



HIGH FLOW INSUFFLATOR MODEL BRB 1002



INTRODUCTION:

The R&V Medical Equipments BRB 1002 High Flow Insufflator uses the latest sensor technology, with a microprocessed real time control system, both of the intra-abdominal pressure and the insufflation flow, which allows it to deliver a very fast response, making possible highly complex laparoscopic procedures to be performed safely, free of complications, and with a low level of CO₂ absorption by the patient.

These characteristics make it ideal for the creation, control, and maintenance of the “pneumoperitoneum” in laparoscopic surgery, since delivering a high flow of 20 liters per minute, it ensures rapid recovery from leaks present in the complex laparoscopic procedures performed on present days.

In addition, the system ensures the stable maintenance of intra-abdominal pressure in the event of possible overpressure situations, since by monitoring and controlling the pressure in real time, it allows gas to escape through an internal relief valve controlled by the microprocessor, reducing the level of CO₂ absorption by the patient.

The information about the current state of the system is delivered in a clear and compact way through an alphanumeric liquid crystal display in which all the information about the PRESELECTED INTRA-ABDOMINAL PRESSURE, the REAL INTRA-ABDOMINAL PRESSURE, the SELECTED FLOW LIMIT, the CURRENT INSUFLATION FLOW, and the TOTAL VOLUME OF CO₂ INSUFLATED is read, as well as information corresponding to alarm situations that may arise during surgery such as OVERPRESSURE, OBSTRUCTED PATIENT HOSE, and END OF CO₂ CYLINDER.

At the same time, both during the initial startup of the system and during operation, the equipment constantly monitors both the status of the intra-abdominal pressure and insufflation flow sensors, as well as the pneumatic system, generating on the alphanumeric display in the event of any fails, the information about the element that may have a defect, thus providing medical personnel with an updated, correct and safe operation.

The adjustment of all the variables is carried out by means of a membrane keyboard with a practical design that guarantees the operation of the equipment in a simple way by the personnel in the operating room.

All these features make the R&V Medical Equipments BRB 1002 High Flow Insufflator an excellent alternative for developing and performing highly complex laparoscopic procedures.



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- * IDEAL EQUIPMENT FOR LAPAROSCOPIC SURGERY
- * LIQUID CRISTAL ALPHANUMERICAL DISPLAY
- * ALL VARIABLES HIGH PRECISION CONTROL



TECHNICAL FEATURES:

- ✓ All variables and functions electronic control.
- ✓ Selectable abdominal pressure range : 1 - 25 mmHg.
- ✓ Selectable flow limit rate range : 1, 5, 10, 15, 20 liters / minute., with its respective front panel luminous indicators.
- ✓ Liquid crystal alphanumerical display which indicates all parameters :
 - Preset intra-abdominal pressure, between a range of : 1 mmHg. to 25 mm Hg.
 - Actual intra-abdominal pressure, between a range of : - 9 mmHg. to 51 mmHg.
 - Actual insufflation flow, between a range of : 0 to 20 liters / minute.
 - Total insufflated volume, between a range of : 0 to 999.9 liters.
 - Alarms of overpressure, patient line occlusion, and CO2 cylinder empty.
- ✓ Auto-diagnostic subroutine with alarm function in failure case of : Patient pressure sensor, flow sensor, or Pneumatic system.
- ✓ Voltage 110 / 120 Volts A.C. other voltages upon request.