

# MEDICAL DEVICES BY GREGGERSEN



## CATALOG FLOWMETER

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## Kolibri compact flowmeter

### PLUG-IN UNITS

#### APPLICATIONS

Medical, stop-adjustable compact flowmeter for oxygen and compressed air in accordance with DIN EN ISO 15002. Plug-in unit for direct coupling to a DIN outlet. The Kolibri compact flowmeter has an impressive 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.

#### TECHNICAL DATA

Design:	10-step flowmeter Adjusting ring: POM Housing: brass, chrome-plated	
Medium:	O <sub>2</sub> + AIR (other gases on request)	
Inlet:	Plug-in, in accordance with DIN 13260-2 – gas-specific	
3 different lengths available:	Short:	49 mm
	Standard:	69 mm
	Extended:	89 mm
Primary pressure:	450 kPa ± 50 kPa	
Outlet:	9/16"-18 UNF with flow nozzle, suitable for connecting to humidifiers or disposable humidifiers (e.g. RESPIFLO from Kendall)	
Accuracy:	±20% of set value	
Dimensions/weight:	40 x 100 x 110 mm (WxHxD) / 325 g	

#### FLOWRATES

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
Paediatric:	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	1,0	l/min

#### KOLIBRI FLOWMETER, O<sub>2</sub>, PLUG-IN UNIT

Kolibri compact flowmeter, Standard, O <sub>2</sub> , 0-15 l/min, plug-in unit, DIN	901.400
Kolibri compact flowmeter, Standard+, O <sub>2</sub> , 0-30 l/min, plug-in unit, DIN	901.401
Kolibri compact flowmeter, Paediatric, O <sub>2</sub> , 0-5 l/min, plug-in unit, DIN	901.404
Kolibri compact flowmeter, Neo, O <sub>2</sub> , 0-1 l/min, plug-in unit, DIN	901.405
Kolibri compact flowmeter, O <sub>2</sub> , 10 selectable flows, plug-in unit, DIN	901.406

#### KOLIBRI DOUBLE FLOWMETER, PLUG-IN UNIT

Kolibri double compact flowmeter, O <sub>2</sub> , 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

#### KOLIBRI FLOWMETER, AIR, PLUG-IN UNIT

Kolibri compact flowmeter, AIR, preset flow, 6 l/min, plug-in unit, DIN	901.402
Kolibri compact flowmeter, AIR, preset 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 selectable flows, plug-in unit, DIN	901.407

## Tube flowmeter

### PLUG-IN UNITS

#### APPLICATIONS

Medical, pressure-compensated tube flowmeter in accordance with DIN EN ISO 15002. Plug-in unit for direct coupling to a DIN outlet.

Chrome-plated all-metal housing with a fine control valve for continuous adjustment of the flow. Measuring tubes with float to display the set value.

The outlet has a 9/16" thread for direct connection to e.g. disposable humidifiers.

#### TECHNICAL DATA

Design:	Control valve, connector insert, hand wheel: brass, chrome-plated. Measuring tube sleeve: polycarbonate. Measuring tubes: polysulfone.
Medium:	O <sub>2</sub> + AIR (other gases on request)
Inlet:	Plug-in, in accordance with DIN 13260-2 – gas-specific
2 different lengths available:	Standard: 69 mm Extended: 89 mm
Primary pressure:	450 kPa ± 50 kPa
Outlet:	9/16"-18 UNF thread, suitable for connecting humidifiers or disposable humidifiers (e.g. RESPIFLO from Kendall)
Flowrates:	0-6 l/min 0-15 l/min 0-30 l/min
Accuracy:	± 10% of full scale
Dimensions/weight:	30 x 180 x 110 mm (WxHxD) / 330g



#### TUBE FLOWMETER, O<sub>2</sub>, PLUG-IN UNIT

Flowmeter, O <sub>2</sub> , 0-6 l/min, plug-in unit, DIN	900.751
Flowmeter, O <sub>2</sub> , 0-15 l/min, plug-in unit, DIN	900.753
Flowmeter, O <sub>2</sub> , 0-30 l/min, plug-in unit, DIN	900.755
Flowmeter, O <sub>2</sub> , 0-6 l/min, extended, plug-in unit, DIN	900.752
Flowmeter, O <sub>2</sub> , 0-15 l/min, extended, plug-in unit, DIN	900.754
Flowmeter, O <sub>2</sub> , 0-30 l/min, extended, plug-in unit, DIN	900.756

#### TUBE FLOWMETER, AIR, PLUG-IN UNIT

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 FLOWMETER, PLUG-IN UNIT

Double flowmeter, O <sub>2</sub> , 0-6 l/min, plug-in unit, DIN	900.746
Double flowmeter, O <sub>2</sub> , 0-15 l/min, plug-in unit, DIN	900.745
Double flowmeter, O <sub>2</sub> , 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-MOUNTED UNITS

#### APPLICATIONS

Medical, stop-adjustable compact flowmeter for oxygen and compressed air in accordance with DIN EN ISO 15002. The Kolibri compact flowmeter has an impressive 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. Rail-mounted unit, incl. rail clamp for attaching to a standard wall-mounted rail (25x10 mm or 30x10 mm). Pressure inlet integrated into the rail clamp (NIST).

