

MEDICAL DEVICES BY GREGGERSEN



CATALOG COMBINATION UNITS

there is no substitute



Hawk variants

AND THEIR AREAS OF APPLICATION

The HAWK PORTABLE EMERGENCY TREATMENT UNIT

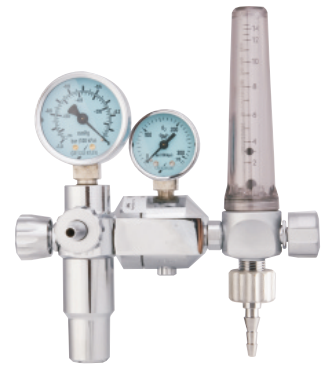
is an O₂ supply unit for stationary or mobile use. It can be suspended from the patient's bed or from a standard wall-mounted rail, and works independently from any central gas or power supply.



Humidifier and drainage overflow bottle not included in the scope of delivery

The HAWK SUCTION AND INSUFFLATION UNIT

serves for connection to oxygen bottles. It consists of an ejector regulator and a tube flowmeter, and is used predominantly in emergency treatment situations.



The HAWK SUCTION AND INSUFFLATION UNIT

is also available for attachment to a standard wall-mounted rail. This rail-mounted unit consists of an ejector regulator, a Kolibri compact flowmeter and optionally an additional quick coupling outlet for operating another unit (e.g. an emergency ventilator).



Hawk portable emergency treatment unit

Portable stainless steel frame, pressure regulator (Präzicon III) with high-pressure hand connector in accordance with DIN 477-1, preset with volume manometer and safety valve, tube flowmeter with fine-dosing valve to regulate the flow, ejector with vacuum gauge and fine-dosing valve. Includes a 1.5 m hose with angle plug. Optionally with 2- or 3-litre oxygen bottle (empty)

Carrying frame: Stainless steel with carrying handle
For standing up or hanging
on a standard wall-mounted rail (25x10mm) or beds

Weight: ca. 8.7 kg (with 2-litre bottle)

Dimensions (WxHxD): ca. 330 x 520 x 120 mm

Compatible oxygen bottles: Max. diameter = 100 mm

PRESSURE REGULATOR

Design: Spring-loaded membrane pressure regulator
in accordance with DIN EN ISO 10524-1
Brass, chrome-plated

Medium: O₂ - oxygen

Inlet: Gas-specific hand connector in accordance with DIN 477-1

Primary pressure: Max. 20,000 kPa (P1)

Manometer: 0-31,500 kPa display

Outlet: Quick coupling in accordance with DIN 13260-2

Outlet pressure: 450 kPa ± 50 kPa (P2)

Flowrate: Max. 80 l/min

FLOWMETER

Design: Tube flowmeter in accordance with DIN EN ISO 15002
Pressure-compensated, incl. fine-control valve

Material: Brass, chrome-plated

Flowrate: 0-15 l/min

Accuracy: ± 10% of full scale

EJECTOR FOR VACUUM GENERATION

Design: Vacuum generation using the ejector principle,
in accordance with DIN EN ISO 10079-3
Incl. fine-dosing valve

Material: Brass, chrome-plated

Performance parameters: Adjustable between 0 and -90 kPa

Suction flowrate: Min. 20 l/min at -90 kPa

Consumption: Max. 30 l/min at -90 kPa

HAWK PORTABLE EMERGENCY TREATMENT UNIT

Hawk portable emergency treatment unit, suction and insufflation unit, NIST, without O ₂ bottle	902.645
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ACCESSORIES FOR PORTABLE TREATMENT UNIT

O ₂ bottle, 2 l, empty	100.195
O ₂ bottle, 3 l, empty	101.195
Drainage bottle, AIR, 0.25 l	900.911
Humidifier unit for sterile water, 0.25 l	904.836
Hose connector for Flowmeter, 9/16" with barbed hose nozzle	900.619
Hose connector for vacuum regulator	900.628



