

Sample conditioning System for Gas Chromatograph

- Pre-engineered designs guarantee delivery and performance
- Liquid streams and vapor streams, multi streams
- Wild variety of designs to accommodate most critical processes
- Component compatibility with most maker process analyzers
- Low maintenance due to high level of documentation and proven design with proven components
- Single source inspection and project management
- Manual Auto cal., By-pass, Relief, Bleed valve options

DESCRIPTIONS:

SCS configurations are available in one, two, and three stream models, for vapor or liquid process streams.

A standardized engineering and component selection design approach was implemented for the systems offered. High integrity components, with the focus on ease of operation and maintainability were keys in the design. Special attention was given to minimizing threaded connections, front access mounting, and components that could be combined into convenient manifolds, eliminating tubing dead volume and connections. Double block and bleed, air operated valve manifolds are incorporated throughout the designs for stream switching. Horizontal mounted filters, pressure gauges, relief valves, and 1/4 turn isolation ball valves are all standard components and used in the systems where appropriate to the application. Where customer or application requirements can be met with the systems as designed, with little or no modification to these established standards. Upon system final sample temperature, pressure, length, phase, heater use steam or electric must be given to our engineers for final design. Upon final design, flow diagram and dimensional prints will be supplied.



TECHNICAL SPECIFICATIONS :

■ For Gas Chromatograph

Ambient Temperature: 5 to 60oC (32 to 140oF)

Fittings: Pneumatic valve 1/8" tube fitting Hy-lok standard, Swagelok available, minimum 40 psig Instrument Air

Wetted Parts Material;

Vapor: 316SS or Silco treated Steel, glass, Viton or Teflon

Liquid: 316SS or Silco treated S, Viton or Teflon

Dimensions: 600 x 800 x 250, 3.2t (1, 2 and 3 streams)

Plate, Enclosure, Insulated enclosure

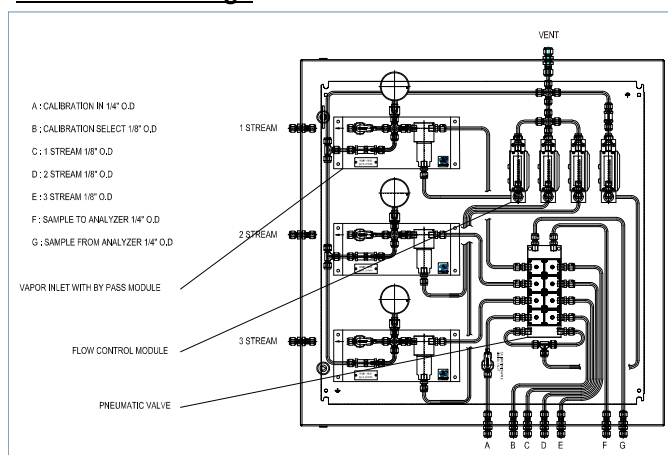
Weight: Approximately 25 kg (55 lbs)

Power requirement: None require / Depend on Electric space heater or Steam

Note: Due to WELLAS's commitment to continual product improvement, specifications are subject to change without notice

Further details as per product datasheet GasChro – Issue 1.

Dimension drawing :



Application data sheet :

*Stream data– Tag. & No., Process conditions & Compositions should be submitted

SAMPLE SLIPSTREAM CONDITIONS:	SAMPLE DATA & MISCELLANEOUS REQUIREMENT :
Inlet to analyzer ___Kg/Cm2 (psig) and	Sample phase (Tap / SCS): <input type="checkbox"/> Vapor <input type="checkbox"/> Liquid
Return tap from analyzer ___Kg/Cm2 (psig)	Sample phase (Analyzer) : <input type="checkbox"/> Vapor <input type="checkbox"/> Liquid
* Vapor pressure ___ Kg/Cm2 (psig) @process condition ___C°/ F°, If liquid injection at Analyzer	
Distance from analyzer to tap ___M to return	Moisture Contents: ___vol.% ___C° saturated
Sample travel time require ___Sec.	Corrosive Components (resistant material):
Additional utilities & environment requirements:	Stability (polymerize, decomposes):
Electric power: ___ Steam Press.:	Dust (Amount and particle size):
Instrument Air pressure : ___Kg/Cm2	Additional :
Area classification: ___	*Field Station: <input type="checkbox"/> PRV <input type="checkbox"/> PRV Elec. <input type="checkbox"/> PRV Steam <input type="checkbox"/> Pump
Temperature range of location: ___ C°/F°	*Heat Trace: <input type="checkbox"/> Steam <input type="checkbox"/> Elec. *Probe:

Ordering information :

CODE	APPLICATION
VB	Vapor Injection w ith bypass
LB	Liquid Injection w ith bypass
CODE SAMPLING MATERIAL	
S	316SS
N	316SS w ith nace mr0175
SS	Sulfinert coating
Note.	Special Meterial 별도 문의
CODE PRESSURE CONTOL	
0	None required
2	Electric Pump (Speciffy electric/area class.)
3	Back Pressure regulator @1.5 barg / Gauge (Liquid only)
CODE TEMPERATURE CONTROL	
0	None required
C	Sample Cooler (Utility Requirement)
D	Dual coil Cooler w ith vortex cooler(Utility Requirement)
CODE FLOW METER TYPE	
A	Glass type w ith needle valve
B	Metal type w ith needlw valve
T	Metal type w ith transmitter
CODE MULTI STREAM DESIGN _UP TO 16 STREAM	
1	1 Stream
2	2 Stream
:	:
16	16 Stream
CODE SYSTEM ENCLOSURE TYPE	
45	IP65 Certified enclosure, 304SS
65	IP65 Certified enclosure, 316SS
45W	IP65 Certified enclosure, 304SS w ith Safety w indow s
65W	IP65 Certified enclosure, 316SS w ith Safety w indow s
Note,	Other type available
CODE SYSTEM ENCLOSURE ACCESSORY	
0	None required
E	Electric Heater 200W @ 10℃ (Specify electric/area class.)
S	Steam Heater (Low pressure steam utility requirement)
CODE POWER REQUIREMENT	
	전기적 아이템 선택 시 필수 항목
1	110 Vac, 60Hz
2	220 Vac, 60Hz
9	Special
SC3	- VB S 0 C A 1 45 E 1 SC3-VBS0CA145E

For further technical information see front page