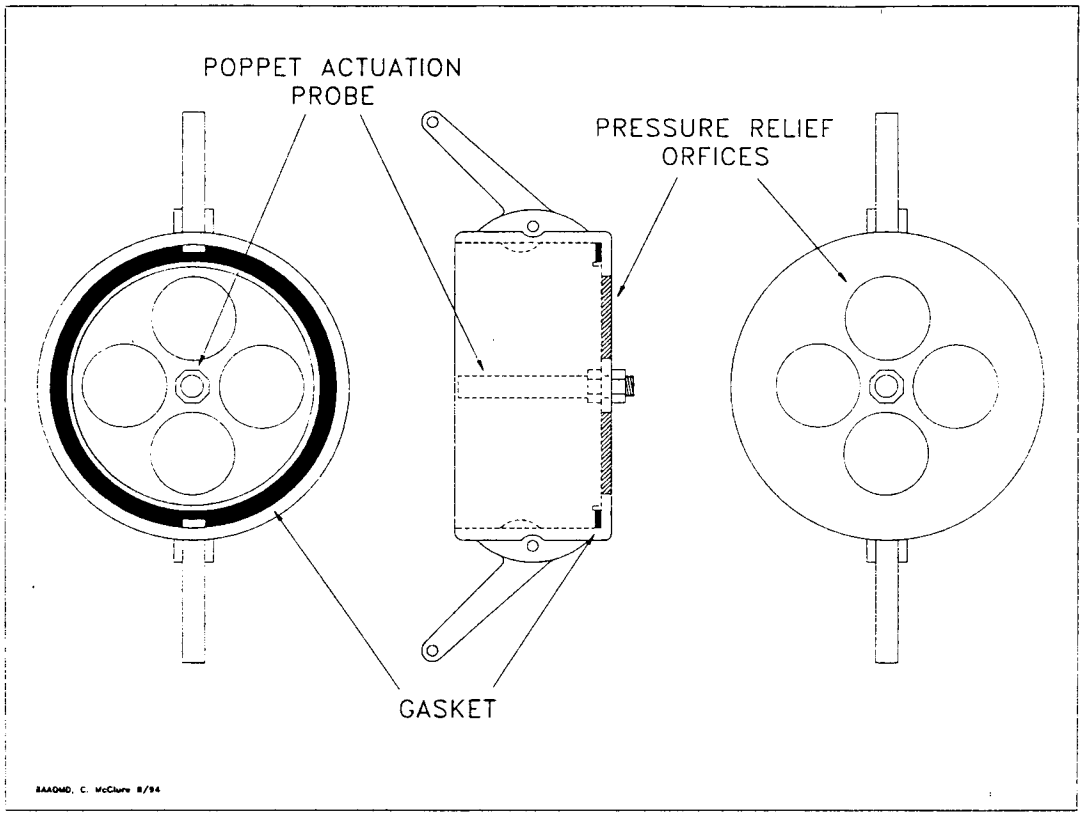
Figure 4-2

Dynamic Pressure Release Assembly



TESTING

7.1 Alternate Method 1. Insert the nozzle into the fillpipe of the Dynamic Back Pressure Test Unit, ensuring that a tight seal at the fillpipe/nozzle interface is achieved.

7.1.1 Connect the nitrogen supply to the test assembly.

7.1.2 Open the nitrogen supply, set the delivery pressure to 5 psig, and use the flowmeter control valve to adjust the flowrate to lowest of the required nitrogen flowrates.

7.1.3 A pulsating gauge needle indicates nitrogen passing through a liquid obstruction in the vapor return system. If this occurs, close the flow meter control valve, disengage the nozzle and redrain the nozzle and hose assembly. Re-engage the nozzle, open the flow meter control valve and repeat the test.

7.1.4 The following information shall be recorded on the field data sheet, as shown in Form 4-1:

(a) Pump Number and Product Grade
(b) Nozzle make and model
(c) Nitrogen flowrate, CFH
(d) Dynamic back pressure, inches H_2O

7.1.5 Repeat subsections 7.1.1 through 7.1.4 for all required nitrogen flowrates.

7.1.6 Close and replace the dust cover on the Phase I poppet.