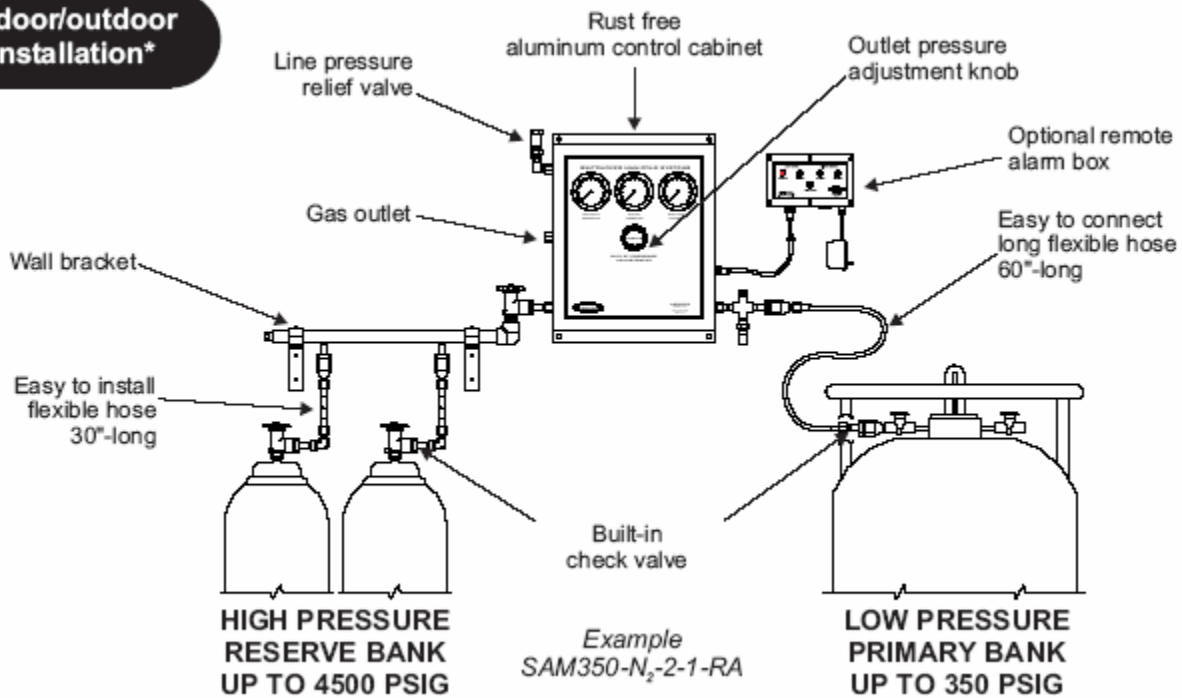




WESTERN INNOVATOR

SAM350 Series

**Indoor/outdoor
Installation***



Description

The Western semi-automatic switchover manifold is designed to provide a back-up supply of high pressure cylinders; where liquid cylinders, gas generators, compressors or stand tanks are used as the primary source of gas.

The system activates the reserve bank when the primary bank's supply drops below the preset pressure. It deactivates when the primary bank has been returned to a pressure above the preset; allowing for the primary source of gas to flow. Monitoring or operator adjustments are not required during the switchover process.

The remote alarm is available as an option.

Standard Features

- Available for Nitrogen, Oxygen, Argon and Carbon Dioxide.
- Audible and visual alarm warnings when the system has switched to the reserve bank (optional).
- Inlet pressure available: up to 350 psig for the primary bank and up to 4500 psig for the reserve cylinder bank
- Rust free aluminum enclosure (stainless steel available).
- Fabricated in accordance with the following standards: CGA, CSA, NFPA, ASME

How To Order - Part Number Matrix

| SA3350 | | | | | |
|--------------|------------------|--|-----------------------------|-----------------------------|-------|
| Basic Series | Service Gas | Inlet Pressure of the Reserve Bank (in psig) | Number of Reserve Cylinders | Number of Primary Cylinders | Alarm |
| | ◇ Argon | | | | |
| | ◇ Nitrogen | | | | |
| | ◇ Carbon Dioxide | ◇ 900 | | | |
| | ◇ Oxygen | ◇ 3000 | | | |
| | | ◇ 4500 | | | |



WESTERN
INNOVATOR

SAM350
Series

SPECIFICATIONS

Description

| | |
|---------------------------------|---|
| Service fluid | Argon, carbon dioxide, nitrogen, oxygen |
| Maximum inlet pressure | Main: up to 350 psig / Reserve: up to 4500 psig |
| Outlet pressure range | 5-125 psig |
| Operating temperature | -34°C to 93°C (-30°F to + 200°F) |
| Pressure gauge size | 2-1/2" |
| Pressure relief valve | 150 psig (1034 Kpa) |
| Inlet connections | Gas related CGA fittings |
| Outlet connections | 1/2" F.NPT |
| Remote audible and visual alarm | Optional |
| Header diameter (Reserve Bank) | 3/4" NPS |

STANDARD MATERIALS OF CONSTRUCTION

| Part Description | Materials of Construction |
|------------------|---|
| Panel | Aluminum |
| Header | Stainless steel 304 (Except for oxygen: brass) |
| Tubing | Stainless steel 316 & copper ASTM B280 |
| Fittings | Stainless steel 304 & brass ASTM B16/B453 |
| Flexible hoses | Innercore: Nylon SAE J517 100R8 - Fittings: steel |
| Valves | Bronze (UNS Alloy 37700) |
| Regulators | Brass body with nitrile diaphragm Brass body with stainless steel diaphragm |
| Relief valve | Brass body, stainless steel spring, brass seat retainer and adjusting screw, PTFE disc |

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