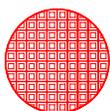
Carefully swing the switch 180° so it is out of the way and rests on top of the conduit connected to the control box. Use electrical tape to secure.



Put on dust mask, safety glasses, and ear protection. Use an adjustable wrench to remove the 2” Catalyst fill plug.



Prepare a shop vacuum with 48” piece of 3/4” tubing. Use 3/4” Electrical Metallic Tubing (EMT). Duct tape the tubing to the end of the vacuum hose.



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Use the shop vacuum and tubing to vacuum out all the catalyst through the larger (2") Catalyst fill plug. **(Caution: Do not bend divider plate).** Use a flashlight to inspect the catalyst chamber for damage. Call Falmouth products before proceeding if damage is present.



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 1/2" from the top of both fill ports. Screw in the fill plugs. Assembly is the reverse of disassembly. The catalyst level will settle and should be topped off after initial operation. Catalyst level should be checked again after two weeks of operation and topped off as necessary.



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