

# MEDICAL DEVICES BY GREGGERSEN



## CATALOG PRESSURE REDUCER

there is no substitute



## Falke compact pressure regulator

WITH FIXED FLOW NOZZLE

### APPLICATIONS

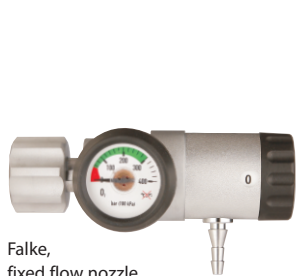
Medical piston-type pressure regulator for oxygen bottles with volume manometers and flowmeters (stop-adjustable flowrate in accordance with DIN EN ISO 10524-1).

### TECHNICAL DATA

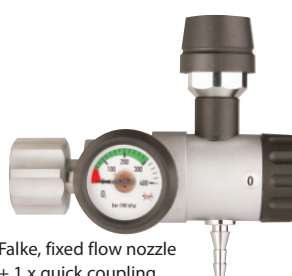
Design:	Spring-loaded piston-type pressure regulator, brass, matt chrome-plated.
Inlet:	Gas-specific hand connector in accordance with DIN 477-1 (other high pressure connectors on request)
Primary pressure:	Max. 20,000 kPa (P1)
Manometer:	0-40,000 kPa display
Outlet flow:	Fixed flow nozzle
Accuracy:	±10% of set value (at flows < 0.5 l/min, ± 0.05 l/min)
Outlet quick coupling:	In accordance with DIN 13260-2 (other standards on request)
Outlet pressure:	450 kPa ± 50 kPa (P2)
Flowrate:	Max. 120 l/min at the quick coupling
Dimensions (WxHxD):	Falke, Flow only: 125 x 95 x 65 mm Falke with 1 x coupling: 125 x 145 x 65 mm Falke with 2 x coupling: 125 x 145 x 115 mm

### 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



Falke,  
fixed flow nozzle



Falke, fixed flow nozzle  
+ 1 x quick coupling



Falke, fixed flow nozzle  
+ 2 x quick coupling

### FALKE PRESSURE REGULATOR, O<sub>2</sub>, FIXED FLOW NOZZLE

Falke pressure regulator, O <sub>2</sub> (G3/4"), 0-15 l/min, fixed flow nozzle	910.200
Falke pressure regulator, O <sub>2</sub> (G3/4"), 0-30+ l/min, fixed flow nozzle	910.201
Falke pressure regulator, O <sub>2</sub> (G3/4"), 0-5 l/min, fixed flow nozzle	910.202
Falke pressure regulator, O <sub>2</sub> (G3/4"), 0-1 l/min, fixed flow nozzle	910.203

### FALKE PRESSURE REGULATOR, O<sub>2</sub>, FIXED FLOW NOZZLE + 1 x QUICK COUPLING

Falke pressure regulator, O <sub>2</sub> (G3/4"), 0-15 l/min, fixed flow nozzle, 1 x quick coupling, DIN	910.204
Falke pressure regulator, O <sub>2</sub> (G3/4"), 0-30+ l/min, fixed flow nozzle, 1 x quick coupling, DIN	910.205
Falke pressure regulator, O <sub>2</sub> (G3/4"), 0-5 l/min, fixed flow nozzle, 1 x quick coupling, DIN	910.206
Falke pressure regulator, O <sub>2</sub> (G3/4"), 0-1 l/min, fixed flow nozzle, 1 x quick coupling, DIN	910.207

### FALKE PRESSURE REGULATOR, O<sub>2</sub>, FIXED FLOW NOZZLE + 2 x QUICK COUPLING

Falke pressure regulator, O <sub>2</sub> (G3/4"), 0-15 l/min, fixed flow nozzle, 2 x quick coupling, DIN	910.208
Falke pressure regulator, O <sub>2</sub> (G3/4"), 0-30+ l/min, fixed flow nozzle, 2 x quick coupling, DIN	910.209
Falke pressure regulator, O <sub>2</sub> (G3/4"), 0-5 l/min, fixed flow nozzle, 2 x quick coupling, DIN	910.211
Falke pressure regulator, O <sub>2</sub> (G3/4"), 0-1 l/min, fixed flow nozzle, 2 x quick coupling, DIN	910.210

# Falke compact pressure regulator

WITH 9/16" SCREWED FLOW NOZZLE

## APPLICATIONS

Medical piston-type pressure regulator for oxygen bottles with volume manometer and flowmeters (stop-adjustable flowrate in accordance with DIN EN ISO 10524-1).

