

An economical extension of calibration standards

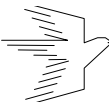
Gas Dilution System (MPV)

Merlin MicroScience



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/cm ²); Other ranges optional
Output Pressure (standard):	0.5–3.0 psig (0.04–0.2 kg/cm ²); 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 1/4" D x 5 1/4" 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 1/4" H x 15 1/4" 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 1/4" H x 15 1/4" D x 17" W (19" –R)
Weight:	11 lbs