

SwitchPro™ Automatic Switchover Systems (LPX SwitchPro)



Introduction

Matheson's SwitchPro™ AUTOMATIC Switchover Systems are designed to provide a continuous supply of gas from a cylinder or a bank of cylinders. The SwitchPro™ System safely minimizes repetitive cylinder changeout labor and offers a safe and efficient method of connecting multiple cylinders to a common gas supply line to provide centralized distribution of gas for both high and low purity delivery requirements. Utilizing SwitchPro™ Manifold Systems for the distribution of gas provides greater safety in the cylinder storage area by reducing repetitive cylinder handling and also minimizes the risk of ambient contamination within the gas delivery network.

Applications

- Provide a continuous, uninterrupted supply of gas
- Control gas delivery from cylinders within a centralized distribution system providing safer and more efficient delivery of gas with the flexibility to address customized applications.

Design Features

- Ideal for High (UHP 99.999%+) or Low Purity gas delivery – available in brass or 316 stainless steel materials.
- Provides automated switchover control and gas delivery from '2' or '4' cylinders (standard) or up to '10' cylinders (optional).
- Compact design minimizes wall space consumption.
- Switchover valve indicates cylinder (bank) priority.
- Maximum inlet pressure up to 400 psig.
- Design allows convenient access to all components.
- Cost effective to implement and install.
- Optional features allow customized system design for specific gas delivery applications.

Standard Features

- Selector Valve
- 3 ft. Flex Hoses
- Integral Check Valves
- Inlet Pressure Gauges
- 1/4" Outlet Compression Fitting
- Painted Steel Back Plate
- Line Regulator (4-50 psig)

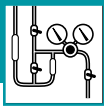
Specifications

- | | |
|--------------------------------|------------------------------|
| • Switchover Panel Dimensions: | 12" W x 14" H |
| • Wetted Components: | Brass or 316 Stainless Steel |
| • Maximum Flow Rate: | 68 slpm |
| • Minimum Inlet Pressure: | 80 psig |
| • Maximum Inlet Pressure: | 400 psig |
| • Switchover Pressure: | 50-60 psig |

Matheson offers a complete line of LPX SwitchPro™ Automatic Switchover Systems. Our standard, most common features are listed above. However, if you don't see what you're looking for, contact a Matheson customer service representative and ask to speak with your local equipment sales support specialist. They can help you configure a LPX SwitchPro™ System that meets your specific requirements.

Options include:

- Up to ten Cylinders
- Rigid Pigtails
- 6 ft. Flex Hoses
- Cylinder Holders
- Certified Leak Test
- Auxiliary Gas Inlet Valve
- 1/8", 3/8" or 1/2" Outlet Compression Fitting
- NFPA Label
- Indicating Pressure Switches
- High Pressure Vent Valves
- Low or High Pressure Isolation Valves
- Manifold Piping with Station Valves



SwitchPro™ Automatic Switchover Systems (LPX SwitchPro) *(continued)*

Standard Gases	CGA	Material	No. of cylinders	Model Number
Propane and Propylene	510	Brass	2	LPX3-B28C
		Stainless Steel	2	LPX4-B28C
		Brass	4	LPX3-B48CN
		Stainless Steel	4	LPX4-B48CN
Nitrogen and Argon Dewars	580	Brass	2	LPX3-B28T
		Stainless Steel	2	LPX4-B28T
		Brass	4	LPX3-B48TN
		Stainless Steel	4	LPX4-B48TN
Carbon Dioxide Dewars	320	Brass	2	LPX3-B28W
		Stainless Steel	2	LPX4-B28W
		Brass	4	LPX3-B48WN
		Stainless Steel	4	LPX4-B48WN
Oxygen Dewars	540	Brass	2	LPX3-B28P
		Stainless Steel	2	LPX4-B28P
		Brass	4	LPX3-B48PN
		Stainless Steel	4	LPX4-B48PN
Nitrous Oxide Dewars	326	Brass	2	LPX3-B28N
		Stainless Steel	2	LPX4-B28N
		Brass	4	LPX3-B48NN
		Stainless Steel	4	LPX4-B48NN
Liquefied Gases (non corrosive)	660	Brass	2	LPX3-B28H
		Stainless Steel	2	LPX4-B28H
		Brass	4	LPX3-B48HN
		Stainless Steel	4	LPX4-B48HN