

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 high pressure sources. They are complete high purity changeover system which combines the changeover regulator and a line regulator into a compact wall mount system for ultra high purity and specialty gases.

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.

TYPICAL INSTALLATION

Automatic switchover system with its pressure monitoring system.



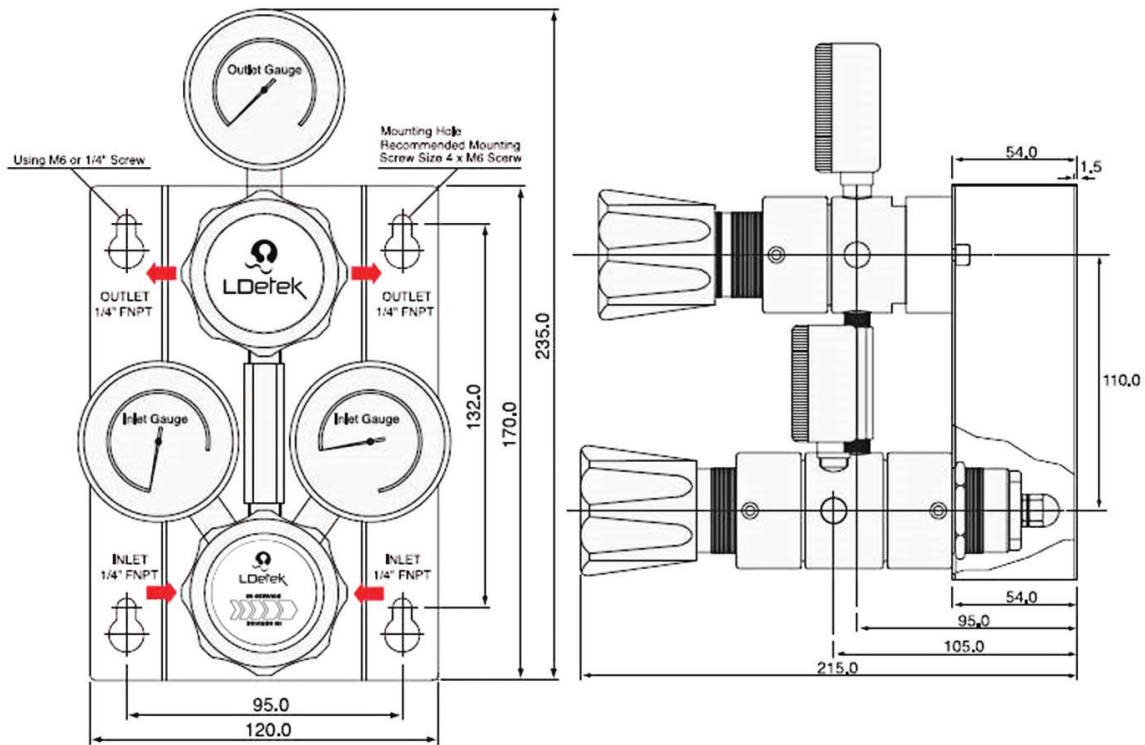
SPECIFICATIONS

PORTS	¼ 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	Come with 2 x one-meter Braided Stainless Steel with CGA580 ends with lok-filters and check valves*
OPTIONAL	Pressure monitoring system (LDPM5) **

*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.

**One pressure sensor mounted on each side of the switchover system, then when one bottle get below the accepted pressure limit, an alarm output is activated.

DIMENSIONS



ORDERING INFORMATION

LDASS	S	010	NP4	S	580	1	LDPMS
Series	Body material	Max outlet pressure	In/Out ports size	Flow capacity	CGA type	Hose length	Options
Standard inlet pressure up to 3500 psig (238 bar)	S: Stainless steel 316L	010: 1-10 bar (1-145 psig)	NP4: ¼ FNPT	S: Cv 0.06	580: CGA580 ends mounted on the flexible hoses	1: 1 meter	LDPMS: Low pressure monitoring system with alarm module with 2 pressure sensors/lcd



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