

NCP Series

Nitrogen Control Panel

Specification and Design Guide



Product Characteristics

- Type K Copper tubing;
- Clear anodized control panel box, frame and access panel;
- Manual shut-off ball valve;
- Nitrogen connexion outlet D.I.S.S. type simple or double;
- Inlet pressure gauge 0-300psi;
- Outlet pressure gauge 0-200psi.

Available models:

Simple or double

Specification

Medical Design's Gas Control Panel shall be designed to provide delivery pressure control of piped gases to turbo-surgical tools. The panel shall contain the following:

- An on-off service ball valve rated at 300 psi maximum working pressure, capable of sealing in both directions. Ball seats shall be of Teflon material;
- A self-relieving-type pressure regulator with a 0-200 psi regulating range;
- A 1 1/4" diameter control knob is provided for ease of regulator adjustment;
- A 0-300psi pressure gauge with dial faces increments of 10psi for visual indication of incoming pipeline pressure and 0-300psi pressure gauges to monitor the adjusted delivery pressure to the outlet;
- Type-K copper tube extensions for connections to a 3/8" nominal gas service line and to a remote outlet location;
- An outlet connection valve consisting of a Diameter-Index Safety System (DISS) or a Schrader quick-connect valve.

The entire control panel shall be cleaned as if for oxygen use and appropriately labeled to avoid errors in gas service connections.

Control Panel Design

The control panel front shall be constructed of brush-finished anodized aluminum with a wrap around frame for ease of installation and servicing. A rough-in mounting box shall be included, constructed of clear-anodized extruded aluminum.

Site installation

All Nitrogen Control Panel shall be installed in accordance with Medical Design instructions and approved shop drawings. The mechanical and electrical contractor shall provide the final connection to Hospital System. Contractor has the responsibility to insure that every Nitrogen Control Panel is subject to a final site inspection in compliance with all National, State and Local Codes.