

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:

AGSS *(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 (e.g. DIN 13260-2, DIN EN ISO 9170-2)..

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

3. Intended Purpose

The anaesthetic gas scavenging system (AGSS) is used to safely extract excess anaesthetic gases from the vicinity of anaesthesia workstations and transport them via a separate pipe or duct to the outside

3.1 Variants

Character	Trait
Mounting	Surface mounting / Solid wall / lightweight wall / ceiling supply unit / bed supply unit / intensive care unit / duct mounting

4. Functional description

The AGSS operates with drive gas from the central supply system. By coupling the gas type-specific plug, drive gas is supplied to the integrated transvector, which generates a negative pressure. The extracted anaesthetic gas including the propellant air of the transvector is sucked off and led into the open air.
A non-return valve prevents the anaesthetic gas from flowing back out of the exhaust line.

4.1 Engaging

NOTE:
Fire hazard! Ensure that AGSS 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 AGSS

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

Before using, ensure that the gas type of plug-in nipple corresponds to the AGSS. Only connectors that comply with DIN EN ISO 9170-2 can be coupled into the AGSS.

When plugging the connector into the AGSS it **is not** necessary to manually operate the outlet.

The green colouring of the indicator shows that the AGSS is ready for operation.

4.2 Disengaging or unlocking

By pressing the push-button and simultaneously pulling the plug, the plug is disengaged.
Therefore, the drive gas supply to the transvector is interrupted. The green indicator is no longer visible.

NOTE:
With the AGFS plug engaged, there is continuous consumption of the drive gas

5. Technical Data

Technical Data	
Type of tapping point	1 L
Extraction capacity	0 – 80 l/min
Air consumption	Max. up to 50 l/min
Suction volume	Max. 80 l/min
Drive gas	Medical compressed air / Compressed air / Nitrogen (N2)
Operating pressure	400 to 800 kPa
Connection	Drive gas: Cu-pipe 8 x 1 mm
	Exhaust air: Cu-pipe 15 x 1 mm
Operating conditions	Temperature: 15 bis 50 °C Rel. humidity: 5-95%
Material	Aluminium, stainless steel, brass, nickel-plated brass, NBR, silicone
Weight	Surface-mounted: 2100 g
	Flush-mounted: 1850 g
	Ceiling supply unit: 670 g
Classification	I

6. Cleaning

NOTE:
Ensure that no liquids penetrate the individual components!

The following listed measures must be run through before the AGSS 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.

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

6.1 Disinfection

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 / Maintenance

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 AGSS 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 AGSS 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

NOTE!
Maintenance work should not be be carried out under operating pressure!

The AGSS is subject to a visual inspection regularly.
During the inspection, the AGSS must be checked for integrity.

If defects are discovered, do not take the AGSS into operation

8. Accessories

Item no.	description
0222966	Probe for AGSS type 1 - straight
0222965	Probe for AGSS type 1 – 45° angled

9. Manufacturer

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