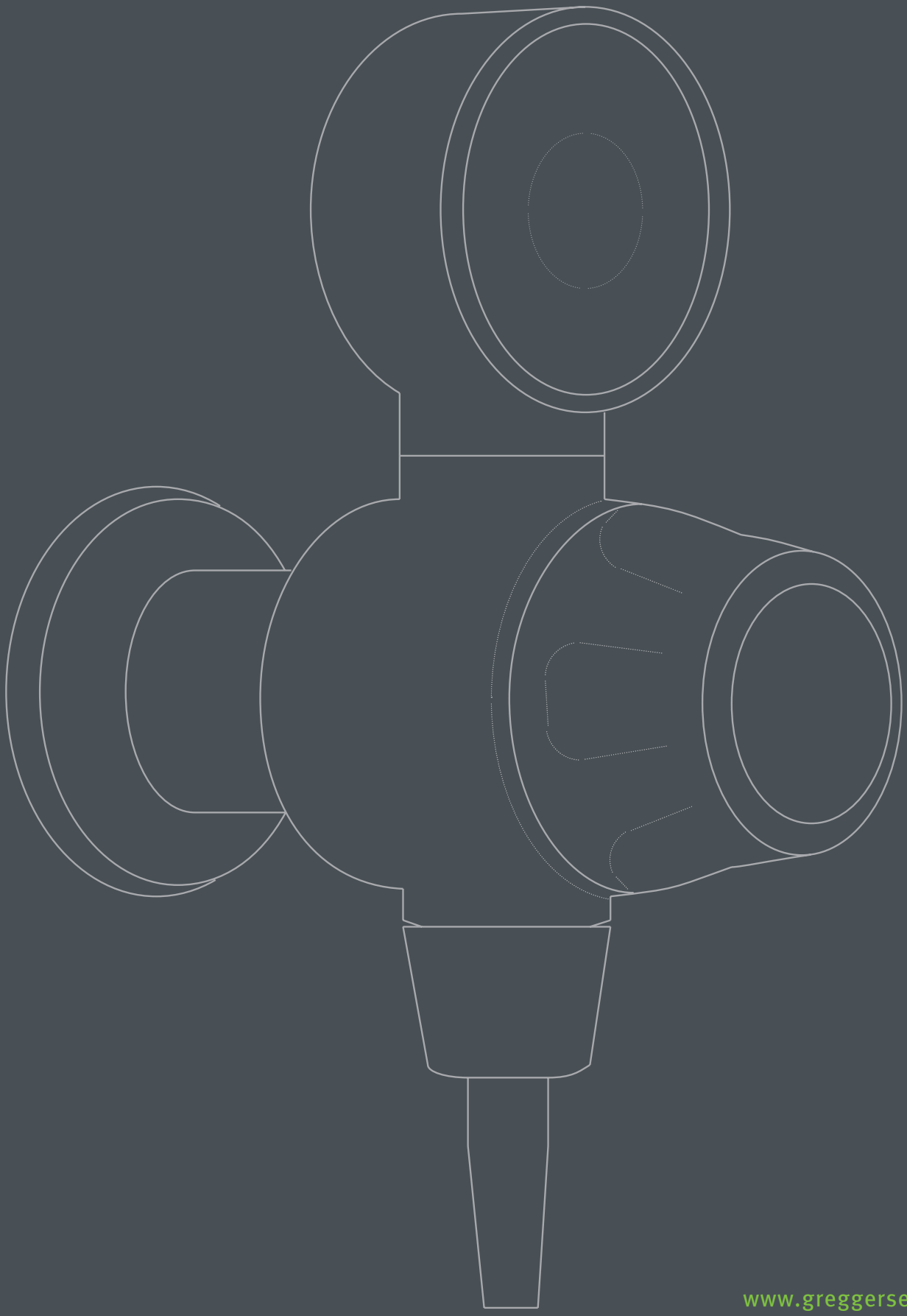
PRODUCT CATALOG

MED

GREGGERSEN 1924



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Medical Devices

BY GREGGERSEN

With the purchase of a Greggersen product you acquire quality „made in Hamburg“ since 1924.

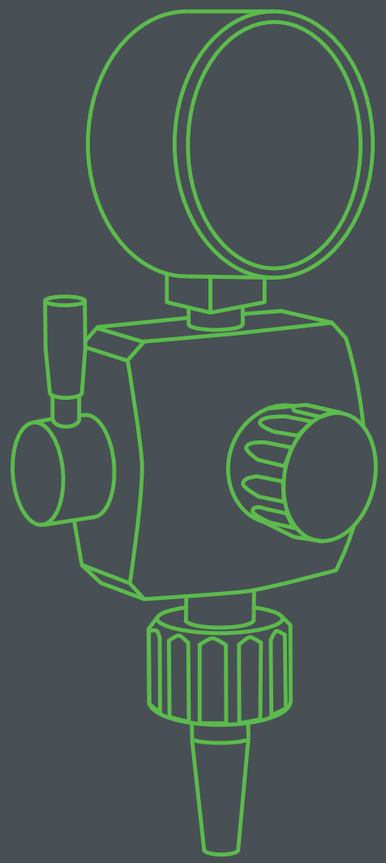
Our medical products are particularly characterized by a long lifetime and excellent recycling properties.

Our authorized dealers stand for adherence to delivery dates and top service. Friendly and competent employees are flexible and responsive to your needs.

The entire know-how of more than 90 years of company history flows from over 90 years of company history flows into every Greggersen product.

Greggersen has a certified quality management system according to DIN EN ISO 13485 quality management system.

Customer-specific product requirements can also be implemented. Please do not hesitate to contact us: sales@greggersen.de



SUCTION UNITS

Pirol vacuum regulator

PLUG-IN UNIT - VACUUM-OPERATED

Pirol plug-in unit

USAGE

Medical vacuum regulator – vacuum-operated – for dosing vacuum and removing fluids, solids or gases from the human body.

The PIROL innovative vacuum regulator series excels by virtue of its simplicity, intuitive operability and convincing design. The optimised rendering of its setting mechanism allows the user to set the required vacuum precisely and quickly. In addition, the 360° rotatable manometer can be read off from any viewing angle.

All PIROL vacuum regulators meet DIN EN ISO 10079-3 specifications.

TECHNICAL DATA

Gas type:	Vacuum / VAC	
Primary pressure:	-40 ... -99 kPa	
Inlet:	Plug connector in accordance with DIN 13260 Part 2	
Design:	Spring-loaded membrane regulator	
Material:	Housing:	aluminium, anodised
	Hand wheel:	plastic
	Plug connector:	stainless steel
Outlet:	9/16“-18 UNF with barbed vacuum connector	

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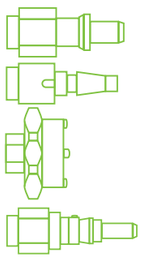
*other country-specific connections on request (e.g. British Standard BS 5682:1998 or Scandinavian Standard SS 87 524 30:2004, etc.)



PERFORMANCE (The maximum Performance depends on the mains system pressure! Accuracy of the specifications: ± 10 %)

	Regulation range [kPa]	Display range [kPa]	Suction Performance [approx. litres free flow / min]
Pirol -90	0 to -90	0 to -100	›20 (at -90 kPa)
Pirol -30	0 to -30	0 to -40	›20 (at -30 kPa)

PIROL VACUUM REGULATOR, VAC, DIN

Pirol -90 vacuum regulator, plug-in unit, DIN	904.604
Pirol -30 vacuum regulator, plug-in unit, DIN	904.606

Pirol vacuum regulator

RAIL-MOUNT UNIT - VACUUM-OPERATED

USAGE

Medical vacuum regulator – vacuum-operated – for dosing vacuum and removing fluids, solids or gases from the human body.

The PIROL innovative vacuum regulator series excels by virtue of its simplicity, intuitive operability and convincing design. The optimised transmission of its setting mechanism allows the user to set the required vacuum precisely and quickly. In addition, the 360° rotatable manometer can be read off from any viewing angle.

All PIROL vacuum regulators meet DIN EN ISO 10079-3 specifications.
Rail systems in accordance with DIN EN ISO 19054

Pirol rail-mount unit

TECHNICAL DATA

Gas type:	Vacuum / VAC	
Primary pressure:	-40 ... -99 kPa	
Inlet:	NIST housing according to DIN EN ISO 18082	
Design:	Spring-loaded membrane regulator	
Material:	Housing:	aluminium, anodised
	Hand wheel:	plastic
	Rail claw:	aluminium, anodised
Outlet:	9/16“-18 UNF with barbed vacuum connector	

PERFORMANCE (The maximum Performance depends on the mains system pressure! Accuracy of the specifications: ± 10 %)

	Regulation range [kPa]	Display range [kPa]	Suction Performance [approx. litres free flow / min]
Pirol -90	0 to -90	0 to -100	›20 (at -90 kPa)
Pirol -30	0 to -30	0 to -40	›20 (at -30 kPa)

PIROL VACUUM REGULATOR, VAC, RAIL-MOUNT UNIT*

Pirol -90 vacuum regulator, rail-mount unit, NIST	904.605
Pirol -30 vacuum regulator, rail-mount unit, NIST	904.607

(*without connection hose / see Page 044)

Skua vacuum regulator

PLUG-IN UNIT - COMPRESSED AIR OPERATED

Skua plug-in unit

USAGE

Medical vacuum regulator – compressed air operated – for dosing vacuum and removing fluids, solids or gases from the human body.

SKUA, the newly developed product family, is equipped with a technically optimised ejector, which generates a stable and high vacuum with the help of compressed air (according to the Venturi principle). The large and ergonomic setting hand wheel allows the user to set the required vacuum precisely and quickly. Moreover, the 360° rotatable manometer can be read off from any viewing angle. Besides the very good performance data, the focus is on patient safety: A durable valve in the outlet ensures that no overpressure can reach the patient.

The SKUA vacuum regulators meet DIN EN ISO 10079-3 specifications.

TECHNICAL DATA

Gas type:	med. compressed air / AIR
Primary pressure:	450 kPa ± 50 kPa
Inlet:	Plug connector in accordance with DIN 13260 Part 2
Design:	Vacuum generation according to the Venturi principle
Material:	Housing: aluminium, anodised
Hand wheel: Plastic	
	Plug connector: stainless steel
Outlet:	9/16“-18 UNF with barbed vacuum connector

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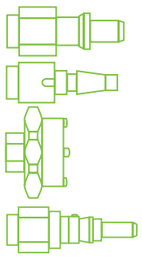
*other country-specific connections on request (e.g. British Standard BS 5682:1998 or Scandinavian Standard SS 87 524 30:2004, etc.)