Please order connecting hose separately.

#### TECHNICAL DATA

Design:	10-step stop-adjustable flowmeter. Brass, chrome-plated Adjusting ring made of POM. Rail clamp with knurled nut for standard wall-mounted rail 25x10 mm (30x10 mm on request)
Medium:	O <sub>2</sub> + AIR (other gases on request)
Inlet:	NIST – gas-specific in accordance with DIN EN 15908
Primary pressure:	450 kPa ± 50 kPa
Outlet:	9/16"-18 UNF with flow nozzle, suitable for connecting to humidifiers or disposable humidifiers (e.g. RESPIFLO from Kendall)
Accuracy:	±10% of set value at flows < 0.5 l/min ± 0.05 l/min
Dimensions/weight:	40 x 105 x 90 mm (WxHxD) / 675 g

#### FLOWRATES

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
Paediatric:	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	1,0	l/min

#### KOLIBRI FLOWMETER, O<sub>2</sub>, RAIL-MOUNTED UNIT, NIST, WITHOUT CONNECTING HOSE

For connecting hose, see product group accessories

Kolibri compact flowmeter, standard, O <sub>2</sub> , 0-15 l/min, rail-mounted unit, NIST	902.600
Kolibri compact flowmeter, standard+, O <sub>2</sub> , 0-30 l/min, rail-mounted unit, NIST	902.601
Kolibri compact flowmeter, paediatric, O <sub>2</sub> , 0-5 l/min, rail-mounted unit, NIST	902.602
Kolibri compact flowmeter, neo, O <sub>2</sub> , 0-1 l/min, rail-mounted unit, NIST	902.603
Kolibri compact flowmeter, O <sub>2</sub> , 10 selectable flows, rail-mounted unit, NIST	902.604

#### KOLIBRI DOUBLE FLOWMETER, O<sub>2</sub>, RAIL-MOUNTED UNIT, NIST, WITHOUT CONNECTING HOSE

For connecting hose, see product group accessories

Kolibri double compact flowmeter, standard, O <sub>2</sub> , 0-15 l/min, rail-mounted unit, NIST	901.495
Kolibri double compact flowmeter, standard, AIR, 0-15 l/min, rail-mounted unit, NIST	500.248

#### KOLIBRI FLOWMETER, AIR, RAIL-MOUNTED UNIT, NIST, WITHOUT CONNECTING HOSE

For connecting hose, see product group accessories

Kolibri compact flowmeter, AIR, preset flow, 6 l/min, rail-mounted unit, NIST	902.605
Kolibri compact flowmeter, AIR, preset low, 8 l/min, rail-mounted unit, NIST	902.606
Kolibri compact flowmeter, AIR, 0-15 l/min, rail-mounted unit, NIST	902.608
Kolibri compact flowmeter, AIR, 0-30 l/min, rail-mounted unit, NIST	902.609
Kolibri compact flowmeter, AIR, 10 selectable flows, rail-mounted unit, NIST	902.607

## Tube flowmeter

### RAIL-MOUNTED UNITS

#### APPLICATIONS

Medical, pressure-compensated flowmeter in accordance with DIN EN ISO 15002. Rail-mounted unit, incl. rail clamp for attaching to a standard wall-mounted rail (25x10 mm or 30x10 mm). Pressure inlet integrated into the rail clamp (NIST).

Chrome-plated all-metal housing with fine-control valve for continuous adjustment of the flow. Measuring tubes with float to display the set value.

The outlet has a 9/16" thread for direct connection to e.g. disposable humidifiers.

Please order connecting hose separately.

