

491Flex Specifications

FlexStream Base Module
②
②
Manual controls
Vertical orientation
30-150 °C
②
±0.1 °C
②
manually-set
②
②

Primary Dilution Flow Rate	
Dilution flow rate type	Mass flow meter
Standard dilution flow rate range	0.25 to 5 lpm
Optional flow rate ranges available	10, 1, 0.5 lpm
Flow rate accuracy	±1% FS
Flow rate calibration method	Analog zero/span adjust
Flow rate indication via front panel	②
Accepts Vapor Emissions from the Following Devices*	
Liquid-filled disposable tubes up to 15 cm in length (maximum of 8 tubes)	②
Liquid-filled high rate (LFH) permeation tubes (maximum of 1 tube)	②
Factory pre-filled gas-fed permeation tubes (maximum of 1 tube)	②
Diffusion tubes (maximum of 4 tubes)	②
*Note: A single oven can hold only one of the above tube types at a time	
Standard Component Flow Path	
Component contacts only glass, Teflon® and stainless steel	②
Glass permeation tube holder	②
Suitable for reactive component gases	②
Optional Component Flow Path (specified at time of order)	
Heated output lines	②
Stainless steel	②
Electro-polished stainless steel	②
Sulfinert-coated stainless steel	②
Teflon only	②
Teflon permeation tube holder	②
Standard Modes of Operation	
Standby	<u> </u>

Zero	©
Span-by-flow	Manual valve set and digital indication
Auto-calculates flow setpoint based on target concentration, tube emission rate and oven temperature	Manual calculation
Output Concentration Range	
Below 1 ppb to over 1000 ppm depending on tube emission rate and dilution flow rate; low ppb and ppt concentrations with secondary dilution	©
Expandability	
Additional permeation ovens	②
Customer-refillable gas-fed permeation oven option	©
Secondary dilution flow rate option; other ranges available	0.5 to 5 lpm
Overall output gas stream dilution ratio with both primary and secondary dilution	Up to 10,000:1
Direct gas blending module option	Ø
Humidified gas module option	②
Gas stream output Interface module option; If secondary dilution module is installed, subtract 10 psig (69 kPa)	ambient to 40 psig (276 kPa)
Instrument Housing (specified when ordering)	
Carrying case (standard)	②
Expansion chassis (option); desktop or rack-mount; 2 cases maximum	3 modules per case
Maximum number of modules in a single system	6
Power Requirements (specified when ordering)	
115 VAC, 50/60 Hz, 2 A	©
230 VAC, 50/60 Hz, 1 A	©
Dimensions and Weight	
Dimensions (Base module in carrying case)	Similar

Weight (Base module in carrying case)	Similar
Certifications	
European CE Mark (230 VAC, 50 Hz)	⊘
NRTL (site-specific)	not tested
CSA (site-specific)	not tested
UL (site-specific)	②
Speciality Applications (Please contact the Factory)	
Special diluent (carrier) gases other than inert gases	②
Trace moisture	②
Chemical compatibility issues	⊘
Heat tracing requirements	②
Other	②