An economical extension of calibration standards

Gas Dilution System (MPV)

A 100% type 316L stainless steel gas dilution system capable of single step dilutions of 10,000:1 while consuming less than 1.2 L/min of input gases
General Specifications:

- **Input Pressures (standard):** 3–100 psig (0.2–7.0 kg/cm²); Other ranges optional
- **Output Pressure (standard):** 0.5–3.0 psig (0.04–0.2 kg/cm²); Other ranges optional
- **Output Flow (standard):** 25 ml/min minimum; Flows to 500 ml/min optional
- **Power Input:** 110 VAC
- **Mounting:** Pedestal or rack
- **Construction:** 100% type 316L stainless steel tubing in blend path
- **Stability:** Restrictors: ± 2% of reading / year
- **Repeatability:** Restrictors: ± 1% of reading

**MMSD-MPV**

This dilution system is an enhancement of the MMSD-VOC dilution system to allow the automatic introduction of four selectable dilutions. It is designed to be used with the Orsat AutoGC systems facilitating automated calibration curves at remote, unattended field sites. Like the MMSD-VOC it supplies humidified zero air and is capable of dilutions from 1:3 to 1:1000 by the selection of multiple restrictors. It incorporates the same solenoid controls to supply either zero air blanks or diluted samples to the sampling manifold. Each system includes a digital display of pressure setpoints.

- **Gas Inputs:** Air; Nitrogen optional
- **Gas Connections Fittings:** 1/16” VICI® (Valco®) and 1/8” Swagelock fittings
- **Dimensions:** 17” H x 15 ¼” D x 5 ¼” W
- **Weight:** 15 lbs

**Additional Models:**

- **MMSD-VOC**
  - **Gas Inputs:** Air; Nitrogen optional
  - **Connections:** 1/16” VICI® (Valco®) and 1/8” Swagelock® fittings
  - **Dimensions:** 5 ¼” H x 15 ¼” D x 17” W
  - **Weight:** 15 lbs

- **MMSD-HP**
  - **Gas Inputs:** Air; Helium, hydrogen, oxygen, nitrogen, argon optional
  - **Connections:** 1/16” VICI® (Valco®) fittings
  - **Dimensions:** 5 ¼” H x 15 ¼” D x 17” W (19” –R)
  - **Weight:** 11 lbs