PRESBLOCK (../index.html) (indexEn.html)

BASE BLOCK WITH ADJUSTABLE BOX . USE AND MAINTENANCE HANDBOOK

Conform to en iso 9170-1 standard

General information

Introduction:

Pres Block base blocks OR range are medical devices “CE” marked, built to comply with 93/42/EEC European directive and EN ISO 9170-1 standard. Before using the device, please read this handbook and ensure it is read by authorized operators.

Warranty

Pres Block guarantees the medical devices for 24 months from the date of delivery.

This warranty covers exclusively the repair or free replacement of any components defective for manufacturing reasons.

The replacement or repair of the parts covered by this warranty does not extend the validity of the warranty itself.
The medical device has an expected life of 8 years in normal working conditions, during which 10.000 couplings socket/probe could be done.

Purpose of the manual

Purpose of this handbook is to give indications for the safe use and maintenance of the device.

Destination of use

Pres Block terminal units and accessories have been designed to connect in a safe way medical equipments to the medical gases distribution system.

Marking

Marks on every device are:

• Pres Block logo “PB”, preceded by manufacturer symbol “  ” according to CEI EN 980 standard;

• batch number “XXYYZZ” preceded by the word “LOT”, where “XX” identifies the year of fabrication;

• “symbol of the gas” distributed, according to EN ISO 9170-1 standard;

• possible name of the Customer.

Traceability

Pres Block guarantees the traceability up to its direct Customer, who is liable for guaranteeing the same up to the end user.

Classification and information under 93/42/EEC directive

The medical device:

• is neither for single use, nor sterile;

• does not intentionally contain latex;

• does not incorporate neither medicinal substances, nor biological or animal tissues, nor human blood;

• does not contain phthalates classified as carcinogenic, mutagenic or toxic to reproduction.

Technical information

Base block

The base block is identified depending on the gas.

Materials used are:

• Brass EN12164 - CW614N;

• AISI;

• ABS / PA6,6 GF30;

• NBR / FPM;

• EN 13348 copper pipe – R290.

Technical specs

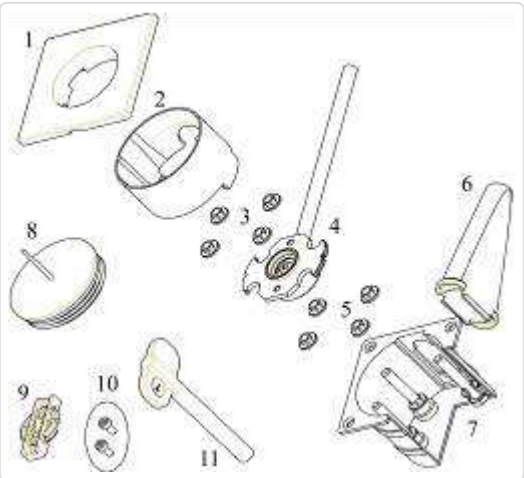
According to ENV 737-6 and EN ISO 9170-1 standards.

Transport and storage

Transport and storage temperatures: -15 ÷ +50 °C
Working temperatures according to EN ISO 9170-1: -20 ÷ +60 °C
Humidity: 10 ÷ 90 %
Atmospheric pressure: 700 ÷ 1060 hPa.

Installation

The medical device must be installed only by expert personnel, strictly according to these instructions.
All the materials used during installation must be compatible with the gases supplied and the materials of the device.
Every precaution must be taken to guarantee and maintain the cleanliness of the device.
Before installation, verify that the device is compatible with the devices connected, especially if supplied by different manufacturers.
Before use, connect the device to equipotential earth.



Perform the following operations in succession:
• couple the fixing ring (2) on the base block (4);
• tighten the 4 nuts (5) on the 4 screws of the box (7) using the supplied key (11) and positioning the hexagons of the nuts (5) towards outside (for their following regulation, if necessary);
• insert the base block (4) in the box (7);
• couple the pipe protection (6) on the box (7);
• braze-weld the pipe of the base block (4) to the plant according to the standards of good practice;
• close the base block (4) with the plug (9) and the screws (10);
• fix the box (7) to the wall by 4 screw anchors (not supplied);
• wall the box (7) protecting the inside with the plug (8);
• adjust the position of the base block (4), operating on the 4 nuts (5) assembled before (max. 2,0 cm);
• tighten the further 4 nuts (3) on the 4 screws of the box (7); • after the assembling of the socket (not supplied) with the screws (10), insert the cover (1) on the box (7) paying attention to the orientation.

Once installation is completed, verify the tightness: no leakages are allowed.
Afterwards testing required by EN ISO 7396-1 standard must be run.

Use

Operation

Pres Block base block is used to connect terminal units to the medical gases distribution plant and grant a gas-specific connection to the socket.
Every base block has a maintenance valve which permits the maintenance of the terminal unit, without shutting down the pipeline system and other terminal units, as required by the EN ISO 9170-1 standard.
For terminal units for vacuum, this maintenance valve is available only upon request.

Safety

Before use, personnel must familiarize with the control devices and their operation.
If the medical device is out of order or in maintenance, disconnect the gas supply and place a visible sign stating “NOT IN SERVICE. DO NOT USE”.
Do not use the medical device for gases or pressures different from that for which it is designed.
Do not crash the probe, in order not to spoil its functionality.
For cleaning use only distilled water or diluted ethyl alcohol.

Maintenance

The maintenance program must envisage a minimum of biannual inspections with particular reference to:
• easy coupling and disconnection;
• wear or damage;
• contamination;
• marking – labelling;
• tightness;
• flow rate according to EN ISO 7396-1.
These operations must be recorded.

During maintenance and repair only original parts must be used.
Every precaution must be taken to maintain the cleanliness.
Once the maintenance is completed, please do all the tests required by EN ISO 7396-1 standard.