

MEDICAL DEVICES BY GREGGERSEN



CATALOG SUCTION UNITS



there is no substitute

Vacuum regulator Sparrow - plug-in units

VACUUM OPERATED

APPLICATIONS

Medical vacuum regulator for suction dosing.

With vacuum gauge, fine dosing and quick-action stop valve.

Plug-in unit for direct coupling to a DIN outlet.

The fine dosing valve offers infinitely variable vacuum.

The manometer's display is visible to the user at the front.

All Sparrow regulators meet DIN EN ISO 10079-3 specifications.

TECHNICAL DATA

Design:	Sparrow vacuum regulator: bypass regulator
Other:	Spring-loaded membrane regulator, brass, chrome-plated
Medium:	Vacuum
Inlet:	Plug connector in accordance with DIN 13 260-2 – gas-specific
Primary pressure:	Min. -60 kPa (in accordance with DIN EN ISO 7396-1)
Outlet:	9/16"-18 UNF with vacuum nozzle
Dimensions (WxHxD)/weight:	60 x 155 x 100 mm / 660 g (Sparrow -90) 50 x 155 x 160 mm / 855 g (High-Sparrow -90) 55 x 165 x 160 mm / 950 g (Sparrow -16) 55 x 165 x 160 mm / 950 g (Sparrow -10)

PERFORMANCE PARAMETERS

	Suction adjustable between	Suction flowrate
Sparrow -90	-20 and -90 kPa	min. 20 l/min at -90 kPa
High Sparrow -90	0 and -90 kPa	min. 24 l/min at -90 kPa
Sparrow -16	0 and -16 kPa	min. 10 l/min at -16 kPa
Sparrow -10	0 and -10 kPa	min. 8 l/min at -10 kPa



Sparrow -90



High-Sparrow -90



Sparrow -16



Sparrow -10

VACUUM REGULATORS SPARROW, VAC, PLUG-IN UNITS

Sparrow -90 vacuum regulator, VAC, -20 to -90 kPa, plug-in unit, DIN	900.900
High-Sparrow -90 vacuum regulator, VAC, 0 to -90 kPa, plug-in unit, DIN	900.897
Sparrow -16 vacuum regulator, VAC, 0 to -16 kPa, plug-in unit, DIN	900.899
Sparrow -10 vacuum regulator, VAC, 0 to -10 kPa, plug-in unit, DIN	901.915

Vacuum regulator Sparrow - rail-mounted units

VACUUM OPERATED

APPLICATIONS

Medical vacuum regulator for suction dosing.

With vacuum gauge, fine dosing and quick-action stop valve.

Rail-mounted unit, incl. rail clamp for attaching to a standard wall-mounted rail (25x10 mm or 30x10 mm).

Vacuum inlet integrated into the rail clamp (NIST).

The fine dosing valve offers infinitely variable vacuum.

The manometer's display is visible to the user at the front.

All Sparrow regulators meet DIN EN ISO 10079-3 specifications.

TECHNICAL DATA

Design:	Sparrow vacuum regulator: bypass regulator
Other:	Spring-loaded membrane regulator
	Rail clamp with knurled nut, brass, chrome-plated
Medium:	Vacuum
Inlet:	NIST – gas-specific in accordance with DIN EN 15908
Primary pressure:	Min. -60 kPa (in accordance with DIN EN ISO 7396-1)
Outlet:	9/16"-18 UNF with vacuum nozzle
Dimensions (WxHxD)/weight:	60 x 155 x 100 mm / 1035 g (Sparrow -90)
	50 x 155 x 160 mm / 1230 g (High Sparrow -90)
	55 x 165 x 160 mm / 1325 g (Sparrow -16)
	55 x 165 x 160 mm / 1325 g (Sparrow -10)

PERFORMANCE PARAMETERS

	Suction adjustable between	Suction flowrate
Sparrow -90	-20 and -90 kPa	min. 20 l/min at -90 kPa
High-Sparrow -90	0 and -90 kPa	min. 24 l/min at -90 kPa
Sparrow -16	0 and -16 kPa	min. 10 l/min at -16 kPa
Sparrow -10	0 and -10 kPa	min. 8 l/min at -10 kPa



