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# ***Medical Compressed Air Plant & Vacuum Plant***



# Medical Gas Source Equipment



MODEL : MAP Series

## Compressed Air Plant

Dumed Compressed Air Plant is designed, manufactured, assembled, and tested and is delivered ready for operation. Compressed Air Plant is available as simplex, duplex and more as per customer's demand. Air compressor can be provided by Reciprocating, Oil-Free Screw, Scroll for its usage.

- Operation with minimized noise and vibration.
- Adoption of high-precision bearing.
- Minimized maintenance cost.
- Compact and elegant structure.
- High-efficiency intercooler.
- Complies with HTM 2015, 2022, European, NFPA and ISO Standards.

## Air Dryer

Air dryers often help improve overall compressed air plant performance by removing excess moisture in the air. It can be dried the air to the degree required for proper functioning of the end-use equipment.

- Built-in after filter, prevents desiccant fines from going downstream
- Virtually contaminant-free air
- Economical and low maintenance



MODEL : MAD



MODEL :  
MAC-DC1



MODEL :  
MAC-MF

## Aftercooler and Filters

Aftercooler cools the heated compressed air from the compressor to below 40°C and efficiently reduces moisture in the compressed air. The use of materials specifically are developed for this duty, the user enjoys a long service life with constant efficiency.

- Max. operating pressure : 1.0 MPa
- Max. operating temperature : 100°C
- Outlet air temperature : below 40°C
- Built-in drain separator : drained by an auto drain (Optional)
- Compact size and light weight
- High flow capabilities
- Long service life



MODEL : MVP-RV Series

## Vacuum Plant (Rotary vane type)

Dumed Rotary Vane Vacuum Plant is available in the various stages, Vacuum Pump is air cooled and direct driven. This oil-recirculation design is one of the simple and most reliable vacuum pump.

- Automatic and compact Vacuum plants
- Compact, simple design for easy installation.
- No vibration, quiet operation.
- High quality performance.
- Minimized maintenance cost.
- Air cooled, requiring no water.
- Complies with HTM 2015, 2022, European, NFPA and ISO Standards.

## Vacuum Plant (Water Sealed Type)

Dumed Water Sealed Vacuum Plant consists of an impeller and pump casing as body. The impeller shall be installed at close location from the water will be in the same level with ring along the inside wall by the centrifugal force.

- Suitable for the exhaust of gas containing vapor or moisture
- Conduct the best capability in low pressure
- High quality performance
- Working smoothly without any noise
- No vibration
- Cost effective and easy to install
- Complies with HTM 2015, 2022, European, NFPA and ISO Standards.



MODEL : MVP-WR Series



MODEL : MVP-RV-F

## Filters

Filters are installed on exhaust ports of pumps to adsorb remaining air contaminants such as oil aerosols, oil vapors, certain other hydrocarbon vapors, and trace moisture. They also trap all foreign solid particles such as dirt, dust, rust, and pipe scale down to 0.5 microns. In addition, filters can be used for efficient adsorption and removal of organic vapors and aerosols, certain foreign gases and bacteria.

- Absorption Capacity : 99.97% with 0.2 ~ 0.5 Microns
- Housing Material : Carbon Steel