

Figure 3-1 Standard Components of the Vacuum Quality Monitor System



Figure 3-2 Optional Components of the Vacuum Quality Monitor System

3.4 MS Gauge Installation



Verify that the vacuum port to which the Gauge is mounted is electrically grounded. It is essential for personnel safety as well as proper operation that the envelope of the gauge be connected to a facility Earth ground. Use a ground lug on a flange bolt if necessary.

3.4.1 Introduction

The Mass Spectrometer Gauge (MS Gauge) connects to a high vacuum system and is designed to operate at gas pressures between UHV and 10^{-5} Torr. The MS Gauge is available in two different configurations: nude and demountable envelope. Figure 3-1 illustrates a Nude MS Gauge mounted in a demountable envelope (nipple).

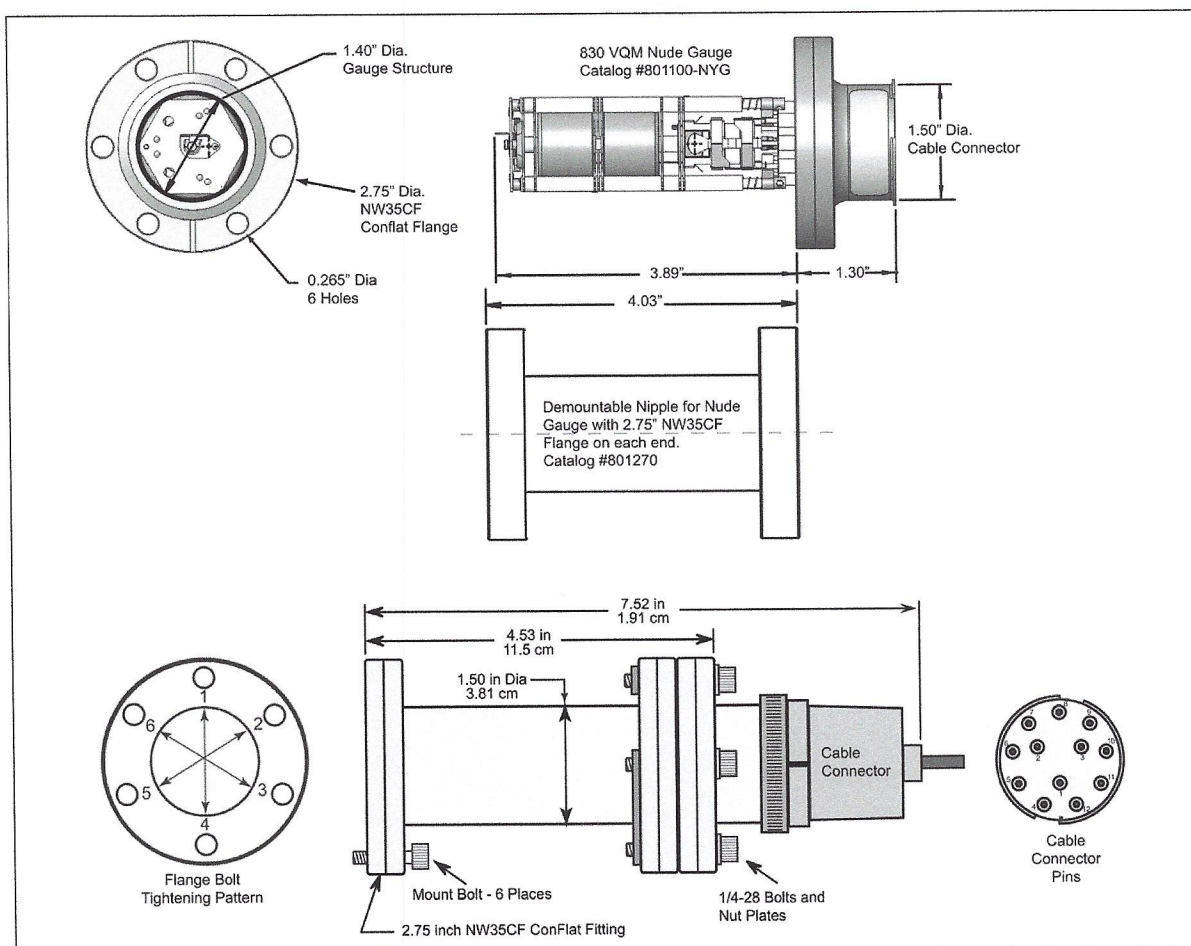


Figure 3-3 VQM Mass Spectrometer Gauge and Connector