Sparrow -90



High-Sparrow -90



Sparrow -16



Sparrow -10

SPARROW VACUUM REGULATOR, VAC, RAIL-MOUNTED UNIT, NIST, WITHOUT CONNECTING HOSE

For connecting hose, see product group accessories

Sparrow -90 vacuum regulator, VAC, -20 to -90 kPa, rail-mounted unit, NIST	902.622
High-Sparrow -90 vacuum regulator, VAC, 0 to -90 kPa, rail-mounted unit, NIST	902.623
Sparrow -16 vacuum regulator, VAC, 0 to -16 kPa, rail-mounted unit, NIST	902.624
Sparrow -10 vacuum regulator, VAC, 0 to -10 kPa, rail-mounted unit, NIST	902.675

Vacuum regulator Woodpecker - plug-in units

COMPRESSED-AIR OPERATED

APPLICATIONS

Medical vacuum regulator ejector is based on a compressed air ejector for regulation of suction; with vacuum meter, fine control valve and quick action stop valve; Plug unit for direct connection to a DIN outlet; With the fine control valve it is possible to regulate the vacuum infinitely.

The optional sterile-filter works like a silencer.

All Woodpecker regulators meet DIN EN ISO 10079-3 specifications.

TECHNICAL DATA

Design:	Vacuum generation using the ejector principle. Brass, chrome-plated.
Medium:	Compressed air (AIR)
Inlet:	Plug connector in accordance with DIN 13260-2 – gas-specific
Primary pressure:	450 kPa \pm 100 kPa (in accordance with DIN EN ISO 7396-1)
Outlet:	9/16"-18 UNF with vacuum nozzle
Dimensions (WxHxD) /Weight:	110 x 160 x 110 mm / 700 g (Woodpecker -90 / Woodpecker -60) 120 x 160 x 110 mm / 800 g (Woodpecker -16) 120 x 160 x 110 mm / 800 g (Woodpecker -10)

PERFORMANCE PARAMETERS

	Suction adjustable between	Suction flowrate	Compressed air consumption
Woodpecker -90	0 and -90 kPa	min. 20 l/min at -90 kPa	max. 30 l/min at -90 kPa
Woodpecker -60	0 and -60 kPa	min. 25 l/min at -60 kPa	max. 30 l/min at -60 kPa
Woodpecker -16	0 and -16 kPa	min. 10 l/min at -16 kPa	max. 20 l/min at -16 kPa
Woodpecker -10	0 and -10 kPa	min. 8 l/min at -10 kPa	max. 15 l/min at -10 kPa



Woodpecker -90



Woodpecker -60



Woodpecker -16



Woodpecker -10

WOODPECKER VACUUM REGULATOR , AIR, PLUG-IN UNIT

Woodpecker -90 vacuum regulator, AIR, 0 to -90 kPa, plug-in unit, DIN	900.960
Woodpecker -90 vacuum regulator, combined AIR/O ₂ , 0 to -90 kPa, plug-in unit, DIN	900.957
Woodpecker -60 vacuum regulator, AIR, to -60 kPa, plug-in unit, DIN	901.590
Woodpecker -60 vacuum regulator, combined AIR/O ₂ , to -60 kPa, plug-in unit, DIN	901.591
Woodpecker -16 vacuum regulator, AIR, 0 to -16 kPa, plug-in unit, DIN	900.958
Woodpecker -10 vacuum regulator, AIR, 0 to -10 kPa, plug-in unit, DIN	901.914

Woodpecker vacuum regulator - rail-mounted units

COMPRESSED-AIR OPERATED

APPLICATIONS

Medical vacuum regulator ejector is based on a compressed air ejector for regulation of suction;
with vacuum meter, fine control valve and quick action stop valve;

Rail unit incl. rail clamp for attaching to a rail system for supporting medical equipment in line with DIN EN 12218 (25x10mm or 30x10mm);

vacuum inlet integrated into the rail clamp (NIST). With the fine control valve it is possible to regulate the vacuum infinitely. The optional sterile-filter works like a silencer.

All Woodpecker regulators meet DIN EN ISO 10079-3 specifications.

TECHNICAL DATA

Design:	Vacuum generation using the ejector principle. Brass, chrome-plated.
Medium:	Medical compressed air (AIR)
Inlet:	NIST – gas-specific in accordance with DIN EN 15908
Primary pressure:	450 kPa \pm 100 kPa (in accordance with DIN EN ISO 7396-1)
Outlet:	9/16"-18 UNF with vacuum nozzle
Dimensions (WxHxD) / weight:	110 x 160 x 115 mm / 1070 g (Woodpecker -90 / Woodpecker -60) 120 x 160 x 115 mm / 1170 g (Woodpecker -16) 120 x 160 x 115 mm / 1170 g (Woodpecker -10)