Humidifier and drainage overflow bottle not included in the scope of delivery

Hawk pressure regulator unit

WITH BOTTLE CONNECTOR

PRESSURE REGULATOR UNIT

Design:	Spring-loaded membrane pressure regulator in accordance with DIN EN ISO 10524-1 Brass, chrome-plated
Medium:	O ₂ - oxygen
Inlet:	Gas-specific hand connector in accordance with DIN 477-1
Primary pressure:	Max. 20,000 kPa (P1)
Manometer:	0-31,500 kPa display
Outlet pressure:	450 kPa ± 50 kPa (P2)
Flowrate:	Max. 80 l/min

FLOWMETER

Design:	Tube flowmeter in accordance with DIN EN ISO 15002 Pressure-compensated, incl. fine-control valve
Material:	Brass, chrome-plated
Flowrate:	0-15 l/min
Accuracy:	± 10 % of full scale
Outlet:	9/16" - 18 UNF thread

EJECTOR FOR VACUUM GENERATION

Design:	Vacuum generation using the ejector principle, in accordance with DIN EN ISO 10079-3
Material:	Brass, chrome-plated
Performance parameters:	Adjustable between 0 and -90 kPa
Suction flowrate:	Min. 20 l/min at -90 kPa (± 10%)
Consumption:	Max. 30 l/min at -90 kPa
Outlet:	9/16"-18 UNF with vacuum nozzle 6mm
Dimensions/weight:	160 x 190 x 180 mm (WxHxD) / ca. 1600 g



HAWK PRESSURE REGULATOR UNIT, O₂: SUCTION AND INSUFFLATION UNIT

Hawk O₂: Suction + tube flowmeter without humidifier, VAC: 0 to -90 kPa, flowrate: 0-15 l/min

910.003

Hawk combined unit

RAIL-MOUNTED UNITS

Rail-mounted unit for attaching to a standard wall-mounted rail.

Inlet: NIST in accordance with DIN EN 15908. Consisting of a Kolibri compact flowmeter for dosing the flow and an ejector with a vacuum gauge, fine-dosing and quick-action valve.

Accessories required for operation:

- Connecting hose

The following accessories can be attached:

- Drainage system (recommended)
- Nebuliser or humidifier (disposable or reusable)

RAIL-MOUNTED UNIT

Design:	Rail clamp with knurled nut for 25 x 10 and 30 x 10 mm standard wall-mounted rails. Integrated gas inlet. Brass, chrome-plated
Medium:	O ₂ - oxygen
Inlet:	NIST in accordance with DIN EN 15908
Primary pressure:	450 kPa ± 50 kPa

KOLIBRI FLOWMETER

Design:	10-stage compact flowmeter in accordance with DIN EN ISO 15002. POM adjusting ring. Brass housing, chrome-plated
Outlet:	9/16"-18 UNF with hose nozzle. Suitable for connecting a reusable or disposable humidifier (e.g. RESPIFLO from Covidien)
Flowrate:	The flow can be adjusted step-wise between: 0.5 / 1 / 1.5 / 2 / 3 / 4 / 6 / 8 / 12 / 15 l/min

EJECTOR FOR VACUUM GENERATION

Design:	Vacuum generation using the ejector principle in acc. with DIN EN ISO 10079-3 Brass, chrome-plated
Performance parameters:	Adjustable between 0 and -90 kPa
Suction flowrate:	Min. 20 l/min at -90 kPa (± 10%)
Consumption:	Max. 30 l/min at -90 kPa
Outlet:	9/16"-18 UNF with vacuum nozzle 6mm
Quick coupling:	In accordance with DIN 13260-2
Dimensions/weight:	ca. 160 x 170 x 150 mm (WxHxD) / ca. 1.400 g



Hawk O₂, suction, ejector, Kolibri flowmeter, Rail, NIST

Hawk O₂, suction, ejector, Kolibri flowmeter + coupling, rail, NIST

HAWK for RAIL MOUNTING, NIST (for connecting hose see product group accessories)

Hawk O₂, suction ejector + Kolibri flowmeter, rail, NIST 902.676

Hawk O₂, suction ejector, Kolibri flowmeter + coupling, rail, NIST 902.677

Hawk pressure regulator units

WITH CYLINDER CONNECTION

Pressure regulator units for connection to an oxygen cylinder, with volume manometer and safety valve. Includes a downstream KOLIBRI compact flowmeter for dosing the flow and an ejector with a vacuum gauge and fine-dosing valve.

