

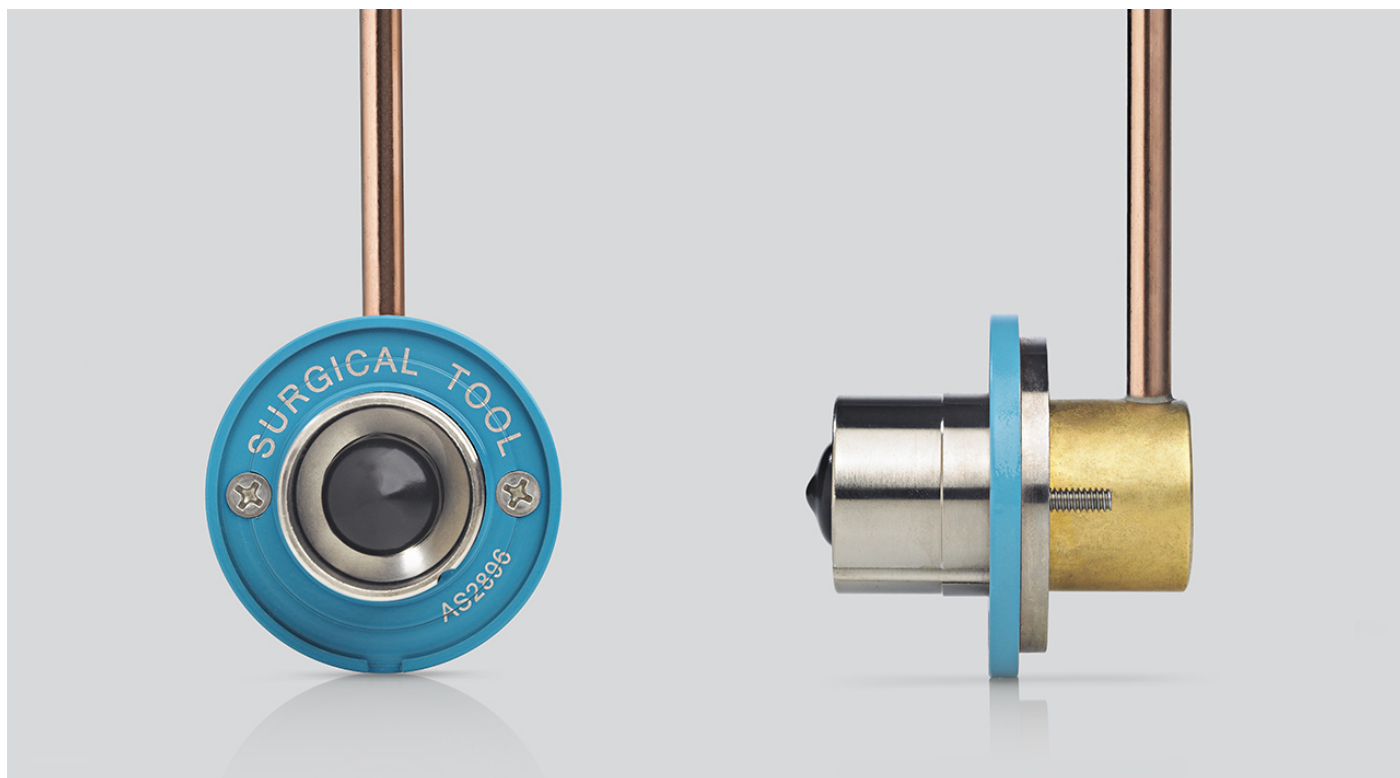
AS 2896 outlets. Use and maintenance handbook

Conform to en iso 9170-1 standard

General information

Introduction

Pres Block AS 2896 outlets are medical devices, built to comply with EN ISO 9170-1 and AS 2896 standards. 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

Components

Available components are:

NAME	CODE	DESCRIPTIONS	MODELS
OUTLET	VGTAS	Socket integrated in the base block.	With fixed copper pipe
		Contains the gas-specific connection point with the probe.	With adjustable copper pipe

Materials used are:

- Brass EN12164 - CW614N;
- Brass EN12164 - CW614N nickel plated;
- EN 13348 copper pipe – R290;
- Aluminium type 2000 or 6000;
- AISI 302;
- NBR / FPM;
- PTFE.

Technical specs

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

Transport and storage

Transport and storage temperatures: $-15 \div +50$ °C

Working temperatures according to EN ISO 9170-1: $-20 \div +60$ °C

Humidity: $10 \div 90$ %

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.

Sockets



Perform the following operations in succession:

- weld the outlet to the supply copper pipe, according to the standards of good practice;
- clean the line with carbon dioxide or nitrogen;
- fix the outlet to the wall, by locking the plate between.

Probes

Probe with barb end terminal IGT...PG...

Perform the following operations in succession:

- fix the barb end to the flexible hose (I/D 6 or 8 mm.) with a suitable single-use clip or crimped ferrule, according to EN ISO 5359 standard.

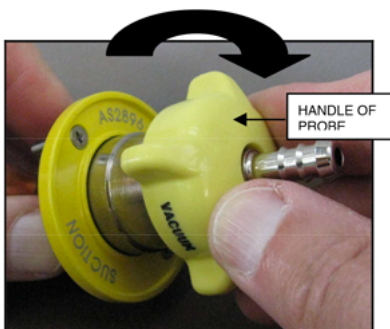
Probe with threaded terminal IGT...F... and IGT...M... Perform the following operations in succession:

- fix the threaded terminal granting the tightness with a suitable O-ring or PTFE tape.

Once the installation is completed, please verify the tightness: no leakage is allowed.

Afterwards please do all the tests required by EN ISO 7396-1 standard.

Functioning



Outlet/Probe Connection

1. Verify that the outlet and the probe are designed for the same gas and that they comply with the same standard;
2. Grasp the handle of the probe and screw it clockwise, into the outlet;
3. Release the probe, on verifying that it remains locked in the outlet.

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.