PERFORMANCE PARAMETERS

	Suction adjustable between	Suction flowrate	Compressed air consumption
Woodpecker -90	0 and -90 kPa	min. 20 l/min at -90 kPa	max. 30 l/min at -90 kPa
Woodpecker -60	0 and -60 kPa	min. 25 l/min at -60 kPa	max. 30 l/min at -60 kPa
Woodpecker -16	0 and -16 kPa	min. 10 l/min at -16 kPa	max. 20 l/min at -16 kPa
Woodpecker -10	0 and -10 kPa	min. 8 l/min at -10 kPa	max. 15 l/min at -10 kPa



WOODPECKER VACUUM REGULATOR, AIR, RAIL-MOUNTED UNIT, NIST, WITHOUT CONNECTING HOSE

For connecting hose, see product group accessories

Woodpecker -90 vacuum regulator, AIR, 0 to -90 kPa, rail-mounted unit, NIST	902.625
Woodpecker -90 vacuum regulator, combined AIR/O ₂ , 0 to -90 kPa, rail-mounted unit, NIST	902.627
Woodpecker -60 vacuum regulator, AIR, to -60 kPa, rail-mounted unit, NIST	901.592
Woodpecker -60 vacuum regulator, combined AIR/O ₂ , to -60 kPa, rail-mounted unit, NIST	901.593
Woodpecker -16 vacuum regulator, AIR, 0 to -16 kPa, rail-mounted unit, NIST	902.626
Woodpecker -10 vacuum regulator, AIR, 0 to -10 kPa, rail-mounted unit, NIST	902.672

Varioport Sparrow -90 suction unit

VACUUM OPERATED

APPLICATIONS

Medical, portable vacuum suction unit for 2 drainage containers.

Universal fittings for all container types. Commercially available containers between 0.5 and 3.0 litres from various manufacturers can be accommodated (e.g. Serres, Abbott, Medela, Ardo, Cardinal and many other makes).

The carrying frame has a stable handgrip and fitting for 25x10 mm and 30x10 mm standard wall-mounted rails. The vacuum regulator is located at the front, which affords the user rapid and direct access.

The NIST gas inlet is located at the back of the unit, such that the supply hose is outside the working area.

All Sparrow regulators meet DIN EN ISO 10079-3 specifications.

SCOPE OF DELIVERY

- Vacuum regulator with fine dosing and quick-action valve
- Vacuum gauge
- Carrying frame, coated
- 2 x highly flexible holding cuffs

TECHNICAL DATA

Gas type:	Vacuum - VAC
Connector:	NIST (gas-specific in accordance with DIN EN 15908)
Outlet:	9/16" - 18 UNF with vacuum nozzle
Performance parameters:	Adjustable between -20 and -90 kPa
Weight:	Ca. 3 kg (without container)



VARIOPORT SPARROW SUCTION UNIT, WITHOUT CONNECTING HOSE

Varioport Sparrow suction unit, VAC, -20 to -90 kPa, NIST	902.120
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ACCESSORIES FOR VARIOPORT SPARROW SUCTION UNITS

Varioport cuffs, 2 per pack	902.125
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Varioport Woodpecker -90 suction unit

COMPRESSED-AIR OPERATED

APPLICATIONS

Medical, portable compressed air suction unit for 2 drainage containers.

Universal fittings for all container types. Commercially available containers between 0.5 and 3.0 litres from various manufacturers can be accommodated (e.g. Serres, Abbott, Medela, Ardo, Cardinal and many other makes).

The carrying frame has a stable handgrip and fitting for 25x10 mm and 30x10 mm standard wall-mounted rails. The vacuum regulator is located at the front, which affords the user rapid and direct access.

The NIST gas inlet is located at the back of the unit, such that the supply hose is outside the working area.

All Woodpecker regulators meet DIN EN ISO 10079-3 specifications.

SCOPE OF DELIVERY

- Compressed air ejector with fine dosing and quick-action valve
- Vacuum gauge
- Carrying frame, coated
- 2 x highly flexible holding cuffs

TECHNICAL DATA

Gas type:	Compressed air - AIR
Connector:	NIST (gas-specific in accordance with DIN EN 15908)
Outlet:	9/16" - 18 UNF with vacuum nozzle
Performance parameters:	Adjustable between 0 and -90 kPa
Weight:	Ca. 3 kg (without container)



VARIOPORT WOODPECKER SUCTION UNIT, WITHOUT CONNECTING HOSE

Varioport Woodpecker suction unit, AIR, -20 to -90 kPa, NIST	902.121
Varioport Woodpecker suction unit, AIR/O ₂ , -20 to -90 kPa, NIST	902.122

ACCESSORIES FOR VARIOPORT WOODPECKER SUCTION UNITS

Varioport cuffs, 2 per pack	902.125
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Mobile suction unit

VACUUM OPERATED / COMPRESSED-AIR OPERATED

APPLICATIONS

Medical, mobile surgical suction unit for vacuum or compressed air operation, including regulator for suction dosing, fine dosing and quick-action valve, mobile frame accommodates 2 x 5 litre bottles (drainage bottles with integrated overflow protection).