## TECHNICAL DATA

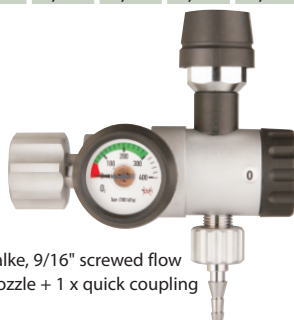
Design:	Spring-loaded piston-type pressure regulator, brass, matt chrome-plated;
Inlet:	Gas-specific hand connector in accordance with DIN 477-1 (other high pressure connectors on request)
Primary pressure:	Max. 20,000 kPa (P1)
Manometer:	0-40,000 kPa display
Outlet Flow:	9/16" thread with union nut and 6 mm screwed flow nozzle Suitable for connecting humidifiers, reusable or disposable humidifiers (e.g. RESPIFLO from Kendall)
Accuracy:	±10% of set value (at flows < 0.5 l/min, ± 0.05 l/min)
Outlet quick coupling:	In accordance with DIN 13260-2 (other standards on request)
Outlet pressure:	450 kPa ± 50 kPa (P2)
Flowrate:	Max. 120 l/min at the quick coupling
Dimensions (WxHxD):	Falke, Flow only : 125 x 95 x 65 mm Falke with 1 x quick coupling: 125 x 145 x 65 mm Falke with 2 x quick coupling: 125 x 145 x 115 mm

## FLOWRATE

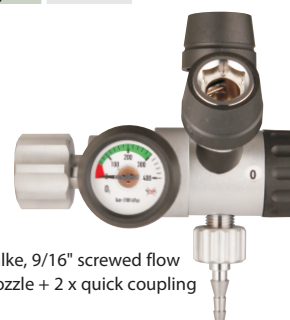
Stop:	1	2	3	4	5	6	7	8	9	10	
Standard:	0,5	1	1,5	2	3	4	6	8	12	15	l/min
Standard+:	0,5	1	2	4	6	8	10	12	15	30+	l/min
Paediatric:	0,1	0,3	0,5	0,6	0,8	1	2	3	4	5	l/min
Neonatal:	0,1	0,15	0,2	0,25	0,3	0,4	0,5	0,6	0,8	1,0	l/min



Falke, 9/16" screwed flow nozzle



Falke, 9/16" screwed flow nozzle + 1 x quick coupling



Falke, 9/16" screwed flow nozzle + 2 x quick coupling

## FALKE PRESSURE REGULATOR, O2, 9/16" SCREWED FLOW NOZZLE

Falke pressure regulator, O2 (G3/4"), 0-15 l/min, 9/16" screwed flow nozzle	910.350
Falke pressure regulator, O2 (G3/4"), 0-30+ l/min, 9/16" screwed flow nozzle	910.351
Falke pressure regulator, O2 (G3/4"), 0-5 l/min, 9/16" screwed flow nozzle	910.352
Falke pressure regulator, O2 (G3/4"), 0-1 l/min, 9/16" screwed flow nozzle	910.353

## FALKE PRESSURE REGULATOR, O2, 9/16" SCREWED FLOW NOZZLE + 1 x QUICK COUPLING

Falke pressure regulator, O2 (G3/4"), 0-15 l/min, 9/16" screwed flow nozzle, 1 x quick coupling, DIN	910.355
Falke pressure regulator, O2 (G3/4"), 0-30 l/min, 9/16" screwed flow nozzle, 1 x quick coupling, DIN	910.356
Falke pressure regulator, O2 (G3/4"), 0-5 l/min, 9/16" screwed flow nozzle, 1 x quick coupling, DIN	910.357
Falke pressure regulator, O2 (G3/4"), 0-1 l/min, 9/16" screwed flow nozzle, 1 x quick coupling, DIN	910.358

## FALKE PRESSURE REGULATOR, O2, 9/16" SCREWED FLOW NOZZLE + 2 x QUICK COUPLING

Falke pressure regulator, O2 (G3/4"), 0-15 l/min, 9/16" screwed flow nozzle, 2 x quick coupling, DIN	910.362
Falke pressure regulator, O2 (G3/4"), 0-30 l/min, 9/16" screwed flow nozzle, 2 x quick coupling, DIN	910.363
Falke pressure regulator, O2 (G3/4"), 0-5 l/min, 9/16" screwed flow nozzle, 2 x quick coupling, DIN	910.364
Falke pressure regulator, O2 (G3/4"), 0-1 l/min, 9/16" screwed flow nozzle, 2 x quick coupling, DIN	910.365

