

PlasmaDetek

GC Detectors



LDGSS

HIGH PURITY GAS SYSTEM SELECTOR

The LDGSS now brings to the gas industry the most reliable and easy way to provide clean gas to any process GC and online process analyzers. It's compact design, based on high purity connections with a unique diaphragm valve with no dead volume. It becomes the ideal solution for any stream selection needs. This concept allows a quick response time, the possibility to work in vacuum mode and avoid drifting problems.

THE LDGSS SPECIFICATION

NUMBER OF INLETS	• 2 to 9 streams configurable
STANDARD FEATURES	<ul style="list-style-type: none"> • Front mounted stream bypass valves • Dry contacts that remotely give status of selected channel • Local or Remote control via 12VDC supply • Front Mounted rotary switch selector • Electrical or pneumatic actuation for the diaphragm valve
OPTIONS	<ul style="list-style-type: none"> • Back Pressure Regulator mounted between LDGSS outlet and analyzer to maintain constant pressure. • Purged cabinet for hazardous application
SAMPLE BYPASS ADJUSTABLE VALVE FLOW RANGE	• 0 to 500 ml/min
INTERNAL DIAPHRAGM VALVE PURGING FLOW	• 5 ml/min total
GAS INLET & OUTLET CONNECTIONS	<ul style="list-style-type: none"> • 1/16" - 1/8" - 1/4" Stainless Steel Compression Type Swagelok compatible. • 1/8" - 1/4" Stainless Steel High Purity VCR type
PURGED GAS VENT CONNECTIONS	• 1/4" Stainless Steel Compression Type Swagelok compatible
SUPPLY	• 85VAC to 240VAC 50/60Hz
POWER CONSUMPTION	• 10 watts
MAXIMUM OPERATING PRESSURE	• 300 PSIG (2068Kpa)(21 Bar)
MINIMUM OPERATING PRESSURE	<ul style="list-style-type: none"> • 1 PSIG (6.89Kpa) (0.07 Bar) (lowest pressure can be achieve for glove box application by adding the optional metal bellow pump) • The LDGSS can even works in vacuum mode.
NOMINAL WORKING PRESSURE	• 20 PSIG (138Kpag)
REMOTE CONTROL VOLTAGE INPUT	• 12 VDC at 200mA maximum
WEIGHT	• 14 lbs (6Kg)

THE LDGSS ORDERING INFORMATIONS

-xxx	Operating Voltage	120 : 120 volts 220 : 220 volts
-X	Number of Inlets	2 to 9 : 2 to 9 streams
-X/X	Gas Inlets Connections Size	1/16 : 1/16 inches 1/8 : 1/8 inches 1/4 : 1/4 inches
-XXX	Gas Inlets Type	VCR : Face seal Type SWG : Compression Type
-XXX	Back Purged Reg.	BPR : Regulator

LDGSS APPLICATION NOTES

THE LDGSS FEATURES

- A compact design reducing project costs.
- Leak proof, tested and certified
- Air diffusion resistant
- Unique diaphragm valve with no dead volume for stream selection
- No stream cross contamination
- Quick purging time
- Optional purge gas flow to avoid contamination
- Easy to operate
- Oxygen cleaned and compatible
- Can be easily integrated to any type of process G.C. or on line process analyzers

THE LDGSS DIMENSIONS

