

INSTALLING AND SETTING UP MODEL PRU-24VDC SAMPLE PUMP UNIT

- 1) PUMP ENCLOSURE SHOULD BE SECURELY INSTALLED AGAINST A FLAT SURFACE TO MINIMIZE POTENTIAL VIBRATION FROM PUMP. INSTALL THROUGH FOUR HOLES AS INDICATED BELOW, TO MAINTAIN WATER/DUST TIGHT STANDARD.
- 2) AFTER INSTALLATION, CONNECT SAMPLE HOSE TO THE INLET AND OUTLET FITTINGS ON THE TOP OF THE PUMP ENCLOSURE. THE *INLET* IS THE AIR SAMPLE FROM THE AREA TO BE MONITORED. THE *OUTLET* SAMPLE HOSE CONNECTS TO THE SENSOR WHICH MONITORS THE AIR SAMPLE FOR THE TARGET GAS.
- 3) GENTLY PUSH THE FLOW ADAPTER (GRAY COLOURED PLUG WITH TWO PORTS) INTO THE SENSOR OPENING IN THE TRANSMITTER ENCLOSURE. ATTACH THE SAMPLE HOSE FROM THE PRU-24VDC PUMP UNIT OUTLET FITTING TO ONE OF THE PORTS OF THE FLOW ADAPTER.
- 4) THIS COMPLETES THE FLOW THROUGH TO THE SENSOR OF THE SAMPLED AIR. THE PUMP INLET PARTICULATE/ CONDENSATION FILTER SHOULD BE CHECK ONCE IN A WHILE TO ENSURE IT IS NOT STARTING TO PLUG UP. THIS WILL PUT AN UNNECESSARY LOAD ON THE PUMP AND COULD DAMAGE IT.
- 5) CONNECT APROPRIATE POWER TO THE TERMINAL STRIP & GROUND STUD INSIDE THE PUMP UNIT. USE PROPER WATER TIGHT CABLE CONNECTORS FOR ANY WIRING HOLES DRILLED IN ENCLOSURE TO MAINTAIN WATER/DUST TIGHT STANDARD.
- 6) ADJUST FLOW METER TO APPROXIMATELY 2.12 SCFH = APPROXIMATELY 1.0 LPM FLOW TO SENSOR.