PERFORMANCE (The maximum Performance depends on the mains system pressure! Accuracy of the specifications: ± 10 %)

	Regulation range [kPa]	Display range [kPa]	Suction Performance [approx. litres free flow / min]	Compressed air consumption [approx. litres/min]
Skua -90	0 to -85	0 to -100	›20 (at -85 kPa)	40 (at -85 kPa)
Skua -30	0 to -30	0 to -40	›20 (at -30 kPa)	40 (at -85 kPa)

SKUA VACUUM REGULATOR, AIR, PLUG-IN UNIT, DIN

Skua -90 vacuum regulator, AIR, plug-in unit, DIN	904.600
Skua -30 vacuum regulator, AIR, plug-in unit, DIN	904.602

Skua vacuum regulator

RAIL-MOUNT UNIT - COMPRESSED AIR OPERATED

USAGE

Medical vacuum regulator – compressed air operated – for dosing vacuum and removing fluids, solids or gases from the human body.

SKUA, the newly developed product family, is equipped with a technically optimised ejector, which generates a stable and high vacuum with the help of compressed air (according to the Venturi principle). The large and ergonomic setting hand wheel allows the user to set the required vacuum precisely and quickly. Moreover, the 360° rotatable manometer can be read off from any viewing angle. Besides the very good performance data, the focus is on patient safety: A durable valve in the outlet ensures that no overpressure can reach the patient.

The SKUA vacuum regulators meet DIN EN ISO 10079-3 specifications.
Rail systems in accordance with DIN EN ISO 19054

Skua rail mount unit

TECHNICAL DATA

Gas type:	med. compressed air / AIR
Primary pressure:	450 kPa ± 50 kPa
Inlet:	NIST housing according to DIN EN ISO 18082
Design:	Vacuum generation according to the Venturi principle
Material:	Housing: aluminium, anodised
	Hand wheel: plastic
	Rail claw: aluminium, anodised
Outlet:	9/16“-18 UNF with barbed vacuum connector

PERFORMANCE (The maximum Performance depends on the mains system pressure! Accuracy of the specifications: ± 10 %)

	Regulation range [kPa]	Display range [kPa]	Suction Performance [approx. litres free flow / min]	Compressed air consumption [approx. litres/min]
Skua -90	0 to -85	0 to -100	›20 (at -85 kPa)	40 (at -85 kPa)
Skua -30	0 to -30	0 to -40	›20 (at -30 kPa)	40 (at -85 kPa)

SKUA VACUUM REGULATOR, AIR, RAIL-MOUNT UNIT*

Skua -90 vacuum regulator, AIR, rail-mount unit, NIST	904.601
Skua -30 vacuum regulator, AIR, rail-mount unit, NIST	904.603

(*without connection hose / see Page 044)

Spatz vacuum regulator

PLUG-IN UNIT - VACUUM-OPERATED

Spatz -90, plug-in unit

High-Spatz -90, plug-in unit

USAGE

Medical vacuum regulator – vacuum-operated – for dosing vacuum and removing fluids, solids or gases from the human body.

The well-established SPATZ product family impresses with its durability and reliability. The fine-control valve mounted on the front allows the user fine setting of the required vacuum. The additional quick-action valve serves for fast on-off switching without changing the respective vacuum set.

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

TECHNICAL DATA

Gas type:	Vacuum
Primary pressure:	-40 to -99 kPa
Inlet:	Plug connector in accordance with DIN 13 260 Part 2
Design:	Bypass regulator: Spatz -90; Spatz -16 Spring-loaded membrane regulator: High-Spatz -90; Sparrow -10
Material:	brass, chrome-plated
Outlet:	9/16“-18 UNF with barbed vacuum connector

PERFORMANCE

(The maximum Performance depends on the mains system pressure! Accuracy of the specifications: ± 10 %)

	Regulation range [kPa]	Suction Performance [approx. litres free flow / min]
Spatz -90	-20 to -90	at least 20 (at -90 kPa)
High-Spatz-90	0 to -90	at least 25 (at -90 kPa)
Spatz -16	0 to -16	at least 20 (at -16 kPa)
Spatz -10	0 to -10	at least 20 (at -10 kPa)

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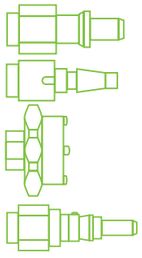
*other country-specific connections on request (e.g. British Standard BS 5682:1998 or Scandinavian Standard SS 87 524 30:2004, etc., etc.)



SPATZ VACUUM REGULATORS, VAC, PLUG-IN UNITS

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

Spatz vacuum regulator

RAIL-MOUNT UNIT - VACUUM-OPERATED

USAGE

Medical vacuum regulator – vacuum-operated – for dosing vacuum and removing fluids, solids or gases from the human body.

The well-established SPATZ product family impresses with its durability and reliability. The fine-control valve mounted on the front allows the user fine setting of the required vacuum. The additional quick-action valve serves for fast on-off switching without changing the respective vacuum set.

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

Spatz -90, rail-mount unit

Spatz -10, rail-mount unit

TECHNICAL DATA

Gas type:	Vacuum
Primary pressure:	-40 to -99 kPa
Inlet:	NIST housing in accordance with DIN EN ISO 18082
Design:	Bypass regulator: Spatz -90; Spatz -16 Spring-loaded membrane regulator: High-Spatz -90; Sparrow -10 Rail claw with knurled nut for standard device rail 25 x 10 mm
Material:	brass, chrome-plated
Outlet:	9/16“-18 UNF with barbed vacuum connector

PERFORMANCE

(The maximum Performance depends on the mains system pressure! Accuracy of the specifications: ± 10 %)

	Regulation range [kPa]	Suction Performance [approx. litres free flow / min]
Spatz -90	-20 to -90	at least 20 (at -90 kPa)
High-Spatz -90	0 to -90	at least 25 (at -90 kPa)
Spatz -16	0 to -16	at least 20 (at -16 kPa)
Spatz -10	0 to -10	at least 20 (at -10 kPa)

SPATZ VACUUM REGULATORS, VAC, RAIL-MOUNT UNIT NIST*

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

(*without connection hose / see Page 044)

Specht vacuum regulator

PLUG-IN UNIT - COMPRESSED AIR OPERATED

Specht -90, plug-in unit

USAGE

Medical vacuum regulator – compressed air operated – for generating vacuum and removing fluids, solids or gases from the human body.

The well-established SPECHT product family impresses with its durability and reliability. The ejector used generates a stable vacuum with the help of compressed air (according to the Venturi principle). The fine-control valve mounted on the front allows the user fine setting of the required vacuum. The additional quick-action valve serves for fast on-off switching without changing the respective vacuum set.

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

Specht -16, plug-in unit

TECHNICAL DATA

Gas type:	Med. compressed air (AIR)
Primary pressure:	450 kPa ± 50 kPa (in accordance with DIN EN ISO 7396-1)
Inlet:	Plug connector in accordance with DIN 13260 Part 2:2013*
Design:	Vacuum generation according to the Venturi principle
Material:	brass, chrome-plated
Outlet:	9/16“-18 UNF with barbed vacuum connector

PERFORMANCE (The maximum Performance depends on the mains system pressure! Accuracy of the specifications: ± 10 %)

	Regulation range [kPa]	Suction Performance [approx. litres free flow / min]		Compressed air consumption [approx. litres/min]	
Specht -90	0 to -90	› 18	(at -85 kPa)	35	(at -85 kPa)
Specht -60	0 to -60 kPa	›25	(at -60 kPa)	35	(at -60 kPa)
Specht -16	0 to -16 kPa	›18	(at -16 kPa)	35	(at -16 kPa)
Specht -10	0 to -10 kPa	›18	(at -10 kPa)	35	(at -10 kPa)

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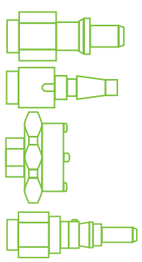
*other country-specific connections on request (e.g. British Standard BS 5682:1998 or Scandinavian Standard SS 87 524 30:2004, etc., etc.)



SPECHT VACUUM REGULATORS, AIR, PLUG-IN UNIT

Specht vacuum regulator -90, AIR, 0 to -90 kPa, plug-in unit, DIN	900.960
Specht vacuum regulator -60, AIR, up to -60 kPa, plug-in unit, DIN	901.590
Specht vacuum regulator -16, AIR, 0 to -16 kPa, plug-in unit, DIN	900.958
Specht vacuum regulator -10, AIR, 0 to -10 kPa, plug-in unit, DIN	901.914

Specht vacuum regulator

RAIL-MOUNT UNIT - COMPRESSED AIR OPERATED

USAGE

Medical vacuum regulator – compressed air operated – for generating vacuum and removing fluids, solids or gases from the human body.

The well-established SPECHT product family impresses with its durability and reliability. The ejector used generates a stable vacuum with the help of compressed air (according to the Venturi principle). The fine-control valve mounted on the front allows the user fine setting of the required vacuum. The additional quick-action valve serves for fast on-off switching without changing the respective vacuum set.

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

Specht -90, rail-mount unit

TECHNICAL DATA

Gas type:	Med. compressed air (AIR)
Primary pressure:	450 kPa ± 50 kPa (in accordance with DIN EN ISO 7396-1)
Inlet:	NIST housing in accordance with DIN EN ISO 18082
Design:	Vacuum generation according to the Venturi principle Rail claw with knurled nut for standard device rail 25 x 10 mm
Material:	brass, chrome-plated
Outlet:	9/16“-18 UNF with barbed vacuum connector

Specht -10, rail-mount unit

PERFORMANCE (The maximum Performance depends on the mains system pressure! Accuracy of the specifications: ± 10 %)

	Regulation range [kPa]	Suction Performance [approx. litres free flow / min]		Compressed air consumption [approx. litres/min]	
Specht -90	0 to -90	› 18	(at -85 kPa)	35	(at -85 kPa)
Specht -60	0 to -60 kPa	›25	(at -60 kPa)	35	(at -60 kPa)
Specht -16	0 to -16 kPa	›18	(at -16 kPa)	35	(at -16 kPa)
Specht -10	0 to -10 kPa	›18	(at -10 kPa)	35	(at -10 kPa)

SPECHT VACUUM REGULATORS, AIR, RAIL-MOUNT UNIT NIST*

Specht -90 vacuum regulator, AIR, 0 to -90 kPa, rail-mount unit, NIST	902.625
Specht -60 vacuum regulator, AIR, to -60 kPa, rail-mount unit, NIST	901.592
Specht -16 vacuum regulator, AIR, 0 to -16 kPa, rail-mount unit, NIST	902.626
Specht -10 vacuum regulator, AIR, 0 to -10 kPa, rail-mount unit, NIST	902.672

(*without connection hose / see Page 044)

Varioport suction unit

VACUUM-OPERATED / COMPRESSED AIR OPERATED

Varioport Spatz

Examples of compatible containers

USAGE

Medical vacuum regulator – vacuum or compressed air operated – for dosing vacuum and removing fluids, solids or gases from the human body. Frame for securely mounting two drainage containers.

The VARIOPORT "variable" unit – equipped with a medical vacuum regulator – allows stable storage of drainage systems of various sizes and manufacturers. The universal container receptacle leads to a unit that is used flexibly for the respective supplier of reusable or disposable drainage systems. Commercially available containers between 0.5 and 3.0 litres from various manufacturers can be used (e.g. Serres, Abbott, Medela, Ardo, Cardinal and many other makes).

