Industry: Aerospace

Process: Rocket test laboratory

Application: High pressure Helium custody transfer point

Measurement Challenge/Difficulty: Remote measurement requires high turndowns. Traditional orifice measurement requires three meter runs to cover the intended range of operation.

Previous Method: Orifice meters are historically used.

Solution: One inch V-Cone with 2500 pound RTJ flanges. The V-Cone was capable of a higher turndown while maintaining accuracy. Unlike the traditional orifice measurement, the V-Cone Beta edge does not have an edge wear problem. Meter integrity is insured over many years of service. The exceptional repeatability of the V-Cone makes it ideal for custody transfer gas measurement.

Date Installed: March 1994