



02-005C
2 May, 2007

INSTALLATION OF KIT000153 (RETROFIT DRI-RITE CANISTER ASSY) INTO AN M400A

I. PURPOSE:

To give instructions on how to install a Dri-Rite canister assembly into an M400A analyzer.

NOTE: This KIT will improve the drift rate on the IZS option.

II. TOOLS:

7/16 open-end wrench

9/16 open-end wrench

Phillips head screwdriver

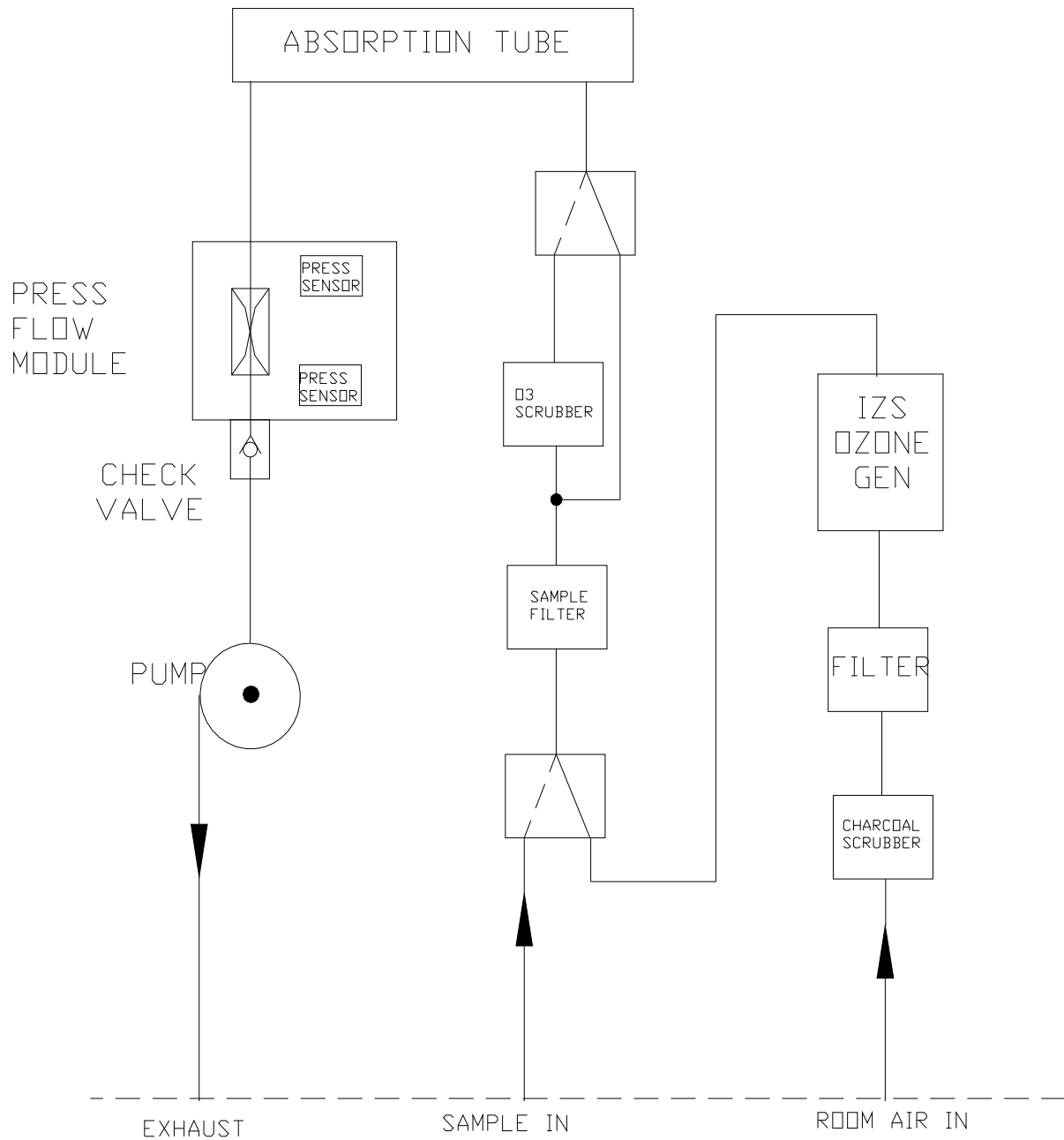
III. PARTS:

KIT000153

IV. PROCEDURE:

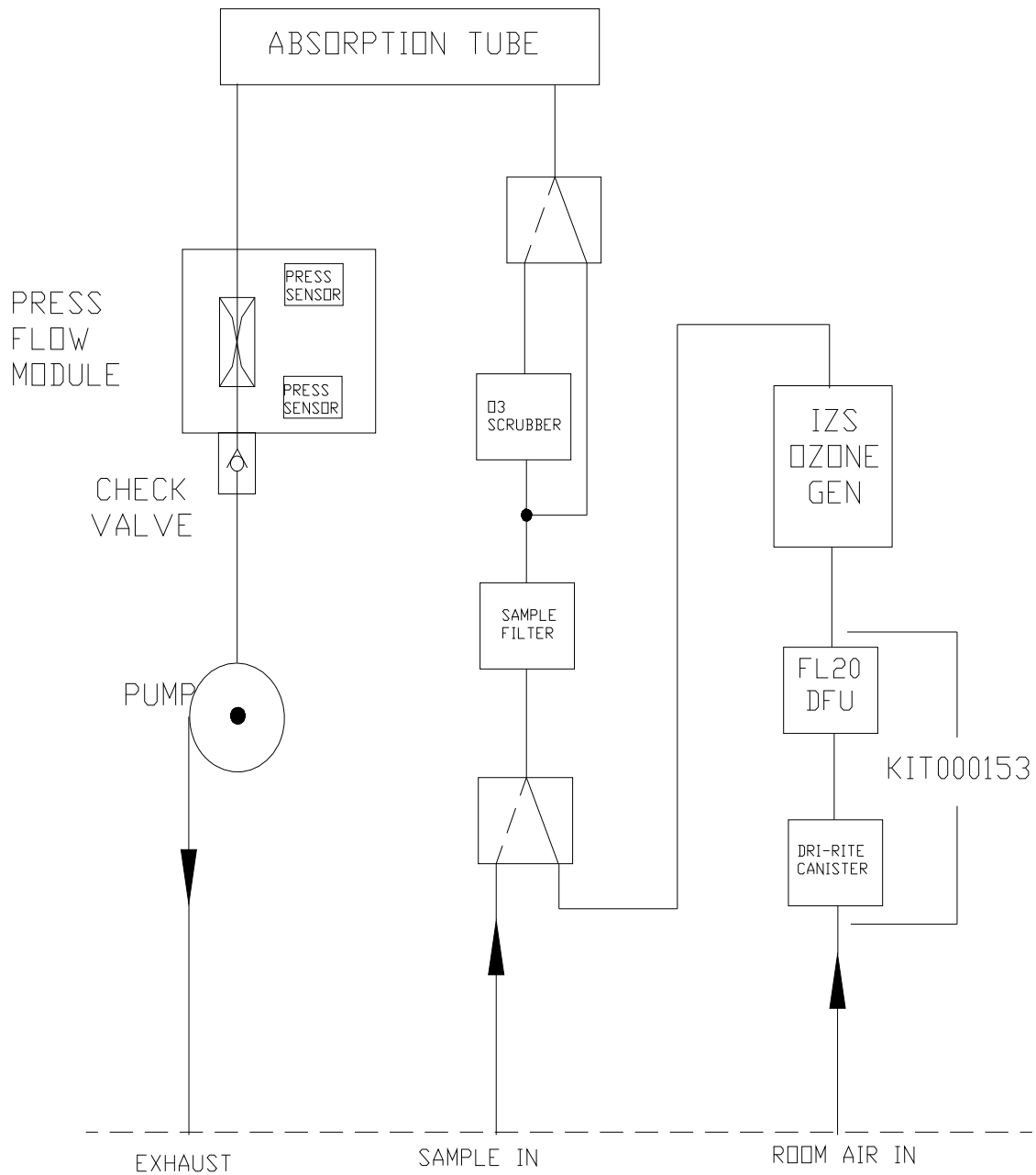
1. Remove power from the instrument.
2. Using the Phillips head screwdriver remove the screws that hold the cover on to the instrument.
3. Disconnect the DFU filter from the top of the Ozone generator leaving the elbow attached to the Ozone generator.
4. Disconnect the tubing coming from the Dry Air inlet on the rear panel.
5. Remove the Charcoal Canister from the two brackets on the rear panel along with the DFU filter and the attached tubing.
6. Install the KIT000153 in the reverse manner.
7. Connect the Charcoal DFU to the elbow on the top of the Ozone Generator.
8. Connect the 4" tubing from the bottom of the DRI-RITE canister to the DRY AIR inlet port on the rear panel. Use the ferrule; nut and tube insert that come with the KIT to fasten the tubing to the port.
9. Refer to Figure 1 for proper location of canister and DFU filter.
10. Once the DRI-RITE Canister assembly is installed perform a leak check on the analyzer.
11. If the analyzer passes leak check put the analyzer in CALS mode and let it run for 24 to 48 hours or until the span value is stable to precondition the DRI-RITE.
12. Use an external source and calibrate or verify that the analyzer is calibrated.
13. Perform an IZS Calibration. From the front panel press SETUP-MORE-DIAG-O₃ GEN CAL-ENTER. This will take approximately 1 hour to complete.
14. The instrument is now ready for normal use.