A rail clamp is integrated into the drainage bottle's lid, making it possible to attach it to a standard wall-mounted rail. The fine dosing valve offers infinitely variable vacuum. The manometer's display is visible to the user at the front.

The complete unit is mounted on a mobile frame. The NIST vacuum or compressed air inlet is integrated into the rail clamp.

All Sparrow and Woodpecker regulators meet DIN EN ISO 10079-3 specifications.

TECHNICAL DATA

Design:	Mobile frame (4 rollers, 2 with brakes), stainless steel Regulator: brass, chrome-plated
Medium:	Vacuum or compressed air
Inlet:	NIST (gas-specific in accordance with DIN EN 15908)
Primary pressure:	Min. -60 kPa (vacuum operation) 450 kPa \pm 50 kPa (compressed air operation)
Outlet:	9/16" - 18 UNF with vacuum nozzle
Performance parameters:	Adjustable between 0 and -90 kPa
Suction:	Min. 20 l/min at -90 kPa (under vacuum operation: depending on the central gas supply system)
Drainage bottle:	2 x 5 l
Material:	PVC, can be sterilised up to 134 °C
Outlet:	6 mm hose nozzle for silicone hose
Dimensions/weight:	500 x 850 x 400 mm / 7 Kg
(WxHxD)	
Empty container:	1.2 Kg



SUCTION UNIT, MOBILE WITHOUT CONNECTING HOSE For connecting hose, see product group accessories

Suction unit, mobile, with 2 x 5 l bottles, VAC, NIST	902.635
Suction unit, mobile, with 2 x 5 l bottles, AIR, NIST	902.634

ACCESSORIES FOR MOBILE SUCTION UNIT

Mobile frame for suction unit, 4 rollers, 2 x standard 25x10 mm wall-mounted rail	900.903
Drainage bottle, 1 l	110.036
Drainage bottle, 2 l	110.037
Drainage bottle, 3 l	110.038
Drainage bottle, 5 l	110.039
Bottle Lid with grip	110.040
Hose quick coupling, coloured	110.043
Hose quick coupling, clear	110.045
Drainage hose 8/14mm	110.046
Drainage hose holder	110.064

Water vacuum regulator

VACUUM OPERATED

APPLICATIONS

Used in continuous drainage for fine adjustment of vacuum by means of water column's height.

With an integrated control valve. Available as a plug-in unit for direct connection to a vacuum outlet or as a rail-mounted unit, NIST inlet.

The vacuum is enabled via the integrated control valve and the suction needed for suction is generated.

As soon as air bubbles become visible at the lower end of the immersion tube, the low pressure set via the immersion tube has been reached.

If no vacuum is available, it can be generated via an ejector from compressed air. See under Woodpecker regulators.

TECHNICAL DATA

Design:	Water vacuum gauge with immersion tube Water tubes: Plexiglas, Regulator unit and caps: brass, chrome-plated
Medium:	Vacuum
Inlet:	Plug-in connector: in accordance with DIN 13260-2 – gas-specific
Rail:	NIST (gas-specific in accordance with DIN EN 15908)
Primary pressure:	Min. -60 kPa (vacuum operation)
Outlet:	9/16" - 18 UNF with vacuum nozzle
Performance parameters:	infinitely variable between 0 and -40 cm H ₂ O
Suction flowrate:	Min. 10 l/min at -40 cm H ₂ O depending on the central gas supply (ca. 1 cm H ₂ O ~ 1 mbar ~ 0.1 kPa)
Dimensions (WxHxD)/weight:	95 x 570 x 115 mm / 1360 g

WATER VACUUM REGULATOR, VAC, 0 TO -4 kPa (for connecting hose, see product group accessories)

