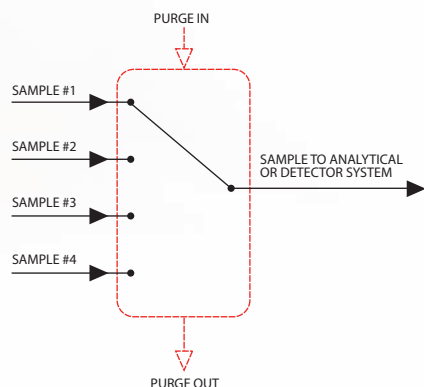


# LDGSS

## High Purity Gas Stream Selector

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



### > FEATURES:

- 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

### > APPLICATIONS:

- Air Separation industry
- Semiconductor manufacturing
- Laboratory GC's installation
- System's Integrators
- Glove box



## > SPECIFICATIONS:

<b>NUMBER OF INLETS</b>	2 to 9 streams configurable
<b>STANDARD FEATURES</b>	<p>Front mounted stream bypass valves</p> <p>Dry contacts that remotely give status of selected channel</p> <p>Local or Remote control via 12VDC supply</p> <p>Front Mounted rotary switch selector</p> <p>Electrical or pneumatic actuation for the diaphragm valve</p>
<b>OPTIONS</b>	<p>Back Pressure Regulator mounted between LDGSS outlet and analyzer to maintain constant pressure.</p> <p>Purged cabinet for hazardous application</p>
<b>SAMPLE BYPASS ADJUSTABLE VALVE FLOW RANGE</b>	0 to 500 ml/min
<b>INTERNAL DIAPHRAGM VALVE PURGING FLOW</b>	5 ml/min total
<b>GAS INLET &amp; OUTLET CONNECTIONS</b>	<p>1/16" - 1/8" - 1/4" Stainless Steel Compression Type Swagelok compatible.</p> <p>1/8" - 1/4" Stainless Steel High Purity VCR type</p>
<b>PURGED GAS VENT CONNECTIONS</b>	1/4" Stainless Steel Compression Type Swagelok compatible
<b>SUPPLY</b>	85VAC to 240VAC 50/60Hz
<b>POWER CONSUMPTION</b>	10 watts
<b>MAXIMUM OPERATING PRESSURE</b>	300 PSIG (2068Kpa) (21 Bar)
<b>MINIMUM OPERATING PRESSURE</b>	<p>1 PSIG (6.89Kpa) (0.07 Bar)</p> <p>(lowest pressure can be achieve for glove box application by adding the optional metal bellow pump)</p> <p>The LDGSS can even works in vacuum mode.</p>
<b>NOMINAL WORKING PRESSURE</b>	20 PSIG (138Kpag)
<b>REMOTE CONTROL VOLTAGE INPUT</b>	12 VDC at 200mA maximum
<b>WEIGHT</b>	14 lbs (6Kg)

## > ORDERING INFORMATION:

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

## > DIMENSIONS:

