Quick Installation Instructions

TR-515 FAP Plus™ System

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Assembly/Installation

Note: Please refer to Figures A & B on the following sheet.

1. Connect the skimmer assembly to the FAP Plus™ pump.
2. Determine depth the skimmer will be positioned in the well. See Figure B for proper well position.
3. When the skimmer position has been determined, obtain the required length of down well discharge and supply hose (L_H). This length will be $L_H = H_W - L_{FAP}$. Additional hose length must be added to each to make connections to the product storage tank and filter/regulator assembly.
4. Connect discharge hose, air line, and safety cable to the FAP Plus™ pump. Be sure each line is securely fastened.
   Note: The I.D. of the air line must be kept clean and dry prior to connection.

   Pass the loose end of each through the bottom side of the Well Clincher, positioning the clincher on the hoses and safety cable to equal the distance determined as H_W. Tighten fittings on the top of Well Clincher, and secure the safety cable with cable clamp provided.
5. Place filter/regulator mounting adapter on the well casing. Lower the FAP Plus™ skimmer and pump into the well. Place the Well Clincher on top of the filter/regulator mount.
6. Mount the filter/regulator assembly on the mounting adapter using the bolts provided. Connect the air line from the pump to the outlet side of the filter/regulator assembly. Connect the discharge hose from the pump to the product storage tank.
7. Mount the pneumatic overfill device on the product storage tank. Connect an air line to the fitting labeled "TO PUMP" and the opposite end will connect to the inlet side of the filter/regulator assemble at the well.

   Connect another air line to the fitting labeled "AIR IN" on the pneumatic overfill and connect the opposite end to the air compressor or compressed air source. A coalescing filter should be installed at the air compressor and the air line will connect to the outlet side of this filter.
   Note: The air compressor must be located in a non-hazardous area.

Operation

1. Be sure all air lines are secure and the fittings are tightened.
2. Be sure the product discharge line is secure to the product storage tank.
3. The FAP Plus™ system must be supplied air from an air compressor that will deliver 1 cfm @ 100 PSI constant usage.
4. Do not operate the system in excess of 100 PSI.
5. Check the compressor for proper oil level.

   Note: Do not use synthetic oil in the compressor, damage can result to pneumatic components.

6. Pressurize the air line from the compressor to the pneumatic overfill device. Air pressure within the range of 80 to 100 PSI is suitable for most applications.
7. Activate the operation of the pneumatic overfill device by depressing the green button and holding down for several seconds. Release the green button and the indicator should remain green indicating the air line is pressurized and the device is in operation.
8. At the well adjust the pressure on the filter/regulator assembly to 60 PSI minimum. The FAP Plus ™ pump will now begin operating.
9. Check the product storage tank for product. Allow several minutes for product to fill the line before the product begins to discharge into the tank.
10. When the tank fills, the pneumatic overfill device will shut the air off to the FAP Plus™ system. The tank must be emptied before the device can be reset and skimming resumed.
11. Provide routine maintenance as described in the Upkeep section of the Operator's Manual.

Figure A

FIGURE A
FAP PLUS OPERATION
ALL PNEUMATIC OVERFILL PROTECTION DEVICE INSTALLATION

MOUNT FOR
FILTER/REG.
SEE DETAIL "1"

AIR
EXAHUST

CLINCHER

REGULATOR

PVC MOUNT
REGULATOR

WELL
RISER

BOLTS
PROVIDED
WITH PVC MOUNT

DETAIL "1"