M400A PNEUMATIC DIAGRAM W/IZS



Installation of KIT000153 (Retrofit Dri-rite Canister Assy) into a M400A
02-005 Rev C
Page 2 of 4

M400A PNEUMATIC DIAGRAM W/KIT000153



Installation of KIT000153 (Retrofit Dri-rite Canister Assy) into a M400A
02-005 Rev C
Page 3 of 4

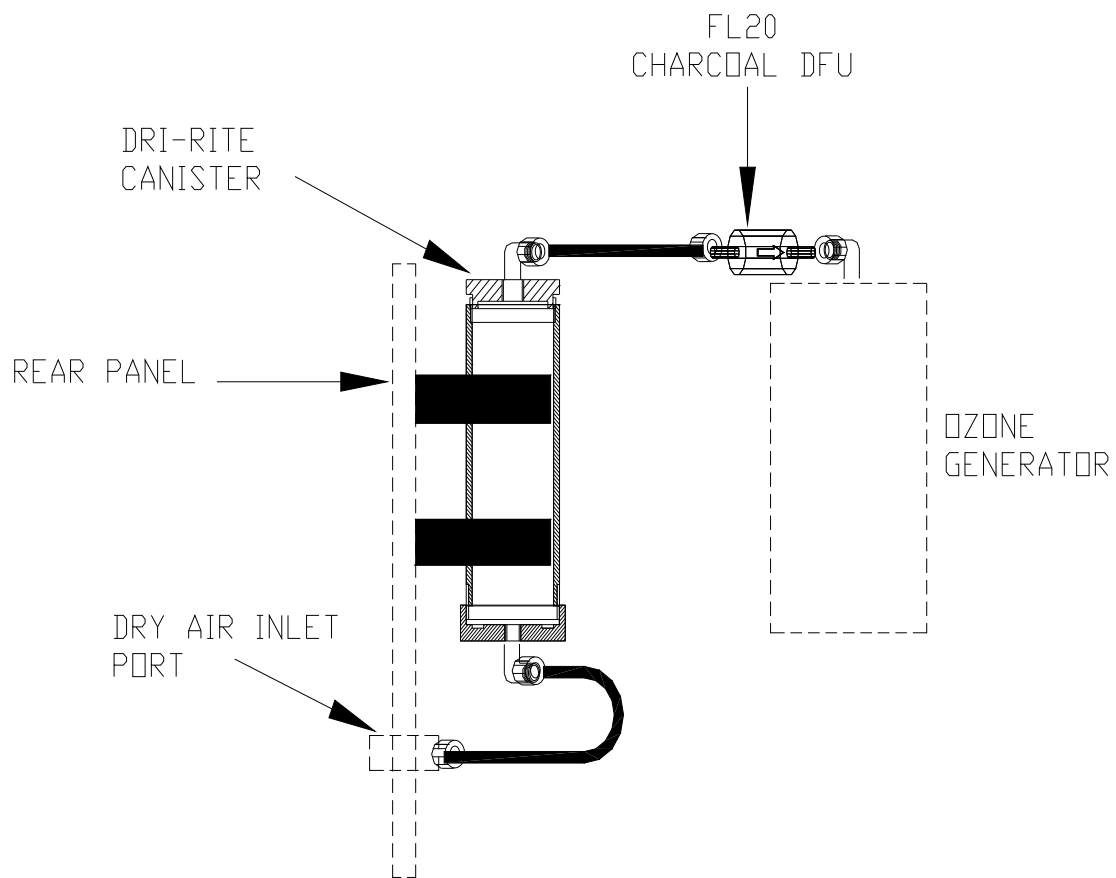


FIGURE 1.

Installation of KIT000153 (Retrofit Dri-rite Canister Assy) into a M400A
 02-005 Rev C
 Page 4 of 4