#### TECHNICAL DATA

Design:	Control valve, connector insert, hand wheel: brass, chrome-plated Measuring tube sleeve: polycarbonate Measuring tubes: polysulfone Rail claw with knurled nut For standard 25x10 mm wall-mounted rail (30x10 mm on request)
Medium:	O <sub>2</sub> + AIR (other gases on request)
Inlet:	NIST – gas-specific in accordance with DIN EN 15908
Primary pressure:	450 kPa ± 50 kPa
Outlet:	9/16"-18 UNF thread. Suitable for connecting humidifiers or disposable humidifiers (e.g. RESPIFLOW from Kendall)
Flowrates:	0-6 l/min 0-15 l/min 0-30 l/min
Accuracy:	± 10% of full scale
Dimensions/weight:	40x180x110 mm (WxHxD) / 690 g



MED FLOWMETER

#### FLOWMETER, RAIL-MOUNTED UNIT, NIST, WITHOUT CONNECTING HOSE

For connecting hose, see product group accessories

Flowmeter, O <sub>2</sub> , 0-6 l/min, rail-mounted unit, NIST	902.610
Flowmeter, O <sub>2</sub> , 0-15 l/min, rail-mounted unit, NIST	902.611
Flowmeter, O <sub>2</sub> , 0-30 l/min, rail-mounted unit, NIST	900.612
Flowmeter, AIR, 0-15 l/min, rail-mounted unit, NIST	900.613

#### DOUBLE FLOWMETER, RAIL-MOUNTED UNIT, NIST, WITHOUT CONNECTING HOSE

For connecting hose, see product group accessories

Double flowmeter, O <sub>2</sub> , 0-15 l/min, rail-mounted unit, NIST	902.620
Double flowmeter, AIR, 0-15 l/min, rail-mounted unit, NIST	902.621

## Medication nebulisers

### APPLICATIONS NEBULISER PLUG-IN VALVE WITH CLAMP

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

Incl. side clamp for attaching e.g. a disposable medication nebuliser.

#### TECHNICAL DATA

Design:	Chrome-plated all-metal design, dosing valve, plug-in unit for compressed air or oxygen
Medium:	Medical compressed air (AIR) or oxygen (O <sub>2</sub> )
Inlet:	Plug-in, in accordance with DIN 13260-2 - gas-specific
Primary pressure:	450 kPa ± 50 kPa
Outlet:	Hose connector for 4/6 mm hose
Flowrate:	Preset, 5 l/min ± 0.5 l/min
Dimensions:	50 x 60 x 100 mm (WxHxD) / weight: 240g



Nebuliser plug-in valve



Nebuliser valve

### APPLICATIONS NEBULISER VALVE WITH PARKING POSITION

Plug-in valve, preset to 5 l/min. In conjunction with Kendall's Respi-Jet medication nebuliser for dosed dispensing of medications administered as aerosols.

For direct coupling to a compressed air outlet The upper ring is configured that when not in use, the Respi-Jet nebuliser can be parked on the valve.

#### TECHNICAL DATA

Design:	Brass, chrome-plated, with quick-action valve
Medium:	Medical compressed air (AIR)
Inlet:	Plug-in, in accordance with DIN 13260-2 - gas-specific
Primary pressure:	450 kPa ± 50 kPa
Outlet:	9/16"-18 UNF thread
Flowrate:	Preset, 5 l/min ± 0.5 l/min
Dimensions:	50 x 60 x 100 mm (WxHxD) / weight: 240 g



Parked position



Application example

#### NEBULISER PLUG-IN VALVE, AIR

Nebuliser plug-in valve with side clamp, AIR/O<sub>2</sub>, 5 l/min, plug-in unit, DIN 900.865

#### NEBULISER VALVE FOR RESPI-JET, AIR

Nebuliser valve, single, AIR, plug-in unit, DIN 900.765



## Accessories

### HUMIDIFIERS AND NEBULISERS

#### APPLICATIONS

For use in insufflation or inhalation.

Humidifier bubble jet for the moistening of e.g. oxygen, compressed air or nebuliser unit for the nebulisation (aerosol treatment) of sterile water or medications.

#### TECHNICAL DATA

Design:	Chrome-plated all-metal design. Suitable for connection to a flowmeter.
Material:	Head: brass, chrome-plated Bottle: Apec®
Medium:	Sterile water
Inlet:	9/16-18 UNF
Capacity:	250 ml total volume
Outlet:	6 mm flow nozzle (humidifier) or 22 mm ventilation hose connector (nebuliser)
Dimensions (WxHxD) /Weight:	90x190x55 mm / 320 g (humidifier) 90x190x55 mm / 370 g (nebuliser)



#### HUMIDIFIER / NEBULISER

Humidifier unit, complete	904.836
Nebuliser unit, complete	904.837
Bottle, 250 ml, imprinted	900.922

#### FLOWMETER SPARE PARTS

Hose connector for flowmeter with 9/16" union nut	900.619
Measuring tube, 0-6 l/min incl. float	326.458
Measuring tube, 0-15 l/min incl. float	800.278
Measuring tube, 0-30 l/min incl. float	800.279
Measuring tube sleeve	100.089
O-ring 18.77x1.78 NBR 70	100.014
O-ring 6 x 2 NBR 70	100.083
Tube Flowmeter repair kit	900.430
Kolibri flowmeter repair kit	900.431
Med. flowmeter servicing fee	902.047