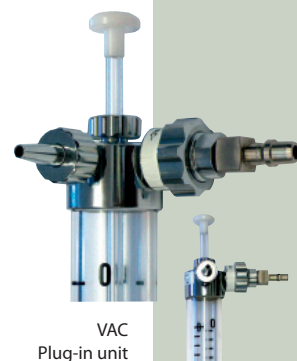
Water vacuum regulator, VAC, 0 to -4 kPa, plug-in unit, DIN	904.905
Water vacuum regulator, VAC, 0 to -4 kPa, rail-mounted unit without connecting hose	902.630

ACCESSORIES REQUIRED FOR OPERATION VIA COMPRESSED AIR EJECTOR

Vacuum connecting hose, complete with screw joint, 0.5 m long	900.359
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WATER VACUUM REGULATOR ACCESSORIES, VAC

Repair kit for water vacuum regulators	900.440
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Accessories

FOR SPARROW AND WOODPECKER VACUUM REGULATORS

ACCESSORIES FOR VACUUM REGULATORS, VAC

Hose connector for vacuum unit with 9/16" union nut	900.628
Repair kit for High-Sparrow -90	900.438
Repair kit for Sparrow -16 + Sparrow -10	900.439

ACCESSORIES FOR WOODPECKER EJECTOR VACUUM REGULATORS, AIR

Sterile filter / noise absorber for ejector	110.048
Hose connector for vacuum unit with 9/16" union nut	900.628
Repair kit for Woodpecker -90 + Woodpecker -60	900.436
Repair kit for Woodpecker -16 + Woodpecker -10	900.437

MANOMETER VIEWING WINDOW

Manometer viewing window, Woodpecker-16 / Sparrow-16, 50 mm diameter, 10 per pack	900.317
Manometer viewing window, Woodpecker-10 / Sparrow-10, 63 mm diameter, 10 per pack	900.318

DRAINAGE OVERFLOW BOTTLE

Drainage overflow bottle (250 ml) to protect the vacuum regulator against excessive suction of drained or body fluids.



TECHNICAL DATA

Inlet: 9/16" union nut
 Material: Head: brass, chrome-plated
 Bottle: Apec®, 0.25 l (can be sterilised up to 134 °C)
 Outlet: vacuum nozzle

DRAINAGE OVERFLOW BOTTLE

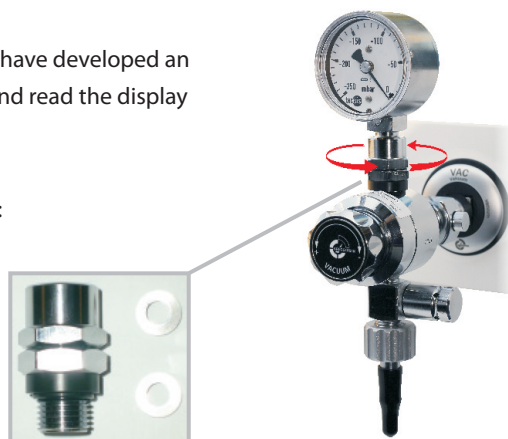
OVERFLOW BOTTLE, VACUUM	900.910
OVERFLOW BOTTLE, AIR	900.911

ROTATING MANOMETER ADAPTER

In order to offer our customers individual solutions, we have developed an adapter that allows the user to rotate the manometer and read the display from any desired position.

You can upgrade your existing equipment, for example:

- VAC-operated suction units
- AIR-operated suction units
- Compressed gas regulator
- Equipment with 1/4" manometer connector



ROTATING MANOMETER ADAPTER

Rotating manometer adapter	904.030
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Greggersen product range

HOSES, COMBINED UNITS ETC

ANGLE PLUGS WITH HOSE

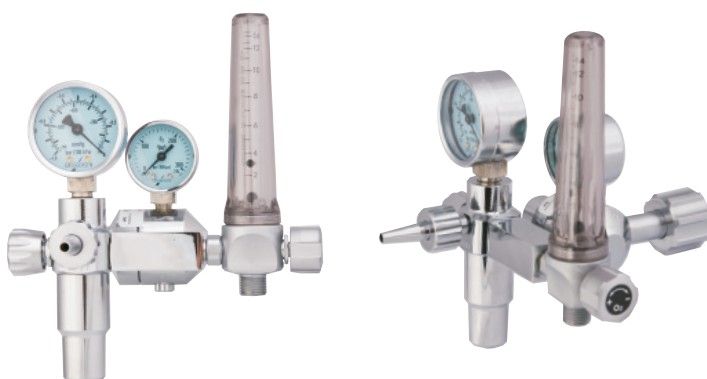
Low-pressure hose system for medical gases. For coupling into a gas outlet.
Colour coding: neutral or ISO 32.