The frame consists of a powder-coated solid steel sheet and besides a rail mount for 25x10 mm DIN standard rails, also has a handle that simplifies transportation of the complete unit. The regulator unit is located at the front, which affords the user rapid and direct access to the operating unit.

TECHNICAL DATA

Gas type:	Vacuum / VAC Medical air / AIR
Inlet:	NIST housing in accordance with DIN EN ISO 18082
Outlet:	9/16“-18 UNF with barbed vacuum connector

Please find the technical data for the respective regulator on the previous pages.

SCOPE OF DELIVERY

- Pirol or Skua/Spatz or Specht vacuum regulator
- Carrying frame, coated
- 2x highly flexible holding cuffs

VARIOPORT SUCTION UNIT*

Varioport Pirol -90 Suction unit, VAC, NIST	904.609
Varioport Skua -90 Suction unit, AIR, NIST	904.608
Varioport Spatz -90 Suction unit, VAC, NIST	902.120
Varioport Specht -90 Suction unit, AIR, NIST	902.121
ACCESSORIES	
Varioport cuff, sales unit = 2	902.125
Highly efficient Medela overflow/bacterial filter 077.0572, sales unit = 10	900.941
Highly efficient intersurgical overflow/bacterial filter 1635003, sales unit = 10	900.942

(*without connection hose / see Page 044)

Conport suction unit

VACUUM-OPERATED / COMPRESSED AIR OPERATED

USAGE

Medical vacuum regulator – vacuum or compressed air operated – for dosing vacuum and removing fluids, solids or gases from the human body. Frame for secure mounting two drainage containers.

The CONPORT "constant" unit – equipped with a medical vacuum regulator – allows stable storage of Medela drainage systems (1.5 l). By defining a certain container system, it is possible to construct a complete unit in a lean and minimalistic way, which allows for the reduced space available in the patient room.

The frame consists of a stainless steel sheet and besides a spring-loaded rail mount for 25x10 mm DIN standard rails, also has a handle that simplifies transportation of the complete unit. The regulator unit is located at the front, which affords the user rapid and direct access to the operating unit.

The CONPORT is optimised for a low space requirement, without ignoring the stability or secure mounting of the container system.

ConPort Pirol

TECHNICAL DATA

Gas type:	Vacuum / VAC Medical air / AIR
Inlet:	NIST housing in accordance with DIN EN ISO 18082
Outlet:	9/16“-18 UNF with barbed vacuum connector

Please find the technical data for the respective regulator on the previous pages.

SCOPE OF DELIVERY

- Pirol or Skua/Spatz or Specht vacuum regulator
- Carrying frame, stainless steel

CONPORT SUCTION UNIT*

ConPort V2A - High-Spatz -90, VAC, NIST	902.153
ConPort V2A - Specht -90, AIR, NIST	902.152
ConPort V2A - Pirol -90, VAC, NIST	904.611
ConPort V2A - Skua -90, AIR, NIST	904.610

(*without connection hose / see Page 044)

Mobile suction unit

VACUUM-OPERATED / COMPRESSED AIR OPERATED

USAGE

Due to the possible interaction of equipment trolley, suction unit, secretion bottle and vacuum regulator with low-pressure hose line you can put together flexible combinations tailored to your needs here for the operating or treatment area.

Medical vacuum regulator

Medical vacuum regulator for dosing the vacuum provided or the generation of vacuum by means of a compressed air source, for the aspiration of liquids in the medical field.

Mobile unit for the safe collection of secretion collection systems

The mobile suction unit enables the stable storage of secretion collection systems. The mobile unit is equipped with two DIN standard rails 25x10 mm, so that standard rail devices as well as corresponding holders for container systems can be securely fixed.

The frame is made of stainless steel and has four castors (Ø 75 mm), two of which are lockable.

TECHNICAL DATA

Gas type:	Vacuum (VAC) or Medical air (AIR)
Design:	Wheeled frame (4 rollers, 2 with brakes)
Material:	stainless steel

Please find the technical data for the respective regulator on the previous pages.

MOBILE SUCTION UNIT AND VACUUM REGULATOR*

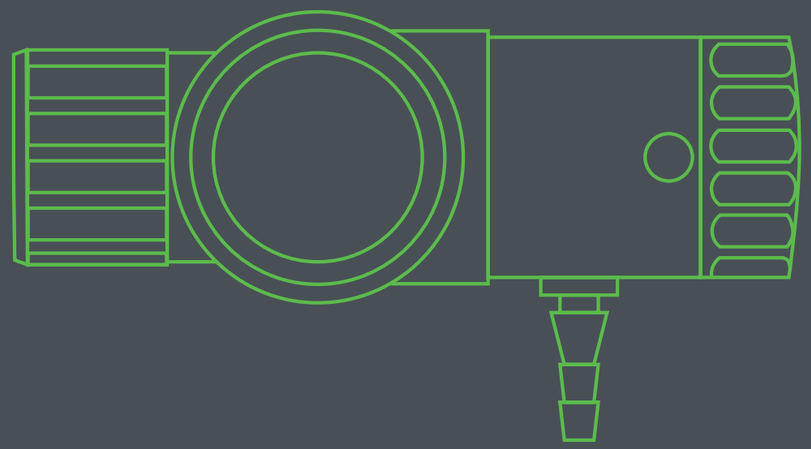
Wheeled frame for Suction unit, 4 rollers, 2x 25x10 device rails 100.756	
PIROL -90 vacuum regulator, to -90 kPa, VAC, rail-mounted unit, NIST	904.605
SKUA -90 vacuum regulator, to -90 kPa, AIR, rail-mounted unit, NIST	904.601
SPATZ -90 vacuum regulator, to -90 kPa, VAC, rail-mounted unit, NIST	902.622
SPECHT -90 vacuum regulator, to -90 kPa, AIR, rail-mounted unit, NIST	902.625

(*without connection hose / see Page 044)

MOBILE SUCTION UNIT

Drainage bottle, 2 l – reusable system	110.037
Drainage bottle, 5 l – reusable system	110.039
Bottle top with grip – reusable system	110.040
Drainage hose 8/14 mm (per metre)	110.046
Drainage hose holder	110.064
Hose rapid coupling, clear 8 mm	110.045
Hose rapid coupling, green 8 mm	110.043

PRESSURE REDUCERS



Falke compact pressure reducers

Falke with fixed barbed connector, only Flow

Falke with fixed barbed connector Flow and one coupling

Falke with fixed barbed connector Flow and two couplings

USAGE

A pressure reducer is used to drop the high gas cylinder pressure to a lower pressure, which is suitable for use with medical devices or for direct gas delivery to the patient (only Flow).

The "Falke" pressure reducer series has been in use for over 20 years. The compact, but very stable structure of the spring-loaded piston pressure reducer safely and reliably reduces the high pressure from a gas cylinder to the operating pressure and offers many usage options through the high variance of the outlets.
The stop-adjustable Performance is on the one hand "independent of position" (also works upside-down) and on the other hand offers safe and precise setting of the required flow. Further add-on parts, such as add-on quick connect coupling make FALKE ideal for transport within the clinic: The plug connector of a unit can be decoupled from the stationary tapping point in the patient room and coupled into the pressure reducer coupling.

- High degree of operational safety, both for the patient, as well as for the user
- Great variability, therefore suitable for almost every use
- Durability – protects the investment costs through low follow-on costs

TECHNICAL DATA

Gas type:	Med. oxygen/O2 (also available for AIR/CO2/N2O)
Primary pressure:	Max. 20,000 kPa (P1)
Inlet:	gas-specific hand connector in accordance with DIN 477-1 (other standards on request)
Design:	Spring-loaded piston-type pressure regulator with manometer, display 0–40,000 kPa
Material:	brass, matt chrome-plated
Outlet pressure:	450 kPa ± 50 kPa (P2)
Outlet:	Depending on the variant: Flow w. fixed barbed connector 6 mm, or Flow w. 9/16“-18 UNF thread with union nut and barbed connector 6 mm (suitable for connecting reusable or disposable humidifiers). Quick connector(s): in accordance with DIN 13260 Part 2:2013 (other standards on request)

PERFORMANCE*

Snap-in stage	1	2	3	4	5	6	7	8	9	10	
Standard	0.5	1	1,5	2	3	4	6	8	12	15	l/min
Standard+	0.5	1	2	4	6	8	10	12	15	30+	l/min
Children	0.1	0.3	0.5	0.6	0.8	1	2	3	4	5	l/min
Neonatal	0.1	0.15	0.2	0.25	0.3	0.4	0.5	0.6	0.8	1	l/min

*Applies for units with fixed barbed connector and with 9/16“ barbed connector.
Accuracy: ± 10 % of set value (at flows < 0.5 l/min, ± 0.05 l/min)

FALKE PRESSURE REDUCER WITH FIXED BARBED CONNECTOR

Falke PR*, O2 (G3/4“), Flow: 0-15 l/min barbed connector	910.200
Falke PR*, O2 (G3/4“), Flow: 0-30+ l/min barbed connector	910.201
Falke PR*, O2 (G3/4“), Flow: 0-5 l/min barbed connector	910.202
Falke PR*, O2 (G3/4“), Flow: 0-1 l/min barbed connector	910.203
Falke PR*, O2 (G3/4“), Flow: 0-15 l/min barbed connector, 1x plug-in coupling DIN	910.204
Falke PR*, O2 (G3/4“), Flow: 0-30+ l/min barbed connector, 1x plug-in coupling DIN	910.205
Falke PR*, O2 (G3/4“), Flow: 0-5 l/min barbed connector, 1x plug-in coupling DIN	910.206
Falke PR*, O2 (G3/4“), Flow: 0-1 l/min barbed connector, 1x plug-in coupling DIN	910.207
Falke PR*, O2 (G3/4“), Flow: 0-15 l/min barbed connector, 2x plug-in coupling DIN	910.208
Falke PR*, O2 (G3/4“), Flow: 0-30+ l/min barbed connector, 2x plug-in coupling DIN	910.209
Falke PR*, O2 (G3/4“), Flow: 0-5 l/min barbed connector, 2x plug-in coupling DIN	910.211
Falke PR*, O2 (G3/4“), Flow: 0-1 l/min barbed connector, 2x plug-in coupling DIN	910.210

(*PR: Pressure Reducer)

FALKE w. 9/16“-18 UNF thread w. union nut

Falke PR*, O2 (G3/4“), Flow: 0-15 l/min 9/16“	910.350
Falke PR*, O2 (G3/4“), Flow: 0-30+ l/min 9/16“	910.351
Falke PR*, O2 (G3/4“), Flow: 0-5 l/min 9/16“	910.352
Falke PR*, O2 (G3/4“), Flow: 0-1 l/min 9/16“	910.353
Falke PR*, O2 (G3/4“), Flow: 0-15 l/min 9/16“, 1x plug-in coupling DIN	910.355
Falke PR*, O2 (G3/4“), Flow: 0-30 l/min 9/16“, 1x plug-in coupling DIN	910.356
Falke PR*, O2 (G3/4“), Flow: 0-5 l/min 9/16“, 1x plug-in coupling DIN	910.357
Falke PR*, O2 (G3/4“), Flow: 0-1 l/min 9/16“, 1x plug-in coupling DIN	910.358
Falke PR*, O2 (G3/4“), Flow: 0-15 l/min 9/16“, 2x plug-in coupling DIN	910.362
Falke PR*, O2 (G3/4“), Flow: 0-30 l/min 9/16“, 2x plug-in coupling DIN	910.363
Falke PR*, O2 (G3/4“), Flow: 0-5 l/min 9/16“, 2x plug-in coupling DIN	910.364
Falke PR*, O2 (G3/4“), Flow: 0-1 l/min 9/16“, 2x plug-in coupling DIN	910.365

(*PR: Pressure Reducer)

Falke, Flow only:

Falke 9/16“ Flow and one coupling

Falke 9/16“ Flow and two couplings

Falke easy compact pressure reducers

ONLY MEDIUM PRESSURE (COUPLING)

Falke Easy 1x coupling, outlet downward

Falke Easy 1x coupling, outlet upward

USAGE

A pressure reducer is used to drop the high gas cylinder pressure to a lower pressure, which is suitable for use with medical devices.

The FALKE easy pressure reducer reliably reduces the cylinder pressure to the set outlet pressure. A gas type-specific coupling allows the user rapid switching between the supply from a wall-mounted tapping point and a mobile supply unit with FALKE easy.

TECHNICAL DATA

Design:	Spring-loaded piston-type pressure regulator with manometer, display 0–40,000 kPa
Material:	brass, matt chrome-plated
Inlet:	gas-specific hand connector in accordance with DIN 477-1 (other standards on request)
Primary pressure:	Max. 20,000 kPa (P1)
Outlet:	Quick connector in accordance with DIN 13260 Part 2:2013
Outlet pressure:	450 kPa ± 50 kPa (P2)
Dimensions (WxHxD):	100 x 100 x 65 mm
Performance:	Max. 120 l/min

FALKE EASY PR*, MEDIUM PRESSURE ONLY, OUTLET UPWARD

Falke easy PR*, O2 (G3/4"), 1x plug-in coupling, DIN (outlet upward)	910.374
Falke easy PR*, AIR (G5/8"i), 1x plug-in coupling, DIN (outlet upward)	910.375
Falke easy PR*, N2O (G3/8") large cyl., 1x plug-in coupling, DIN (outlet upward)	910.378
Falke easy PR*, N2O (G3/4") small cyl., 1x plug-in coupling, DIN (outlet upward)	910.379
Falke easy PR*, CO2 (W21.8), 1x plug-in coupling, DIN (outlet upward)	910.309

FALKE EASY PR*, MEDIUM PRESSURE ONLY, OUTLET DOWNWARD

Falke easy PR*, O2 (G3/4"), 1x plug-in coupling, DIN (outlet downward)	910.382
Falke easy PR*, AIR (G5/8"), 1x plug-in coupling, DIN (outlet downward)	910.383
Falke easy PR*, N2O (G3/8") large cyl., 1x plug-in coupling, DIN (outlet downward)	910.385
Falke easy PR*, N2O (G3/4") small cyl., 1x plug-in coupling, DIN (outlet downward)	910.384

(*PR: Pressure Reducer)

Falke compact pressure reducers

SPECIAL VARIANTS

USAGE

A pressure reducer is used to drop the high gas cylinder pressure to a lower pressure, which is suitable for use with medical devices.

The FALKE easy pressure reducer reliably reduces the cylinder pressure to the set outlet pressure. The variable structure (modular system) allows many customer-specific solutions to be realised.

Variants: Falke easy with preset flow
Falke easy with a medium pressure outlet
G 3/8 “ or 9/16“-18 UNF (rebound-protected)

EXAMPLES OF OTHER VARIANTS:

Falke easy, fixed flow

HP connection right

FALKE DM*, SPECIAL VARIANTS

Falke easy PR*, O2 (G3/4"), Flow, fixed 4 l/min / 450 kPa 9/16“	910.370
Falke easy PR*, O2 (G3/4"), Flow, fixed 6 l/min / 450 kPa 9/16“	910.371
Falke easy PR*, O2 (G3/4"), Flow, max. 120 l/min / 450 kPa G3/8“	910.372
Falke easy PR*, O2 (G3/4"), Flow, max. 120 l/min / 450 kPa 9/16“	910.373
Falke PR* w. Flow Stand. O2 DIN 9/16 long	505.100
OTHER VARIANTS ON REQUEST	

ACCESSORIES FOR FALKE PR*

Repair kit for Falke PR	900.432
Falke med. pressure regulator servicing fee	902.046
9/16" hose connection with barbed connector	900.619

(*PR: Pressure Reducer)

Präzicon pressure reducers

PRÄZICON I AND III

Präzicon I

Präzicon III

USAGE

A pressure reducer is used to drop the high gas cylinder pressure to a lower pressure. The Precicon I pressure reducer in not a medical device.

TECHNICAL DATA

Primary pressure:	Max. 20,000 kPa (P1)
Inlet:	gas-specific hand connector in accordance with DIN 477-1 (other HP connections on request)
Design:	Spring-loaded membrane pressure reducer with manometer, display 0-30,000 kPa
Material:	brass, polished chrome-plated
Outlet pressure:	450 kPa ± 50 kPa (P2)
Outlet:	Precicon I: in accordance with DIN 13252 Precicon III: Plug-in coupling in accordance with DIN 13260 Part 2:2013 (other standards on request)

PRÄZICON I PRESSURE REDUCERS (Screwed connector - see pressure reducer accessories)

Präzicon I pressure reducer, O2 (G3/4“), 450 kPa	910.140
Präzicon I pressure reducer, AIR (G5/8“), 450 kPa	910.141
Präzicon I pressure reducer, N2O (G3/4“) small cyl., 450 kPa	910.145
Präzicon I pressure reducer, N2O (G3/8“) large cyl., 450 kPa	910.142
Präzicon I pressure reducer, N2 (W24/32“), 450 kPa	910.143
Präzicon I pressure reducer, CO2 (W21.8x1/14“), 450 kPa	910.144

PRÄZICON III PRESSURE REDUCERS

Präzicon III PR*, O2 (G3/4“), 450 kPa, 1x plug-in coupling, DIN	910.150
Präzicon III PR*, AIR (G5/8“), 450 kPa, 1x plug-in coupling, DIN	910.151
Präzicon III PR*, N2O (G3/4“), small cyl., 450 kPa, 1x plug-in coupling, DIN	910.155
Präzicon III PR*, N2O (G3/8“), large cyl., 450 kPa, 1x plug-in coupling, DIN	910.152
Präzicon III PR*, CO2 (W21.8x1/14), 450 kPa, 1x plug-in coupling, DIN	910.157

PRÄZICON ACCESSORIES

Repair kit for Präzicon pressure regulators	900.434
med. pressure regulator servicing “Präzi”	902.048

(*PR: Pressure Reducer)

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Everywhere high precision outlet pressure is required, the "Präzicon" product series is the right pressure reducer. The primary pressure equalisation ensures that despite declining cylinder pressure, the outlet pressure remains consistently stable.

The Präzicon III medical pressure regulator fulfils DIN EN ISO 10524-1 requirements and is available for all medical compressed gases.

Präzival pressure reducers

GREGGERSEN

PRÄZIVAL II

Präzival II

USAGE

For use with medical devices or for direct gas delivery to the patient.

Präzival II is equipped with a tube flow meter at the outlet through which flow delivery is specially available for oxygen therapy. The tube flow meter allows the user continuous adjustment of the required flow.

TECHNICAL DATA

Primary pressure:	max. 20,000 kPa
Inlet:	gas-specific hand connector in accordance with DIN 477-1 (other HP connections on request)
Design:	Spring-loaded membrane pressure regulator with primary pressure equalisation, volume manometer and flow meter
Material:	brass, chrome-plated
Performance:	0-15 l/min and 0-11 l/min (see below)
Outlet:	9/16“-18 UNF thread (hose connection has to be ordered separately)

PRÄZIVAL II PRESSURE REDUCERS

Präzival II PR*, O2 (G3/4"), 0-15 l/min, 9/16“ without hose connection	910.680
Präzival II PR*, CO2 (W21.8), 0-11 l/min, 9/16“ without hose connection	500.164

PRÄZIVAL ACCESSORIES

Hose connection G9/16 barbed connector	900.619
Repair kit for Präzival I pressure regulators	900.435
med. pressure regulator servicing “Präzi”	902.048
Repair kit for Präzival II pressure regulators	900.429

(*PR: Pressure Reducer)

Präzival pressure reducers

PRÄZIVAL IV AND V

Präzival IV

Präzival V

USAGE

A pressure reducer is used to drop the high gas cylinder pressure to a lower pressure.

The Präzival IV and V pressure reducers are specially intended for laboratory applications. Both units are not medical devices. Everywhere the user wishes to set the outlet pressure themselves, these pressure reducers are ideal. The Präzival V also has a shut-off valve at the outlet to briefly interrupt the gas flow.

TECHNICAL DATA

Primary pressure:	Max. 20,000 kPa (P1)
Inlet:	gas-specific hand connector in accordance with DIN 477-1 (other standards on request)
Design:	Spring-loaded membrane pressure reducer with volume manometer and additional working manometer, display 0-600 kPa
Material:	brass, polished chrome-plated
Outlet pressure:	Working pressure continuously adjustable 0-500 kPa
Outlet:	Hose connection 6 mm

PRÄZIVAL IV PRESSURE REDUCERS

Präzival IV PR*, O2 (G3/4"), with 6 mm hose connection	910.880
Präzival IV PR*, AIR (G5/8"i), with 6 mm hose connection	910.881
Präzival IV PR*, N2O (G3/8"), with 6 mm hose connection	910.882
Präzival IV PR*, CO2 (W21.8 x 1/14), with 6 mm hose connection	910.884

PRÄZIVAL V PRESSURE REDUCERS

Präzival V PR*, O2 (G3/4"), with 6 mm hose connection	910.890
Präzival V PR*, AIR (G5/8"i), with 6 mm hose connection	910.891
Präzival V PR*, N2O (G3/8"), with 6 mm hose connection	910.892
Präzival V PR*, CO2 (W21.8 x 1/14), with 6 mm hose connection	910.894

PRECIVAL ACCESSORIES

Repair kit for Präzval pressure regulators	900.435
Med. pressure regulator servicing fee	902.048

(*PR: Pressure Reducer)

Compressed gas regulators

ADJUSTABLE OR PRESET

USAGE

Compressed gas regulators are used to reduce the pressure of a tapping point.

Here the compressed gas regulator is adjustable by the user in the range between 0 and 500 kPa, while the compressed gas regulator, preset, is already set to an outlet pressure set by the customer.

Compressed gas regulator, adjustable

Compressed gas regulator, preset

TECHNICAL DATA

Primary pressure:	max. 1,400 kPa
Inlet:	gas-specific connector insert in accordance with DIN 13260 Part2:2013 (other standards on request)
Design:	plug-in unit membrane regulator with manometer 0-600 kPa
Material:	brass, polished chrome-plated
Performance:	adjustable between 0 and 500 kPa, alternatively: preset (according to customer specification)
Outlet:	gas-specific in accordance with DIN 13252 (hose connection has to be ordered separately)

COMPRESSED GAS REGULATOR, ADJUSTABLE (hose connection has to be ordered separately)

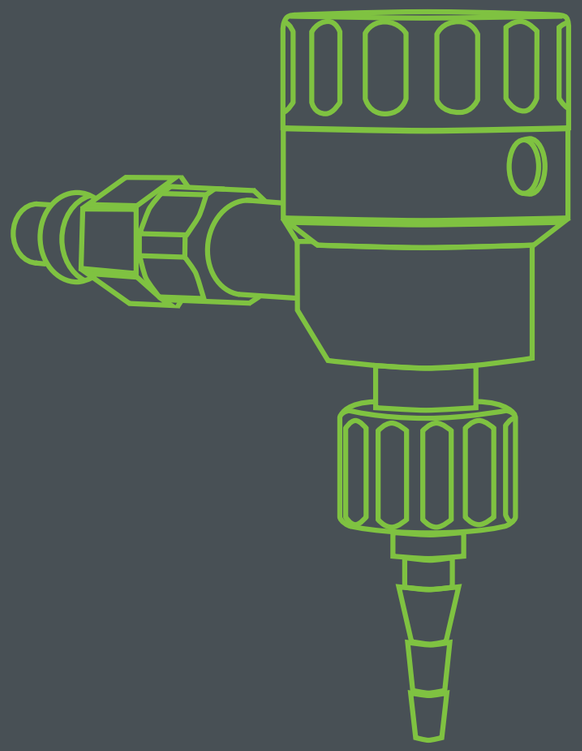
Compressed gas regulator, O2, controllable, plug-in unit, DIN	900.758
Compressed gas regulator, AIR, controllable, plug-in unit, DIN	900.896
Compressed gas regulator, special gas, controllable, plug-in unit, DIN	900.768

COMPRESSED GAS REGULATOR, PRESET (hose connection has to be ordered separately)

Compressed gas regulator, O2, preset, plug-in unit, DIN (please specify pressure)	900.757
Compressed gas regulator, AIR, preset, plug-in unit, DIN (please specify pressure)	900.895
Compressed gas regulator, special gas, preset, plug-in unit, DIN (please specify pressure)	900.767

HOSE CONNECTION FOR COMPRESSED GAS REGULATOR AND PRÄZICON I, II

O2 hose connection (M12 x1a) with 6 mm barbed connector, DIN 13252	900.610
AIR hose connection (M20 x1.5i) with 6 mm barbed connector, DIN 13252	900.614
N2 hose connection (G1/4") with 6 mm barbed connector, DIN 13252	900.629



FLOWMETERS

Kolibri compact flowmeter

PLUG-IN UNIT

Kolibri, plug-in unit

Kolibri double flowmeter, plug-in unit

USAGE

Medical, stop-adjustable compact flowmeter for medical compressed gases in accordance with DIN EN ISO 15002. The Kolibri compact flow meter has an impressively compact design. The precise adjustment of the flow steps and the robustness of the entire unit are properties that combine user-friendliness and economy optimally. Plug-in unit for direct coupling to a DIN tapping point.

TECHNICAL DATA

Gas type:	O2 or AIR (other gases on request)
Primary pressure:	450 kPa ± 50 kPa
Design:	10-step stop adjust flow meter
Material:	brass, matt chrome-plated Adjusting ring: POM plastic Plug-in connector: Stainless steel V2A
Inlet:	Plug connector in acc. with DIN 13260 Part 2:2013*
Outlet:	9/16“-18 UNF with flow barbed connector**

*other plug connectors / national standards on request
**suitable for connecting reusable or disposable humidifiers

PERFORMANCE*

Stop	1	2	3	4	5	6	7	8	9	10	
Standard	0.5	1	1.5	2	3	4	6	8	12	15	l/min
Standard+	0.5	1	2	4	6	8	10	12	15	30+	l/min
Children	0.1	0.3	0.5	0.6	0.8	1	2	3	4	5	l/min
Neonatal	0.1	0.15	0.2	0.25	0.3	0.4	0.5	0.6	0.8	1	l/min

*Setting accuracy: ± 20 % of set value (at flows ≤ 1.5 l/min: ± 30 % of set value

KOLIBRI FLOWMETERS, PLUG-IN UNIT

Kolibri compact flowmeter, Standard, O2, 0-15 l/min, plug-in unit, DIN	901.400
Kolibri compact flowmeter, Standard+, O2, 0-30 l/min, plug-in unit, DIN	901.401
Kolibri compact flowmeter, Children, O2, 0-5 l/min, plug-in unit, DIN	901.404
Kolibri compact flowmeter, Neo, O2, 0-1 l/min, plug-in unit, DIN	901.405
Kolibri compact flowmeter, O2, 10 flows selectable, plug-in unit, DIN	901.406
Kolibri compact flowmeter, AIR, fixed flow 6 l/min, plug-in unit, DIN	901.402
Kolibri compact flowmeter, AIR, fixed flow 8 l/min, plug-in unit, DIN	901.403
Kolibri compact flowmeter, Standard, AIR, 0-15 l/min, plug-in unit, DIN	901.491
Kolibri compact flowmeter, AIR, 10 flows selectable, plug-in unit, DIN	901.407

KOLIBRI DOUBLE FLOWMETERS, PLUG-IN UNIT

Kolibri double compact flowmeter, O2, 0-15 l/min, plug-in unit, DIN	901.408
Kolibri double compact flowmeter, AIR, 0-15 l/min, plug-in unit, DIN	500.248

Tube flowmeter

PLUG-IN UNIT

USAGE

Medical tube flowmeter in accordance with DIN EN ISO 15002.
Chrome-plated all-metal housing with a fine control valve for continuous adjustment of the flow. Measuring tubes with floats to display the set value. The outlet has a 9/16“-18 UNF thread for direct connection to e.g. disposable humidifiers. Plug-in unit for direct coupling to a DIN tapping point.

Tube flowmeter, plug-in unit

Double flowmeter, plug-in unit

TECHNICAL DATA

Gas type:	O2 + AIR (other gases on request)
Primary pressure:	450 kPa ± 50 kPa
Design:	Pressure-compensated flow meter for medical gases. Display based on the float principle.
Material:	Control valve, hand wheel: brass, chrome-plated Plug connector: Stainless steel Measuring tube sleeve + measuring tubes: plastic
Inlet:	Plug connector in acc. with DIN 13260 Part 2:2013*
Outlet:	9/16“-18 UNF thread, suitable for connecting humidifiers or disposable humidifiers

*other plug connectors / national standards on request

TUBE FLOWMETERS, PLUG-IN UNITS

Flowmeter, O2, 0-6 l/min, plug-in unit, DIN	900.751
Flowmeter, O2, 0-15 l/min, plug-in unit, DIN	900.753
Flowmeter, O2, 0-30 l/min, plug-in unit, DIN	900.755
Flowmeter, O2, 0-6 l/min, extended, plug-in unit, DIN	900.752
Flowmeter, O2, 0-15 l/min, extended, plug-in unit, DIN	900.754
Flowmeter, O2, 0-30 l/min, extended, plug-in unit, DIN	900.756
Flowmeter, AIR, 0-15 l/min, plug-in unit, DIN	900.893
Flowmeter, AIR, 0-15 l/min, extended, plug-in unit, DIN	900.894

DOUBLE FLOWMETERS, PLUG-IN UNITS

Double flowmeter, O2, 0-6 l/min, plug-in unit, DIN	900.746
Double flowmeter, O2, 0-15 l/min, plug-in unit, DIN	900.745
Double flowmeter, O2, 0-30 l/min, plug-in unit, DIN	900.747
Double flowmeter, AIR, 0-15 l/min, plug-in unit, DIN	900.748

Kolibri compact flowmeter

RAIL-MOUNT UNIT

Kolibri, rail-mount unit

Kolibri double flowmeter, rail-mount unit

USAGE

Medical, stop-adjustable compact flowmeter for medical compressed gases in accordance with DIN EN ISO 15002. The Kolibri compact flow meter has an impressively compact design. The precise adjustment of the flow steps and the robustness of the entire unit are properties that optimally combine user-friendliness and economy. Rail-mount unit, incl. a rail claw for attaching to a standard device rail (25x10 mm). Pressure inlet integrated into the rail claw (NIST).

TECHNICAL DATA

Gas type:	O2 + AIR (other gases on request)
Primary pressure:	450 kPa ± 50 kPa
Design:	10-step stop adjust flow meter*
Material:	brass, chrome-plated Adjusting ring: POM plastic
Inlet:	NIST housing in accordance with DIN EN ISO 18082
Outlet:	9/16“-18 UNF with barbed connector*

**suitable for connecting reusable or disposable humidifiers

PERFORMANCE*

Stop	1	2	3	4	5	6	7	8	9	10	
Standard	0,5	1	1,5	2	3	4	6	8	12	15	l/min
Standard+	0,5	1	2	4	6	8	10	12	15	30+	l/min
Children	0.1	0.3	0.5	0.6	0.8	1	2	3	4	5	l/min
Neonatal	0.1	0.15	0.2	0.25	0.3	0.4	0.5	0.6	0.8	1	l/min

*Setting accuracy: ± 20 % of set value (at flows ≤ 1.5 l/min: ± 30 % of set value

KOLIBRI FLOWMETERS, RAIL-MOUNT UNIT, NIST (without connection hose)

Kolibri Standard compact flowmeter, O2, 0-15 l/min, rail-mount unit, NIST	902.600
Kolibri Standard+ compact flowmeter, O2, 0-30 l/min, rail-mount unit, NIST	902.601
Kolibri Children compact flowmeter, Standard, O2, 0-5 l/min, rail-mount unit, NIST	902.602
Kolibri Neo compact flowmeter, O2, 0-1 l/min, rail-mount unit, NIST	902.603
Kolibri compact flowmeter, O2, 10 flows selectable, rail-mount unit, NIST	902.604
Kolibri flowmeter, AIR, fixed flow 6 l/min, rail-mount unit, NIST	902.605
Kolibri flowmeter, AIR, fixed flow 8 l/min, rail-mount unit, NIST	902.606
Kolibri flowmeter, AIR, 0-15 l/min, rail-mount unit, NIST	902.608
Kolibri flowmeter, AIR, 0-30 l/min, rail-mount unit, NIST	902.609
Kolibri flowmeter, AIR, 10 flows selectable, rail-mount unit, NIST	902.607

KOLIBRI DOUBLE FLOWMETERS, RAIL-MOUNT UNIT, NIST

Kolibri Standard double flowmeter, O2, 0-15 l/min, rail-mount unit, NIST	902.678
Kolibri double flowmeter, Standard, AIR, 0-15 l/min, rail-mount unit, NIST	902.679

Tube flowmeter

RAIL-MOUNT UNIT

USAGE

Medical flowmeter in accordance with DIN EN ISO 15002.
Rail-mount unit, incl. a rail claw for attaching to a standard device rail (25x10 mm). Pressure inlet integrated into the rail claw (NIST).
Chrome-plated all-metal housing with a fine control valve for continuous adjustment of the flow. Measuring tubes with floats to display the set value.
The outlet has a 9/16“-18 UNF thread for direct connection to e.g. disposable humidifiers.

Tube flowmeter, rail-mount unit

TECHNICAL DATA

Gas type:	O2 + AIR (other gases on application)
Primary pressure:	450 kPa ± 50 kPa
Design:	Flow meter for medical gases. Display based on the float principle.
Material:	Control valve, hand wheel: brass, chrome-plated Measuring tube sleeve + measuring tubes: plastic
Inlet:	NIST housing in accordance with DIN EN ISO 18082
Outlet:	9/16"-18 UNF thread*

*suitable for connecting reusable or disposable humidifiers

Double flowmeter, rail-mount unit

FLOWMETERS, RAIL-MOUNT UNIT, NIST (without connection hose)

Flowmeter, O2, 0-6 l/min	902.610
Flowmeter, O2, 0-15 l/min	902.611
Flowmeter, O2, 0-30 l/min	902.612
Flowmeter, AIR, 0-15 l/min	902.613

DOUBLE FLOWMETERS, RAIL-MOUNT UNIT, NIST (without connection hose)

Double flowmeter, O2, 0-15 l/min	902.620
Double flowmeter, AIR, 0-15 l/min	902.621

Medication nebuliser

NEBULISER PLUG-IN VALVE WITH CLAMP

Nebuliser plug-in valve with clamp

USAGE

In conjunction with a medication nebuliser for dosed dispensing of medical compressed air or medical oxygen for the inhalation of medications in the form of aerosols.

Incl. side clamp for attaching e.g. disposable medication nebulisers.

TECHNICAL DATA

Gas type:	Med. Compressed air (AIR) / Oxygen (O2)
Primary pressure:	450 kPa ± 50 kPa primary pressure
Design:	Dosage valve, with quick-action valve
Material:	brass, matt chrome-plated
Inlet:	Plug connector in accordance with DIN 13260 Part 2: 2013*
Outlet:	9/16“-18 UNF with barbed connector
Performance:	Up to 5 l/min ± 0.5 l/min

*other plug connectors / national standards on request

NEBULISER PLUG-IN VALVE WITH CLAMP

Nebuliser plug-in valve with clamp, AIR/O2, 05 l/min, plug-in unit, DIN	900.865

Medication nebuliser

NEBULISER PLUG-IN VALVE WITH PARKING POSITION

USAGE

Nebuliser plug-in valve, preset to 5 l/min; in conjunction with "Respi-Jet" Kendall medication nebuliser for dosed dispensing of medications in the form of aerosols.

For direct coupling to a compressed air tapping point; the upper ring is shaped such that the Respi-Jet nebuliser can be "parked" on the valve when not in use.

Nebuliser plug-in valve

TECHNICAL DATA

Gas type:	Med. Compressed air (AIR) / Oxygen (O2)
Primary pressure:	450 kPa ± 50 kPa
Design:	Dosage valve with quick-action valve
Material:	brass, polished chrome-plated
Inlet:	Plug connector in accordance with DIN 13260 Part 2: 2013*
Outlet:	9/16"-18 UNF thread
Performance:	preset 5 l/min ± 0.5 l/min

*other plug connectors / national standards on request

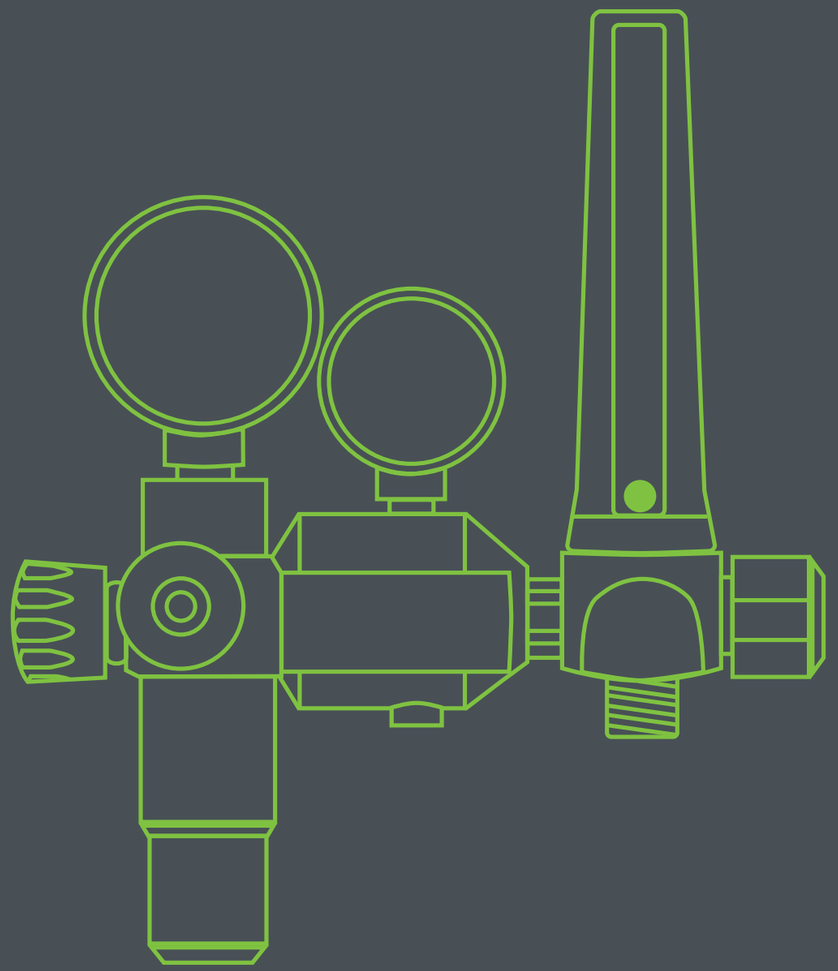
Application example

NEBULISER PLUG-IN VALVE WITH PARKING POSITION

Nebuliser plug-in valve PP*, AIR/O2, 05 l/min, plug-in unit, DIN	900.765

(*PP: Parking position)

Parking position



COMBINED UNITS

Habicht variants

AREAS OF APPLICATION

Basic variant, portable Item no. 902.696

HABICHT PORTABLE EMERGENCY TREATMENT UNIT

O2 supply unit for Suction and insufflation for stationary or mobile use. The unit be suspended from the patient's bed or from a standard device rail, and works independently of any central gas or power supply.

possible equipment variants

HABICHT SUCTION AND INSUFFLATION UNIT

Serves for connection to oxygen cylinders. It consists of a pressure reducer, Specht vacuum regulator and tube flow meter, or Kolibri flow meter and is used predominantly in emergency treatment situations.

The unit is also available for attachment to a standard device rail. This rail-mounted unit consists of a Specht -90 ejector regulator, a Kolibri compact flow meter and optionally an additional plug-in outlet for operating a further unit (e.g. an emergency ventilator).

Habicht portable emergency treatment unit

GREGGERSEN

USAGE

Portable stainless steel frame, pressure regulator (Precicon III) with high-pressure manual connector in accordance with DIN 477-1, preset with volume manometer and safety valve. Tube flow meter with fine-dosing valve for regulating the flow. Woodpecker -90 ejector with a vacuum meter and fine-dosing valve. Includes a 1.5 m hose with right-angle connector. Optional: Oxygen cylinder 2 or 3 litre (empty).

TECHNICAL DATA

Gas type:	Oxygen (O2)
Design:	Carrying frame with carrying handle. For standing up, Suspend on a standard device rail (25x10 mm) or suspend on beds.
Material:	Carrying frame: Stainless steel regulator unit: brass, chrome-plated
Compatible oxygen bottles:	max. Ø = 100 mm
PRESSURE REDUCERS	see chapter Pressure reducers
FLOW METERS	see chapter Flow meters and Precicon III
VACUUM REGULATOR	see chapter Vacuum regulators / Woodpecker -90

BASIC VARIANTS, PORTABLE (NOT READY FOR OPERATION)

Habicht with tube flow meter, 0-15 l/min	902.696
Habicht with Kolibri compact flow meter 0-15 l/min	902.697

ACCESSORIES NECESSARY FOR OPERATION

PRESSURE REDUCERS	
Precicon III, O2 DIN, DIN coupling, short	910.158
Alternatively: Falke w/o Flow O2 DIN +1DIN (upward)	910.374
Alternatively: Falke w/o Flow O2 DIN +1DIN (downward)	910.382
LOW-PRESSURE HOSE	
Right-angle connector, O2, 1.5 m hose DIN-NIST neutral	900.038
Alternatively: Right-angle connector, O2, 1.5 m hose DIN-NIST ISO	902.410
Alternatively: Right-angle connector, O2, 0.55 m hose DIN-NIST neutral	500.390

OPTIONAL ACCESSORIES

Drainage bottle with overflow protection 0.25 l – AIR	900.911
Humidifier unit 0.25 l	904.836

i

MODULAR PRINCIPLE
The large number of accessory options allows a solution tailored to the customer's needs (modular principle). There are two item numbers for the carrying frame including block with ejector and flow meter, inlet NIST O2 as basis (not ready for operation). Please then select the accessories necessary for operation.

Habicht pressure regulator unit

WITH CYLINDER CONNECTION

USAGE

Pressure regulator unit for connection to an oxygen cylinder, with volume manometer and safety valve. Includes a downstream tube flow meter with a fine-dosing valve for regulating the flow and a Specht -90 ejector with a vacuum gauge and fine-dosing valve.

Item no. 910.003

TECHNICAL DATA

PRESSURE REGULATOR UNIT	
Gas type:	Oxygen
Primary pressure:	Max. 20,000 kPa (P1)
Inlet:	gas-specific manual connector in accordance with DIN 477-1
Design:	Spring-loaded membrane pressure reducer in accordance with DIN EN ISO 10524-1 with manometer, display 0-31,500 kPa
Material:	brass, polished chrome-plated
FLOWMETERS	
Design:	Tube flow meter in accordance with DIN EN ISO 15002 Pressure-compensated, incl. fine-control valve or stop adjust flow meter
Material:	brass, chrome-plated
Outlet:	9/16"18 UNF thread
Performance:	0 – 15 l/min
SPECHT VACUUM REGULATOR	
Design: principle	Vacuum generation according to the Venturi
Material:	Housing: brass, chrome-plated quick-action valve
Regulation range:	see Specht -90
Outlet:	9/16“-18 UNF with barbed vacuum connector

HABICHT PRESSURE REDUCER O2: SUCTION + INSUFFLATION UNIT

Habicht O2: Specht -90 + tube flow meter	910.003
Habicht O2: Specht -90 + Kolibri flow meter	500.046

Habicht combined unit

RAIL-MOUNT UNIT

USAGE

Rail-mount unit for attaching to a standard device rail 25 x 10 mm. Consists of a Kolibri compact flow meter for dosing the flow and a Specht -90 ejector with a vacuum gauge, fine-dosing valve and quick-action valve.