## Falke easy compact pressure regulator

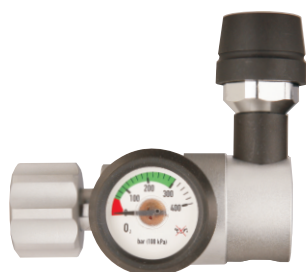
MEDIUM PRESSURE ONLY (COUPLING)

### APPLICATIONS

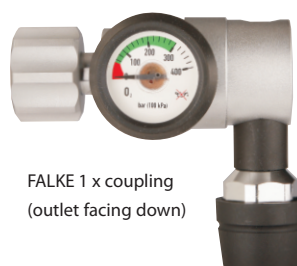
Medical piston-type pressure regulator in accordance with DIN EN ISO 10524-1 with volume manometers and 1 x medium pressure outlet quick coupling in accordance with DIN 13260-2.

### TECHNICAL DATA

Medium:	Oxygen / compressed air / nitrous oxide
Design:	Spring-loaded piston-type pressure regulator, brass, matt chrome-plated
Inlet:	Gas-specific hand connector in accordance with DIN 477-1 (other high pressure connectors on request)
Primary pressure:	max. 20,000 kPa (P1)
Manometer:	0-40,000 kPa display
Outlet:	Quick coupling in accordance with DIN 13260-2
Outlet pressure:	450 kPa $\pm$ 50 kPa (P2)
Flowrate:	Max. 120 l/min
Dimensions (WxHxD):	100 x 100 x 65 mm



FALKE 1 x coupling  
(outlet facing up)



FALKE 1 x coupling  
(outlet facing down)

### FALKE EASY PRESSURE REGULATOR, MEDIUM PRESSURE ONLY, OUTLET FACING UP

Falke easy pressure regulator, O <sub>2</sub> (G3/4"), 1 x quick coupling, DIN (outlet facing up)	910.374
Falke easy pressure regulator, AIR (G5/8"i), 1 x quick coupling, DIN (outlet facing up)	910.375
Falke easy pressure reg., N <sub>2</sub> O (G3/8") large bottle, 1 x quick coupling, DIN (outlet facing up)	910.378
Falke easy pressure reg., N <sub>2</sub> O (G3/4"i) small bottle, 1 x quick coupling, DIN (outlet facing up)	910.379

### FALKE EASY PRESSURE REGULATOR, MEDIUM PRESSURE ONLY, OUTLET FACING DOWN

Falke easy pressure regulator, O <sub>2</sub> (G3/4"), 1 x quick coupling, DIN (outlet facing down)	910.382
Falke easy pressure regulator, AIR (G5/8"i), 1 x quick coupling, DIN (outlet facing down)	910.383
Falke easy pressure reg., N <sub>2</sub> O (G3/8") large bottle, 1 x quick coupling, DIN (outlet facing down)	910.385
Falke easy pressure reg., N <sub>2</sub> O (G3/4"i) small bottle, 1 x quick coupling, DIN (outlet facing down)	910.384

# Falke compact pressure regulator

## SPECIAL VARIANTS

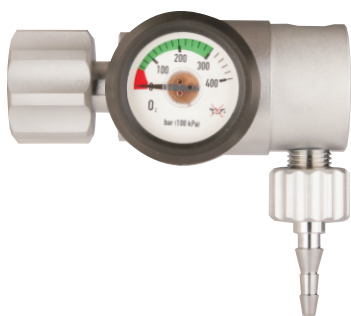
### APPLICATIONS

Medical piston-type pressure regulator in accordance with DIN EN ISO 10524-1 with volume manometer. Optionally with flowmeter (stop-adjustable flowrate) and/or quick coupling. Matt chrome-plated all-metal design. High-pressure connector in accordance with DIN 477-1. Other connectors on request.

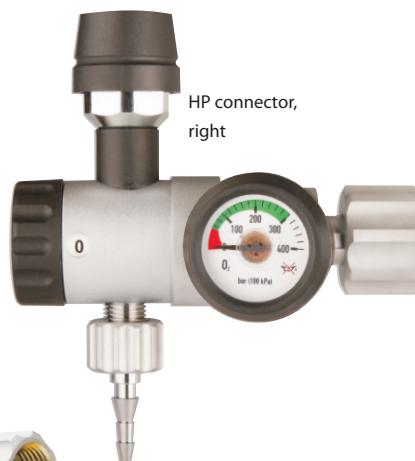
Variants: Falke easy with preset flow  
 Falke easy with a medium pressure outlet  
 G 3/8" or 9/16" (rebound-protected)

### EXAMPLES OF OTHER VARIANTS:

Falke easy, fixed flow



HP connector, right



HP connector, left  
 Flow outlet facing up  
 Quick coupling facing down  
 M12 x1 facing down

### FALKE PRESSURE REGULATORS, SPECIAL VARIANTS

Falke easy pressure regulators, O2 (G3/4"), flow: preset 4 l/min / 450 kPa 9/16"	910.370
Falke easy pressure regulators, O2 (G3/4"), flow: preset 6 l/min / 450 kPa 9/16"	910.371
Falke easy pressure regulators, O2 (G3/4"), flow: max.120 l/min / 450 kPa G3/8"	910.372
Falke easy pressure regulators, O2 (G3/4"), flow: max.120 l/min / 450 kPa 9/16"	910.373
FURTHER VARIANTS ON REQUEST	

### ACCESSORIES FOR FALKE PRESSURE REGULATORS

Repair kit for Falke pressure regulators	900.432
Med. pressure regulator maintenance service	902.046
Extender quick coupling, O2, DIN (M12 x1)	901.220
9/16" hose connection with screwed flow nozzle	900.619

## GREGGERSEN PRESSURE REGULATORS

AND THEIR FIELDS OF APPLICATION

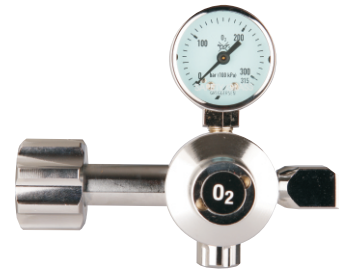
### FALKE

Combines user-friendliness and compactness in a unique design. For oxygen therapy in clinical and home-care use, and for operating medical equipment.



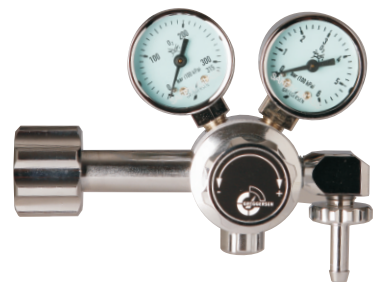
### PRÄZICON

Serves for the supply of non-aggressive gases under constant pressure for medical and laboratory applications.



### PRÄZIVAL

Infinitely adjustable. Available as a medical unit for oxygen therapy or in the laboratory version for the supply of gases under variable pressures.



### COMPRESSED GAS REGULATORS

Our compressed gas regulators and pressure relief valves are designed for use in conjunction with medical gas outlets.





## PRÄZICON pressure regulators

### APPLICATIONS

Pressure regulators, preset (450 kPa), with volume manometer, optionally with or without primary pressure equalisation.

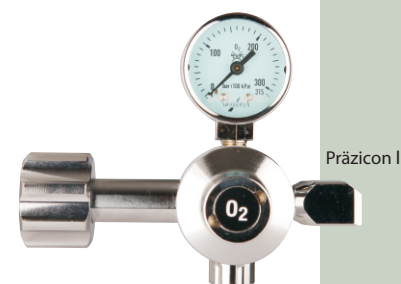
The Präzicon I + II pressure regulators are intended for laboratory applications and are not for medical products.

Präzicon I has primary pressure equalisation.

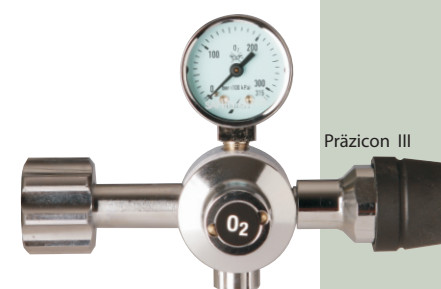
The Präzicon III medical pressure regulator in accordance with DIN EN ISO 10524-1, with primary pressure equalisation, is available for all medical gases.