The following accessories can be attached:

- Drainage system (recommended)
- Nebuliser or humidifier (disposable or reusable)

PRESSURE REGULATOR UNIT

Design:	Spring-loaded membrane pressure regulator in accordance with DIN EN ISO 10524-1 Brass, chrome-plated
Medium:	O ₂ - oxygen
Inlet:	Gas-specific hand connector in accordance with DIN 477-1
Primary pressure:	Max. 20,000 kPa (P1)
Manometer:	0-31,500 kPa display
Outlet pressure:	450 kPa ± 50 kPa (P2)
Flowrate:	Max. 80 l/min

KOLIBRI FLOWMETER

Design:	10-stage compact flowmeter in accordance with DIN EN ISO 15002. POM adjusting ring. Brass housing, chrome-plated
Outlet:	9/16"-18 UNF with hose nozzle. Suitable for connecting a reusable or disposable humidifier (e.g. RESPIFLO from Covidien)
Flowrate:	The flow can be adjusted step-wise between: 0.5 / 1 / 1.5 / 2 / 3 / 4 / 6 / 8 / 12 / 15 l/min

EJECTOR FOR VACUUM GENERATION

Design:	Vacuum generation using the ejector principle in acc. with DIN EN ISO 10079-3 Brass, chrome-plated
Performance parameters:	Adjustable between 0 and -90 kPa
Suction Flowrate:	Min. 20 l/min at -90 kPa (± 10%)
Consumption:	Max. 30 l/min at -90 kPa
Outlet:	9/16"-18 UNF with vacuum nozzle 6mm
Dimensions/weight:	ca. 160 x 170 x 180 mm (WxHxD) / ca. 1700 g



KOLIBRI SUCTION + INSUFFLATION UNIT, CYLINDER CONNECTION

O₂: Suction unit + Kolibri flowmeter, for oxygen cylinder

500.046

Accessories

FOR COMBINED UNITS

HUMIDIFIER BOTTLE

For use in insufflation or inhalation. Humidifier-sputterer for the humidification of e.g. oxygen, compressed air or nebuliser unit for the nebulisation (aerosol treatment) of sterile water or medications.

TECHNICAL DATA

Design/material:	Chrome-plated all-metal design. Suitable for connection to a flowmeter. Apec® container.
Medium:	Sterile water
Inlet:	9/16"-18 UNF (union nut)
Capacity:	250 ml total volume
Outlet:	6 mm flow nozzle (humidifier) and 22 mm patient ventilation hose nozzle (nebulizer)
Dimensions/weight: (WxHxD)	90x190x55 mm / 320 g (humidifier) 90x190x55 mm / 370 g (nebulizer)



Humidifier bottle, complete	904.836
Bottle, 250 ml, imprinted	900.922

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"-18 UNF union nut
Material:	Head: brass, chrome-plated Bottle: Apec®, 0.25 l (can be sterilised up to 134 °C)
Outlet:	vacuum nozzle



Drainage bottle, AIR	900.911
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ACCESSORIES FOR PORTABLE TREATMENT UNIT

Hose connector for Flowmeter, 6mm fir-tree nozzle with 9/16" screwing	900.619
Hose connector for vacuum regulator	900.628

Greggersen product range

LOW-PRESSURE HOSE SYSTEMS

Low-pressure hose systems for medical gases. For coupling into a gas outlet.
Colour coding: neutral or ISO 32.
All connecting hoses are listed in the Medical Accessories catalogue.



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