Accessories necessary for operation:
- Connection hose

The following accessories can be connected:
- Drainage system (recommended)
- Nebuliser or humidifier (disposable or reusable)

Item no. 902.676

TECHNICAL DATA

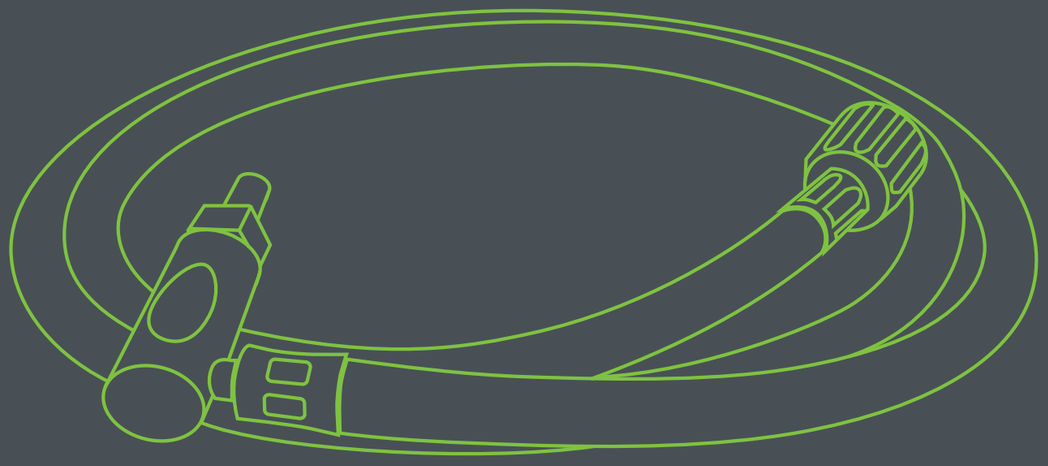
RAIL UNIT	
Gas type:	Oxygen
Primary pressure:	450 kPa ± 50 kPa
Inlet:	NIST housing in accordance with DIN EN ISO 18082
Design:	Rail bracket with knurled nut for standard device rail 25 x 10 mm Gas inlet integrated
Material:	brass, polished chrome-plated
KOLIBRI FLOWMETER	
Design:	10-step stop adjust flow meter in accordance with DIN EN ISO 15002; Standard 0-15 l/min
Material:	Housing: brass, chrome-plated
Adjusting ring:	plastic
Outlet:	9/16“-18 UNF with barbed connector*
SPECHT -90 VACUUM REGULATOR	
Design: principle	Vacuum generation according to the Venturi
Material:	Housing: brass, chrome-plated incl. quick-action valve
Regulation range	see Specht -90
Outlet:	9/16“-18 UNF with barbed vacuum connector

*suitable for connecting humidifiers or disposable humidifiers

HABICHT F. RAILS, NIST (connection hose / see Page 044)

Habicht O2: Specht -90 + Kolibr flow meter, NIST	902.676
Habicht O2: Specht -90 + Kolibr flow meter, rail, NIST	902.677

ACCESSORIES



Plug connectors with hose and NIST fitting

Neutral colour

USAGE

Low-pressure hose system for medical gases in accordance with DIN EN ISO 5359.
For coupling into a gas tapping point.
Colour coding: neutral colour

TECHNICAL DATA

Design:	Hose: neutral colour – black Gas type labelling in white Date of manufacture (month/year) stamped into the press-in sleeve
Inlet:	Right-angle connector - gas-specific in accordance with DIN 13260-2*
Outlet:	NIST screw fitting - in accordance with DIN EN ISO 18082
Length:	1.5 m - 3 m - 5 m (other lengths on request)
Pressure drop:	‹ 80 kPa at 320 kPa and 200 l/min [compressed gases] ‹ 20 kPa at 60 kPa and 25 l/min [vacuum]

(*other country-specific connections on request)

PLUG CONNECTORS, DIN, HOSE COLOUR NEUTRAL, NIST SCREW FITTING

HOSE LENGTH: 1.5 m	
Plug connector, DIN, O2, 1.5 m hose, NIST	900.038
Plug connector, DIN, AIR, 1.5 m hose, NIST	900.040
Plug connector, DIN, AIR/O2 combined unit, 1.5 m hose, NIST	902.420
Plug connector, DIN, VAC, 1.5 m hose, NIST	900.039
Plug connector, DIN, N2O, 1.5 m hose, NIST	900.042
Plug connector, DIN, CO2, 1.5 m hose, NIST	900.045
HOSE LENGTH: 3 m	
Plug connector, DIN, O2, 3 m hose, NIST	900.360
Plug connector, DIN, AIR, 3 m hose, NIST	900.362
Plug connector, DIN, AIR/O2 combined unit, 3 m hose, NIST	902.421
Plug connector, DIN, VAC, 3 m hose, NIST	900.361
Plug connector, DIN, N2O, 3 m hose, NIST	900.364
Plug connector, DIN, CO2, 3 m hose, NIST	900.365
HOSE LENGTH: 5 m	
Plug connector, DIN, O2, 5 m hose, NIST	900.370
Plug connector, DIN, AIR, 5 m hose, NIST	900.470
Plug connector, DIN, AIR/O2 combined unit, 5 m hose, NIST	900.472
Plug connector, DIN, VAC, 5 m hose, NIST	900.473
Plug connector, DIN, N2O, 5 m hose, NIST	900.471
Plug connector, DIN, CO2, 5 m hose, NIST	900.375

USAGE

Low-pressure hose system for medical gases in accordance with DIN EN ISO 5359.
For coupling into a gas tapping point.
Colour coding: gas-specific in accordance with ISO 32.

TECHNICAL DATA

Design:	Tubing: Colour coding in accordance with ISO 32 Gas type labelling Date of manufacture stamped into the press-in sleeve
Inlet:	Right-angle connector - gas-specific in accordance with DIN 13260-2*
Outlet:	NIST screw fitting - gas-specific in accordance with DIN EN ISO 18082
Length:	1.5 m - 3 m - 5 m (other lengths on request)
Pressure drop:	‹ 80 kPa at 320 kPa and 200 l/min [compressed gases] ‹ 20 kPa at 60 kPa and 25 l/min [vacuum]

(*other country-specific connections on request)

ISO 32

PLUG CONNECTORS, HOSE ISO32, NIST SCREW FITTING

HOSE LENGTH: 1.5 m	
Plug connector, DIN, O2, 1.5 m ISO 32 hose (white), NIST	902.410
Plug connector, DIN, AIR, 1.5 m ISO 32 hose (black/white), NIST	902.414
Plug connector, DIN, AIR/O2 combined unit, 1.5 m ISO 32 hose (white/black), NIST	902.418
Plug connector, DIN, VAC, 1.5 m ISO 32 hose (yellow), NIST	902.416
Plug connector, DIN, N2O, 1.5 m ISO 32 hose (blue), NIST	902.412
Plug connector, DIN, CO2, 1.5 m ISO 32 hose (grey), NIST	902.408
HOSE LENGTH: 3 m	
Plug connector, DIN, O2, 3 m ISO 32 hose (white),NIST	902.411
Plug connector, DIN, AIR, 3 m ISO 32 hose (black/white), NIST	902.415
Plug connector, DIN, AIR/O2 combined unit, 3 m ISO 32 hose (white/black), NIST	902.419
Plug connector, DIN, VAC, 3 m ISO 32 hose (yellow), NIST	902.417
Plug connector, DIN, N2O, 3 m ISO 32 hose (blue), NIST	902.413
Plug connector, DIN, CO2, 3 m ISO 32 hose (grey), NIST	902.409
HOSE LENGTH: 5 m	
Plug connector, DIN, O2, 5 m ISO 32 hose (white), NIST	900.474
Plug connector, DIN, AIR, 5 m ISO 32 hose (black/white), NIST	900.475
Plug connector, DIN, AIR/O2 combined unit, 5 m ISO 32 hose (white/black), NIST	900.477
Plug connector, DIN, VAC, 5 m ISO 32 hose (yellow), NIST	900.478
Plug connector, DIN, N2O, 5 m ISO 32 hose (blue), NIST	900.476
Plug connector, DIN, CO2, 5 m ISO 32 (grey), NIST	900.469

Plug connectors

Plug connector

AGFS connectors

Air motor connector

PLUG CONNECTOR

For individual connection of medical devices to a tapping point

TECHNICAL DATA

Design:	Matt chrome-plated all-metal brass housing
Inlet:	Stainless steel front part of plug in acc. with DIN 13260-2* for compressed gases with non-return valve
Outlet:	barbed connector, suitable f. hose with 6.7 mm Øi

(*other country-specific connections on request)

PLUG-IN CONNECTORS FOR ANAESTHETIC GAS SUPPLY AND ANAESTHETIC GAS SUCTION SYSTEM

TECHNICAL DATA

Design:	Suction plug-in connectors with hose connector in accordance with DIN EN ISO 9170-2
Material:	NGA: brass, chrome-plated / AGFS: stainless steel
Outlet:	outer Ø 22 mm

AIR MOTOR PLUG-IN CONNECTORS

TECHNICAL DATA

Design:	Plug-in connectors with hose connector for pneumatic tools, black anodised all-metal housing: with barbed connectors for feed and return systems.
Material:	brass, chrome-plated
Outlet:	inner 6.7 mm barbed hose connector/outer ø 22 mm

PLUG CONNECTORS

PLUG CONNECTORS with 6.7 mm BARBED FITTING	
Plug connector, DIN 13260, O2, with 6.7 mm barbed connector	900.611
Plug connector, DIN 13260, AIR, with 6.7 mm barbed connector	900.613
Plug connector, DIN 13260, combined AIR/O2, with 6.7 mm barbed connector	900.416
Plug connector, DIN 13260, VAC, with 6.7 mm barbed connector	900.612
Plug connector, DIN 13260, N20, with 6.7 mm barbed connector	900.615
Plug connector, DIN 13260, CO2, with 6.7 mm barbed connector	900.608
Plug connector, DIN 13260, special gases, with 6.7 mm barbed connector	900.729
Press-in sleeve, Stainless steel, neutral, for 6.7 mm hoses	102.284
ANAESTHETIC GAS Suction AND AIRMOTOR PLUG-IN CONNECTORS	
Anaesthetic gas Suction plug-in connector, NGA GD, straight, 23 mm barbed connector, DIN	901.058
Anaesthetic gas Suction plug-in connector, NGA GD, angled, 23 mm barbed connector, DIN	901.059
Anaesthetic gas Suction plug-in connector, AGFS, DIN EN 737-2/4, straight	902.071
Anaesthetic gas Suction plug-in connector, AGFS, DIN EN 737-2/4, angled 45°	902.095
Air motor plug-in connector, 23 mm barbed connector, DIN	901.057

NIST screw connectors and hoses

GREGGERSEN

NIST SCREW CONNECTORS

Gas-specific screw connectors in accordance with DIN EN ISO 18082 with barbed connector for a hose with 6.7 mm inner diameter.

