

LDASS



AUTOMATIC SWITCHOVER SYSTEM



High performance analytical instruments require high purity gas supplies. Our ultra high purity switchover system and valves series are especially designed for trace impurities analytical devices.

The LDASS (automatic switchover system) series is specially designed to provide continuous gas flow from two (by default) high pressure sources with possibility to go up to 6 gas sources with our multi-ports Stainless Steel manifold design.

Diffusion-resistant metal diaphragm seal ensures gas purity and integrity. Mounting bracket is standard and internal parts are stainless steel 316L and suitable for cylinder gas, bulk gas line, mixed gas or any other type of gaseous mixtures.

A purging valve is mounted on the multi-ports manifold to be able to purge independently each gas source on each side of the switchover system. This ensures the purity integrity of the gas supplied to the analytical devices.

A retaining whipsafe steel cable is attached individually to each flexible hose and by both extremities to secure the braided hoses fixing.

TYPICAL INSTALLATION

Automatic switchover system (mounted with 2 bottles and the whipsafe cable system). The multiport manifold can accept up to 6 bottles and/or pressure sensors with a standard purged valve.



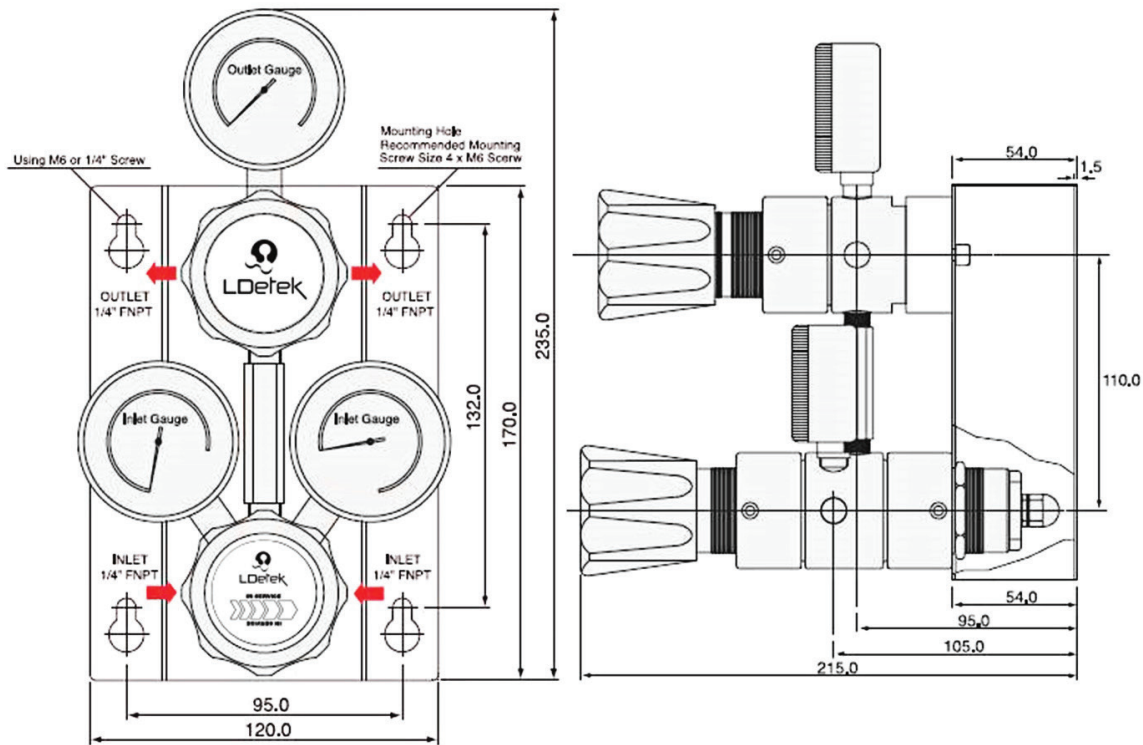
SPECIFICATIONS

PORTS	1/4 FNPT
LEAK RATE CERTIFICATION	2 x 10 ⁻⁸ atm cc/sec Helium
BODY MATERIAL	Stainless Steel 316L
DIAPHRAGM	Stainless Steel 316L
MAIN VALVE	Stainless Steel 316L
VALVE SPRING	Stainless Steel 316L
VALVE SEAT	Teflon
MAX INLET PRESSURE	3500psig (238bar)
MAX OUTLET PRESSURE	145psig (10bar)
OPERATING TEMPERATURE	-40 °C to +70 °C (-40 °F +158 °F)
FLOW CAPACITY	Cv 0.06
FLEXIBLE HOSES	Each flexible hose is one-meter Braided Stainless Steel with CGA580 ends with lok-filters and check valves*
OPTIONAL	Pressure monitoring system (LDPMS) **
OPTIONAL	Number of gas inlet sources(bottles): Can be 2 or 4 or 6 flexible hose kits with whipsafe steel cables

*The end lok-filters avoid the flexible hose the get contaminated with particles and air when changing for a new filled bottle. A safety additional check valve is mounted on the flexible hose to avoid back flow from the full bottle source. The CGA model can be replaced by another model on request. Each braided flexible hose comes attached with a whipsafe steel cable system.

**An optional pressure sensor can be mounted on each side of the switchover system, then when one bottle get below the accepted pressure limit, an alarm output is activated. Our LDPMS pressure monitoring system is recommended.

DIMENSIONS



ORDERING INFORMATION

LDASS	S	010	NP4	X	XXX	X	LDPMS
Series	Body material	Max outlet pressure	In/Out ports size	Number of gas sources (bottles)	CGA type	Hose length	Options
Standard inlet pressure up to 3500psig (238bar)	S: Stainless steel 316L	010: 1-10 bar (1-145 psig)	NP4: ¼ FNPT	2: 2 flexible hoses with whipsafe 4: 4 flexible hoses with whipsafe 6: 6 flexible hoses with whipsafe	580: CGA580 350: CGA350 ABC: special request to be specified on order	1: 1 meter a: special length required to be specified on order	LDPMS: Pressure monitoring system with alarm module with 2 pressure sensors



990 Monfette Est, Thetford Mines, (Qc), Canada, G6G 7K6
 Phone: 418 755-1319 • Fax: 418 755-1329 • info@ldetek.com

www.ldetek.com