HAWK MEDICAL COMBINED UNITS

You can find further medical suction products in our Medical Combined Units catalogue, including e.g. the Hawk suction and insufflation unit for direct connection to oxygen bottles.

Combined units are small, mobile supply units for use wherever a central oxygen supply is not possible, for example during in-hospital transport and emergency medical care. The units have an impressively compact design, combining suction and insufflation functions.



greggersen gasetechnik gmbh | bodestrasse 27-29 | 21031 hamburg | germany

fon: +49 (0)40 - 73 93 57 - 0 | fax: +49 (0)40 - 73 93 57 - 39 | info@greggersen.com | www.greggersen.com



there is no substitute

EG-KONFORMITÄTSERKLÄRUNG

entsprechend Anhang II der Richtlinie 93/42/EWG über Medizinprodukte

EC DECLARATION OF CONFORMITY

according to annex II of the Council Directive 93/42/EEC concerning medical devices

Wir erklären in alleiniger Verantwortung, dass die unten bezeichneten Produkte den einschlägigen Bestimmungen der Richtlinie 93/42/EWG über Medizinprodukte entsprechen.

We declare under our sole responsibility that the products mentioned below meet the provisions of the Council Directive 93/42/EEC concerning medical devices.

Medizinisches Flowmeter Kolibri Medical Flowmeter Kolibri

DIN EN ISO 15002 ; DIN 13260-2 ; BS 5682 ; NF S 90-116 ; SS 87 524 30

Klasse/Class IIa

Revisionsstand/ revision status: 1.1

Bei einer nicht bestimmungsgemäßen Verwendung des Produkts oder einer nicht mit uns abgestimmten Änderung verliert diese Erklärung ihre Gültigkeit.

In the event of using this product not according with the regulations or modification without our approval this declaration will be rendered invalid.

Hamburg 2010-07-01/ T. Greggersen

Ort/Datum/Name

Place/Date/Name

Hersteller:
Manufacturer:

GREGGERSEN Gasetechnik, Germany
Bodestraße 27-29
21031 Hamburg
Germany

CE 0482

Benannte Stelle:
notified body:

MedCert GmbH
Pilatuspool 2
20355 Hamburg
Germany

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
10000500063-MSC-RvA-DEU

Initial certification date:
22 December 2021

Valid:
22 December 2021 – 21 December 2024

This is to certify that the management system of
Greggersen Gasetechnik GmbH
Bodestraße 27-29, 21031 Hamburg, Germany

has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:

Design and development, manufacture, final inspection, distribution, planning, installation and service of central gas supply systems, terminal units, medical gas devices and accessories, autogenous welding and cutting equipment, compressed gas technology

Place and date:
Barendrecht, 22 December 2021

For the issuing office:
DNV - Business Assurance
Zwolsseweg 1, 2994 LB Barendrecht,
Netherlands



Erie Koek
Management Representative

Certificate

The Certification Body

MEDCERT Zertifizierungs- und Prüfungsgesellschaft für die Medizin GmbH
Pilatuspool 2 – 20355 Hamburg – Germany

herewith certifies that the company

Greggersen Gasetechnik GmbH
Bodestraße 27-29
21031 Hamburg
Germany

has introduced, applies and maintains a quality management system in the area of activities, products/services and locations listed in the appendix.

The conformity of this quality management system to the requirements of the following standard has been verified by an audit:

EN ISO 13485:2016

This certification is subject to surveillance by MEDCERT.

Effective date: 2021-12-19
Expiry date: 2024-12-18

Report No.: 0874FS27F
Procedure No.: QS – 0874
Certificate No.: 0874GB445211208

Hamburg, 2021-12-08



MEDCERT Certification Body
Markus Bianchi

The certificate is only valid when provided entirely with all of its pages.
To verify the validity of this certificate, contact info@medcert.de.

MEDCERT is a management systems certification body
accredited by DAKkS.

Appendix of certificate

Procedure No.: QS – 0874
Certificate No.: 0874GB445211208

Activities and products/services in the scope of certification

Design and development, manufacture, final inspection, distribution, installation, and servicing of

- Central gas supply systems
- Terminal units
- Medical gas devices and accessories

Locations in the scope of certification

Greggersen Gasetechnik GmbH
Bodestraße 27-29
21031 Hamburg
Germany

This appendix is integral part of the above-referenced certificate.
The certificate is only valid when provided entirely with all of its pages.
To verify the validity of this certificate, contact info@medcert.de.

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