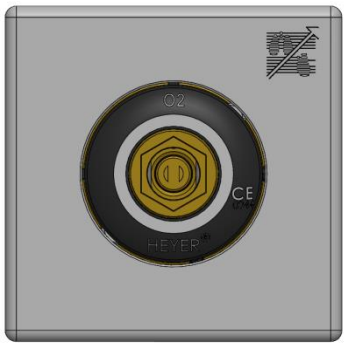
Instruction for Use
Outlet (Plug-in connection) for medical gases and vaccum in acc. to DIN 13260-2 & DIN EN ISO 9170-



Please Note!!!
The information and technical details mentioned in this documentation reflect the status at the time of printing. Depending on the state of design and development, there may be differences between the illustrations in the instructions for use and the product´s actual appearance. This does not affect the accuracy of the information, instructions, and the operating procedures described.

The product may only be used by people who are familiar with the medical device's basic functions.
The instructions for use are intended for medical and specialized technical personnel. Serious incidents related to the product must be reported to the manufacturer and the competent authority of the Member State where the user is established.

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2. Introduction

Dear customer,

Thank you for choosing a Heyer Aerotech GmbH product!

Please read the instructions for use before using the product!

These „Instructions for use apply to our product:

Outlet (Plug-in connection) for medical gases and vaccum *(in all variants)*

The information listed below will help you quickly familiarize yourself with our product, features and operation.

Our product has been produced in accordance with all currently applicable standards and directives (etc. DIN 13260-2, DIN EN ISO 9170-1) and correspond to the current state of the art.

IMPORTANT NOTE!
There are no warranty claims for damage or malfunction caused by improper assembly, transport, storage or use !

3. Intended purpose

Outlets (Plug-in connections) are suitable for the extraction of medical gases and vacuum from the central gas supply network in rooms used for medical purpose.

3.1 Variants

Character	Trait
Type of gas	Oxygen (O_2) / Compressed air (Air) / Nitrous oxide (N_2O) / Carbon oxid (CO_2) / Vacuum (Vac) / Air (Air 800)
Mounting	Solid wall / lightweight wall / ceiling supply unit / bed supply unit / intensive care unit
Colour coding	ISO / Neutral

3.2 Functional description

The HEYER Aerotech outlet (plug-in connection) has been designed in such a way that the user is able to establish a safe connection between nipple and outlet.
In addition, the design of the outlet (plug-in connection) prevents confusion between the different types of gas.

IMPORTANT NOTE!
Risk of patient and operator injuries due to outlet (plug-in connection) failure!

According to DIN EN ISO 7396-1 standard, the following test, amaong others, must be carried out prior to initial commissioning

- **leckage test**
- **gas type test**
- **examination for contamination**

If there are any complaints during the inspection, the plug-in connector cannot be put into operation!

4. Operation

Low-pressure hose systems as well as directly insertable medical devices can be directly connected to an outlet (plug-in connection)

4.1 Engaging

NOTE:
Fire hazard! Ensure that the outlet and plug –in connector never gets in contact with oil, fat or flammable liquids.

NOTE:
Please observe the detailed user instructions supplied with the product used in combination with the outlet / plug-in connector

NOTE:
Make sure that the plug-in nipple / the device to be connected is intact! Damaged outlets /plug-in nipples can cause malfunctions!

Before using, ensure that the gas type of the low-pressure hose system / plug-in nipple corresponds to the gas type of the outlet (plug-in connection point) and / or that the low-pressure hose is tightly connected to the medical device.

When plugging in the device to be connected or when plugging the connector into the outlet it **is not** necessary to manually operate the outlet.
The connector or the device is simply connected by softly plugging it into the wall outlet.

4.2 Disengaging or unlocking / park position

By pressing the push button, the nipple will be released from the locking rolls. The plug is now held in the park position, which allows the plug-in nipple to be parked in the gas sampling point even without gas sampling.

NOTE:
Holding down the pushbutton does not trigger a release!

The self-closing valve is closed in this state, i.e. the gas or vacuum flow is interrupted.
By a pull of the connector or of the device the nipple can now be removed.

5. Technical data

Technical data	
Gas type	Medical oxygen (O2) / Compressed air (Air) / Nitrous oxide (N2O) / Carbon dioxide (CO2) / Nitrogen (N2) / Compressed air for operating surgical tools (Air 800) & Vacuum (Vac)
Operating pressure med. gases	450 kPa ± 50 kPa
Operating pressure vaccum	Absolute pressure < 60 kPa
Operating pressure Air 800	800 kPa +200 kPa -100 kPa
Safety facilities	Gas type-secured standard plug according to DIN EN ISO 13260-2
Storage conditions	Temperature: -20 to 60 °C Rel. humidity: 5-95 %
Operating conditions	Temperature: -20 to 60 °C Rel. humidity: 5-95%
Material	Stainless steel, HDPE, brass, nickel-plated brass, NBR, PA6 GF, silicone
GMDN-Code	36271
Classification	Class IIa

6. Cleaning

NOTE:
Ensure that no liquids penetrate the individual components!

The following listed measures must be run through before the wall rail is used for the first time and whenever this is required for a clinical and hygienic point of view. For cleaning and disinfection can only cleaning products that do not attack metals (Stainless steel) used

- Remove dirt immediately. Use a dampened cloth with disinfectant to remove it
- After using the disinfectants, dry up any remaining
- Check products for any visible dirt. If any repeat the above steps.
- Check the product for visible damage and replace if necessary

NOTE:
Pay attention the hygiene regulation of the hospital / operator!!

6.1 Disinfections

We recommend surface disinfections products or quick disinfectants for medical devices from the neoform MED series from Dr. Weigert or other suitable means from the current list of the VAH (Association for Applied Hygiene).

7. Inspection / Maintance

Repairs and periodic inspection should be performed by a qualified expert who is familiar with the product. For the purpose of above actions it is necessary to have suitable testing equipment and original spare parts.

The following maintenance work must be carried out regularly

IMPORTANT NOTE:

- A check of the tightness and functionality of the outlet (plug-in connection) must be carried out every six months! Defective parts are replaced if necessary. Apply only original spare parts for replacement.
- The O-rings of the outlet (plug-in connection) are to be replaced recurrently every eight years

For maintenance operations, it is recommended to conclude a maintenance contract with Heyer Aerotech or a customer service authorized by Heyer Aerotech.

NOTE!
With the Heyer Aerotech outlet, maintenance work can also be performed at any time under operating pressure, i.e. without interrupting the medical gas supply.

The outlet (plug-in connection) is subject to a visual inspection regularly.
During the inspection, the outlet (plug-in connection) must be checked for integrity.

If defects are discovered, do not take the outlet (plug-in connection) into operation.

7.1 Repair

Any repairs may only be performed by qualified and authorized personnel.

8 Manufacturer

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