**Installation:**
- Place AirStar in prepared utility site as shown by the Equipment Room Layout of this guide.
- Install leveling feet and level AirStar for installation.
- Install the supplied 5-micron Filter to the tank outlet.
- Connect the 5-micron Filter outlet to the operatory main air line. (Maximum 36 inch distance.)
- If installing a 24V remote switch, refer to the 24V Circuit Connections of this guide.
  Make sure the yellow and orange pressure switch wires are connected when not connecting a 24V remote switch.
- Connect AirStar to facility power.

**Operation:**
- All Control Box switches must be in the ON position when using a 24V remote switch.
- The Control Box power switches are the power control for each motor.

**Note:** Compressor motors are designed to run together. Do not run one head at a time unless one head has failed and you are waiting for service.
- The motor circuit breaker must be kept in the ON position and should not be used as a switch.

**Important:**
- Make sure to install the system in accordance with all local electrical and plumbing codes.
- Make sure that all hose connections are straight and secure without any sharp bends or kinks.
- Refer to the AirStar Installation and Operation Manual, P/N 87109 as necessary for more detailed information.

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**Routine Inspection - Monthly**
- Clean exterior surfaces.
- Check for abnormal noises and air leaks.
- Make sure that no flammable, corrosive, or combustible materials are stored in the equipment room (especially in the area around the equipment).
- Check that pressure switch is operating between 85-115 psi.
- Inspect the Moisture Monitor for a color change:
  - **Blue** indicates that the air in the storage tank is dry.
  - **Pink** indicates a high level of humidity is in the storage tank.
See TROUBLESHOOTING on page 11 of the Installation and Operation Manual to correct this situation.

**Routine Inspection - Yearly**
- Check the Service Indicator on the 5-micron Outlet Filter.
  - **Red** indicates that the filter must be replaced P/N 87168.
  - **Green** indicates no service is required.

**Important:** In dusty environments, the Intake Filter, PN 88931, may need to be changed more often than once a year.

**Filter Replacement - Yearly**
- Replace filters using the preventative maintenance kit for the specific AirStar model listed on page 13 of the Installation and Operation Manual. Replace the filters and associated O-rings in accordance with the instructions provided with the kit.
Equipment Room Layout

<table>
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* Use Hospital Grade Receptacle Only

** Disconnect Needed when Servicing

Remote Air Intake Kit Manifold - Kit includes 2 inch PVC pipe and flexible hose with 70 inches of clear tubing for connection to the air intake of each compressor. See Note 1.

Remote 24 Volt Switch with Pilot Light (sold separately)

Control Cable 18 Gauge 4 Conductor Connect to Pressure Switch. See 24 Volt Circuit Connections.

3/8" FNPT End fitting 1/2" Copper Main Air Line

Air System Plumbing Connection
- ¾" FNPT Shut-off valve and a 6 ft. pressure hose (supplied)
- Air distribution piping for all models - ¼", type "L" or type "K" copper
- If pipe volume is too great, more than 235 ft³ or more than 100 ft of ¾" diameter pipe, a pressure regulator should be installed between the main tank and the distribution piping and set to 80 psi.

Service Clearance
- Allow 12" on all sides for all units

Ambient Temperature
- Must not exceed 105°F
- Must be above 40° F

24 Volt Circuit Connections

Important: Make all remote switch wire connections inside the pressure switch and secure cable with strain relief.

Notes:
1. Use 18 Gauge, 4 conductor, interconnect cable between the AirStar unit and Remote Switch Panel. When any 24V circuit exceeds 150 feet, use 16 Gauge.
2. The fourth conductor of interconnect cable is to be used for future equipment options/enhancements.
3. Connect the associated interconnect cable directly to remote switch. Please note that one switch is used for each compressor.
4. If a remote switch is not used, leave the factory connections.

See Note 3