COALESCING FILTER/
REGULATOR ASSEMBLY

AIR

DISCHARGE
TO PRODUCT
STORAGE

ALL-
PNEUMATIC
OVERFILL

PRODUCT
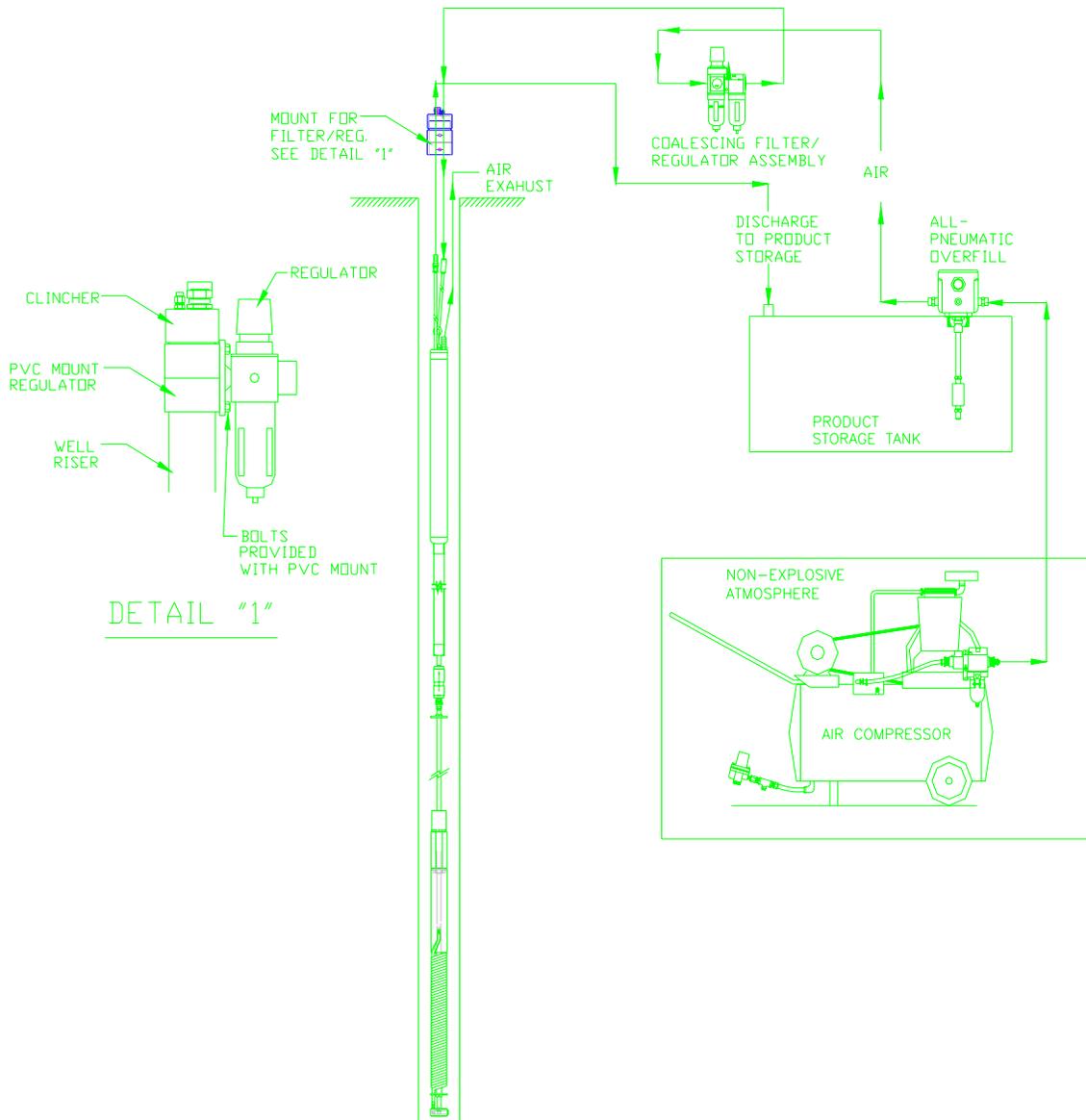STORAGE TANK

NON-EXPLOSIVE
ATMOSPHERE

AIR COMPRESSOR

FIGURE B
FAP PLUS OPERATION
FAP PLUS PUMP WITH FAP PLUS SKIMMER