

# PRESSURE DIFFERENTIAL SWITCHOVER

## SERIES 220



The Series 220 Manifold prevents downtime by automatically switching gas supply from the primary cylinder bank to the reserve cylinder bank. All components are enclosed and protected inside a tamper-resistant case. A green light indicates the primary cylinder bank is functioning and the reserve cylinder bank is ready for service. A red light alerts the user that the unit has changed over and one or both banks are depleted (except on fuel gas units). The user resets the primary bank by turning the lever.

**FOR STANDARD  
GAS CYLINDERS**

- ▶ Integral alarm system is standard, remote A/V alarm optional
- ▶ Master shut off valves included
- ▶ All systems include stainless steel braided pigtails with PTFE lined inner core except helium and hydrogen systems which have a stainless steel inner core
- ▶ Acetylene systems include: 300 SCFH Flashback arrestor, Stainless steel braided pigtails with individual Flashback arrestors and check valves
- ▶ Electrical - 115 volts (AC) except for fuel gas
- ▶ Manifold outlet - 1/2" NPT
- ▶ Relief valve outlet - 1/4" NPT



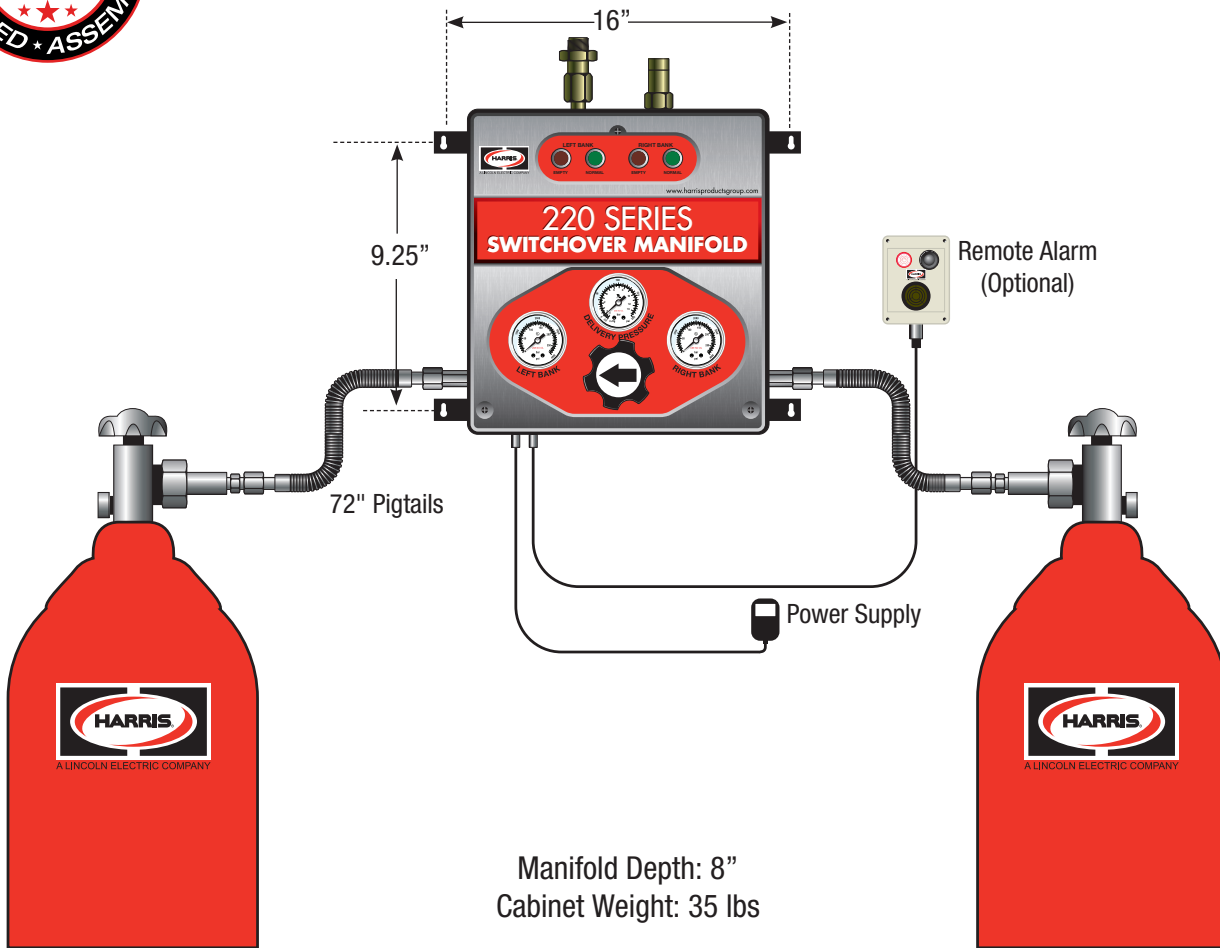
## ORDERING INFORMATION

SERIES	RIGHT HEADER (# cylinders)	LEFT HEADER (# cylinders)	GAS SERVICE
220 Oxy/Inert (30-125 PSIG) Acetylene (0-15 PSIG) LPG (0-30 PSIG)	<b>24" Pigtails</b> 1R 2R 3R 4R	<b>24" Pigtails</b> 1L 2L 3L 4L	320- Carbon Dioxide 326- Nitrous Oxide 346- Air (Breathing) 510A- Acetylene 510- Propane, LPG, Fuel Gases
220HL (30-125 PSIG) For CO <sub>2</sub> and N <sub>2</sub> O, 500 SCFH heater included	<b>36" Pigtails</b> 1R36 2R36 3R36 4R36	<b>36" Pigtails</b> 1L36 2L36 3L36 4L36	300- Acetylene 540- Oxygen 590- Industrial Air 580H- Helium 580- Argon/Nitrogen
220HP (50-200 PSIG) Delivery Pressures up to 235 available upon request			350H- Hydrogen 350- Fuel Gases (Methane)

# Gas Distribution Systems



## 220 TYPICAL LAYOUT



## 220 SPECIFICATIONS

MODEL	MAXIMUM INLET PRESSURE	MAXIMUM FLOW RATE	INTERNAL ADJUSTABLE LINE REGULATOR DELIVERY RANGE
220	3000 PSIG	1200 SCFH	30-125 PSIG
220 (CO <sub>2</sub> , N <sub>2</sub> O)	2000 PSIG	35 SCFH	30-125 PSIG
220 (Acetylene, LPG)	400 PSIG	400 SCFH	0-15, 0-30 PSIG
220HL (CO <sub>2</sub> , N <sub>2</sub> O)	2000 PSIG	500 SCFH	30-125 PSIG
220HP	3000 PSIG	2000 SCFH	50-200 PSIG
220HPL (CO <sub>2</sub> , N <sub>2</sub> O)	2000 PSIG	500 SCFH	50-200 PSIG