NIST SCREW CONNECTOR WITH 6.7 MM BARBED CONNECTOR

NIST screw connector with 6.7 mm barbed connector, O2	900.650
NIST screw connector with 6.7 mm barbed connector, AIR	900.651
NIST screw connector with 6.7 mm barbed connector, VAC	900.653
NIST screw connector with 6.7 mm barbed connector, N20	900.652
NIST screw connector with 6.7 mm barbed connector, AIR/O2	900.656
NIST screw connector with 6.7 mm barbed connector, CO2	900.655
NIST screw connector with 6.7 mm barbed connector, AIR-800	900.654
Press-in sleeve, Stainless steel, neutral, for 6.7 mm hoses	102.284

MEDICAL CONNECTION HOSE

In 100 metre rolls.
Available in neutral colour (black) or colour-coded in accordance with ISO 32.
approx. 6.7 mm inner diameter
approx. 12 mm outer diameter

CONNECTION HOSES

CONNECTION HOSE – NEUTRAL COLOUR – 100 METRE ROLL	
Connection hose 6.7 mm, O2, black	900.343
Connection hose 6.7 mm, AIR, black	900.346
Connection hose 6.7 mm, VAC, black	900.347
Connection hose 6.7 mm, N2O, black	900.348
Connection hose 6.7 mm, AIR/O2, black	102.259
Connection hose 6.7 mm, gas neutral, black (labelling "Greggersen")	900.345
CONNECTION HOSE – ISO 32 – 100 METRE ROLL	
Connection hose 6.7 mm, O2, ISO white	900.339
Connection hose 6.7 mm, AIR, ISO black/white	900.342
Connection hose 6.7 mm, VAC, ISO yellow	900.337
Connection hose 6.7 mm, N2O, ISO blue	900.336
Connection hose 6.7 mm, combined AIR/O2, white/black	900.349

Screw connection

neutral colour ⇧

ISO 32 ⇩

Forano terminal unit block

USAGE

Terminal unit block with 2 or 3 gas outlets in accordance with DIN EN ISO 9170-1.
For securing to a standard device rail by means of a rail claw with a knurled nut.
Scope of delivery: unit without connecting hose; NIST gas inlet

Terminal unit block 2x, ISO 32

TECHNICAL DATA

Gas type:	O2/AIR/N2O/VAC/CO2
Design:	block in all-metal design
Material:	aluminium, anodised
Inlet:	NIST – gas-specific in acc. with DIN EN ISO 18082
Outlet:	2 or 3 tapping points in accordance with DIN EN ISO 9170-1 for plug connector in accordance with DIN 13260-2
Dimensions (WxHxD) / Weight:	Double unit: 125 x 55 x 55 mm / 1.6 kg Triple unit: 175 x 55 x 55 mm/2.4 kg
Colour coding:	Colour coding or in accordance with ISO 32
Performance:	As a function of the feed from the central gas supply system

FORANO DOUBLE TU* BLOCK, RAIL-MOUNT(**), NEUTRAL COLOUR

Double TU* block, O2, DIN, rail-mount, NIST (*)	903.420
Double TU* block, AIR, DIN, rail-mount, NIST (*)	903.421
Double TU* block, VAC, DIN, rail-mount, NIST (*)	903.422
Double TU* block, N2O, DIN, rail-mount, NIST (*)	903.423
Double TU* block, CO2, DIN, rail-mount, NIST (*)	903.424

FORANO DOUBLE TU* BLOCK, RAIL-MOUNT(**), ISO 32

Double TU* block, O2, DIN, rail-mount, NIST (*)	903.410
Double TU* block, AIR, DIN, rail-mount, NIST (*)	903.411
Double TU* block, VAC, DIN, rail-mount, NIST (*)	903.412
Double TU* block, N2O, DIN, rail-mount, NIST (*)	903.413
Double TU* block, CO2, DIN, rail-mount, NIST (*)	903.414

FORANO TRIPLE TU* BLOCK, RAIL-MOUNT(**), NEUTRAL COLOUR

Triple TU* block, O2, DIN, rail-mounted unit, NIST (*)	903.425
Triple TU* block, AIR, DIN, rail-mounted unit, NIST (*)	903.426
Triple TU* block, N2O, DIN, rail-mounted unit, NIST (*)	903.428
Triple TU* block, CO2, DIN, rail-mounted unit, NIST (*)	903.429

FORANO TRIPLE TU* BLOCK, RAIL-MOUNT(**), ISO 32

Triple TU* block, O2, DIN, rail-mount, NIST (*)	903.415
Triple TU* block, AIR, DIN, rail-mount, NIST (*)	903.416
Triple TU* block, N2O, DIN, rail-mount, NIST (*)	903.418
Triple TU* block, CO2, DIN, rail-mount, NIST (*)	903.419

(* TU: Terminal unit)
(**connection hose / see Page 044)

Quick coupling

Quick coupling

APPLICATION

Quick coupling for compressed gases or vacuum.

This accessory allows a barbed hose connector to be attached to the inlet. This provides an option of using the coupling as a hose coupling (flying coupling).

TECHNICAL DATA

Material:	Basis: brass, chrome-plated release barbed connector: plastic
Inlet:	barbed connector, suitable f. hose with 6.7 mm Øi
Outlet:	Outlet in acc. with DIN EN ISO 9170-1 for plug connector in accordance with DIN 13260-2

QUICK COUPLING

Quick coupling, O2, type DIN	905.090
Quick coupling, AIR, type DIN	905.092
Quick coupling, VAC, type DIN	905.093
Quick coupling, N2O, type DIN	905.091
Quick coupling, CO_2, type DIN	905.096

Double quick coupling

DOUBLE QUICK COUPLING (Y-JUNCTION)

Plug-in device – for compressed gases or vacuum. Plug-in unit for coupling into a terminal unit. The flow is divided by means of the Y-junction to 2 plug-in couplings. Each plug-in coupling is designed to comply with DIN EN ISO 9170-1.

TECHNICAL DATA

Material:	Basis: brass, chrome-plated release barbed connector: plastic
Inlet:	Plug connector – Gas-specific in acc. with DIN 13260-2
Outlet:	2x quick coupling in acc. with DIN 9170-1
Dimensions (WxHxD) / Weight:	125 x 32 x 115 mm / approx. 420 g

DOUBLE QUICK COUPLING (Y-JUNCTION)

Double quick coupling (Y-junction), O2, type DIN	901.120
Double quick coupling (Y-junction), AIR, type DIN	901.130
Double quick coupling (Y-junction), VAC, type DIN	901.140
Double quick coupling (Y-junction), N2O, type DIN	901.150
Double quick coupling (Y-junction), CO_2, type DIN	901.119
Double quick coupling (Y-junction), special gases, type DIN	901.160

Equipment rail, 25x10mm

GREGGERSEN

APPLICATION

Standard rail for accommodating medical equipment in accordance with DIN EN ISO 19054.
Consisting of:
Hollow rail made of stainless steel.
Smooth, polished surface.
Concealed terminal unit for potential equalisation incl. clamping connector.
Wall mounting at approx. 40 mm separation incl. covering plate,
spacing between rail-mounting clamps max. 400 mm.

Equipment rail

TECHNICAL DATA

Material:	1.4301 Cr-Ni steel (V2A)
Dimensions:	25 x 10 mm (H x W)
Capacity:	50 kg / running metre

NUMBER OF RAIL BRACKETS

Length of the rails [mm]	Number of rail brackets [pcs.]	Length of the rails [mm]	Number of rail brackets [pcs.]
240 - 850	2	3260-3650	9
860-1250	3	3660-4050	10
1260-1650	4	4060-4450	11
1660-2050	5	4460-4850	12
2060-2450	6	4860-5250	13
2460-2850	7	5260-5650	14
2860-3250	8	5660-6050	15

Rail bracket

STANDARD RAIL

Rail (price per metre)	904.000
Rail bracket with potential connector, white	904.100
Rail bracket with potential connector, black	904.101
Rail bracket (110 mm) with potential connector, white	904.151
Rail bracket (110 mm) with potential connector, black	904.152
Connection plate for device rail	904.200
End-pieces for device rail (2x), white	904.310
End-pieces for device rail (2x), black	904.300

Medical accessories

DRAINAGE OVERFLOW BOTTLE, HUMIDIFIER BOTTLE

Drainage overflow bottle

USE OF DRAINAGE OVERFLOW BOTTLE

Drainage overflow bottle (250 ml) to protect the vacuum regulator against oversuction with secretion or body fluids. Sterilisable to 134°C

TECHNICAL DATA

Design:	Suitable for connection to a vacuum regulator. Bottle with 250 ml total volume
Material:	Head: brass, chrome-plated Bottle: plastic
Inlet:	9/16"-18 UNF union nut
Outlet:	Barbed vacuum connector

DRAINAGE OVERFLOW BOTTLE

Drainage overflow bottle 250 ml	900.913
Drainage overflow bottle 250 ml f. AIR or Woodpecker	900.911

Humidifier bottle

USE OF HUMIDIFIER BOTTLE

For use in insufflation or inhalation.
Humidifier-sputterer for the humidification of e.g. oxygen, compressed air.

TECHNICAL DATA

Design:	Suitable for connection to a flowmeter. Bottle with 250 ml total volume for sterile water (aqua dest.).
Material:	Head: brass, chrome-plated Bottle: plastic
Medium:	O2 + AIR
Inlet:	9/16"-18 UNF (union nut)
Outlet:	6 mm barbed connector (humidifier)
Dimensions (WxHxD) / Weight:	90x190x55 mm / 335 g (humidifier)

HUMIDIFIER BOTTLE

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

Medical accessories

OTHER

ACCESSORIES FOR PORTABLE SUPPLY UNIT

Hose connection for flow meter, 9/16" with stepped barbed connector	900.619
Hose connection for vacuum regulator	900.628

FLOWMETER SPARE PARTS

Hose connector for flow meter with 9/16" union nut	900.619
Measuring tube, 0-6 l/min incl. measuring ball	900.490
Measuring tube, 0-15 l/min incl. measuring ball	900.491
Measuring tube, 0-30 l/min incl. measuring ball	900.492
Measuring tube	900.493
Flow meter repair kit	900.430
Hummingbird flow meter repair kit	900.431
Med. flow meter servicing fee	902.049
Hummingbird flow meter servicing fee	902.047

Notes

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