



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

Literature No.

24509-78/Rev. 1.1

Industry:

U.S. Air Force

Niche Market:

Military Custody Transfer

Process:

Specialized testing

Product:

Purge gas

Fluid:

Helium

Viscosity & Sp. G.

0.14 SG

Flow Rate:

1500 SCFM

Pressure:

5000 PSIG

Temperature:

Ambient

Size:

1 Inch Dia.

Date:

March 1994

Submitted by:

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