### TECHNICAL DATA

Design:	Spring-loaded membrane pressure regulator, Brass, chrome-plated
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: Präzicon I + II:	in accordance with DIN 13252
Präzicon III:	Quick coupling in accordance with DIN 13260-2
Outlet pressure:	450 kPa ± 50 kPa (P2)
Flowrate:	Max. 80 l/min
Dimensions (WxHxD):	Präzicon I + II 120 x 90 x 75 mm Präzicon III 150 x 85 x 85 mm



Präzicon I



Präzicon III

### PRÄZICON I PRESSURE REGULATOR (for screw connection see page 11)

Pressure regulator Präzicon I, O <sub>2</sub> (G3/4"), 450 kPa	910.140
Pressure regulator Präzicon I, AIR (G5/8"i), 450 kPa	910.141
Pressure regulator Präzicon I, N <sub>2</sub> O (G3/4"i) small bottle, 450 kPa	910.145
Pressure regulator Präzicon I, N <sub>2</sub> O (G3/8") large bottle, 450 kPa	910.142
Pressure regulator Präzicon I, N <sub>2</sub> (W24.32), 450 kPa	910.143
Pressure regulator Präzicon I, CO <sub>2</sub> (W21.8x1/14"), 450 kPa	910.144

### PRÄZICON II PRESSURE REGULATOR (for screw connection see page 11)

Pressure regulator Präzicon II, O <sub>2</sub> (G3/4"), 450 kPa	910.240
Pressure regulator Präzicon II, AIR (G5/8"i), 450 kPa	910.241
Pressure regulator Präzicon II, N <sub>2</sub> O (G3/4"i) small bottle, 450 kPa	910.245
Pressure regulator Präzicon II, N <sub>2</sub> O (G3/8") large bottle, 450 kPa	910.242
Pressure regulator Präzicon II, N <sub>2</sub> (W24,32), 450 kPa	910.243
Pressure regulator Präzicon II, CO <sub>2</sub> (W21.8x1/14"), 450 kPa	910.244

### PRÄZICON III PRESSURE REGULATOR

Pressure regulator Präzicon III, O <sub>2</sub> (G3/4"), 450 kPa, 1 x quick coupling, DIN	910.150
Pressure regulator Präzicon III, AIR (G5/8"i), 450 kPa, 1 x quick coupling, DIN	910.151
Pressure regulator Präzicon III, N <sub>2</sub> O (G3/4"i) small bottle, 450 kPa, 1 x quick coupling, DIN	910.155
Pressure regulator Präzicon III, N <sub>2</sub> O (G3/8") large bottle, 450 kPa, 1 x quick coupling, DIN	910.152
Pressure regulator Präzicon III, CO <sub>2</sub> (W21.8x1/14), 450 kPa, 1 x quick coupling, DIN	910.157

### PRÄZICON ACCESSORIES

Repair kit for Präzicon pressure regulators	900.435
Med. pressure regulator maintenance service	902.046

## PRÄZIVAL I and II pressure regulators

### APPLICATIONS

- Präzival I:** Medical pressure regulator in accordance with DIN EN ISO 10524-1 for oxygen therapy. With primary pressure equalisation. Suitable for mobile use. Orientation-independent use (without humidifier). Flow continuously adjustable.
- Präzival II:** Medical pressure regulator in accordance with DIN EN ISO 10524-1 for oxygen therapy. With tube flowmeter and primary pressure equalisation. Flow infinitely adjustable.

### TECHNICAL DATA

- Design:** Spring-loaded membrane pressure regulator, Brass, chrome-plated  
**Inlet:** Gas-specific hand connector in accordance with DIN 477-1  
**Primary pressure:** Max. 20,000 kPa  
**Manometer:** Volume manometer, plus  
**Flow manometer:** 0-16 l/min (only Präzival I)  
**Outlet:** 9/16" thread  
 (Hose connection needs to be ordered separately)
- Flowrate:** Flow infinitely adjustable between 0-15 l/min  
**Dimensions (WxHxD) :** Präzival I: 130 x 90 x 80 mm  
 Präzival II: 150 x 150 x 75 mm



Präzival I



Präzival II

### PRÄZIVAL PRESSURE REGULATORS

Präzival I pressure regulator, O <sub>2</sub> (G3/4"), 0-15 l/min, 9/16" without hose connection	910.409
Präzival II pressure regulator, O <sub>2</sub> (G3/4"), 0-15 l/min, 9/16" without hose connection	910.680

### PRÄZIVAL ACCESSORIES

G9/16 hose connector	900.619
Repair kit for Präzival pressure regulators	900.435
Med. pressure regulator maintenance service	902.046



## PRÄZIVAL IV and V pressure regulators

### APPLICATIONS

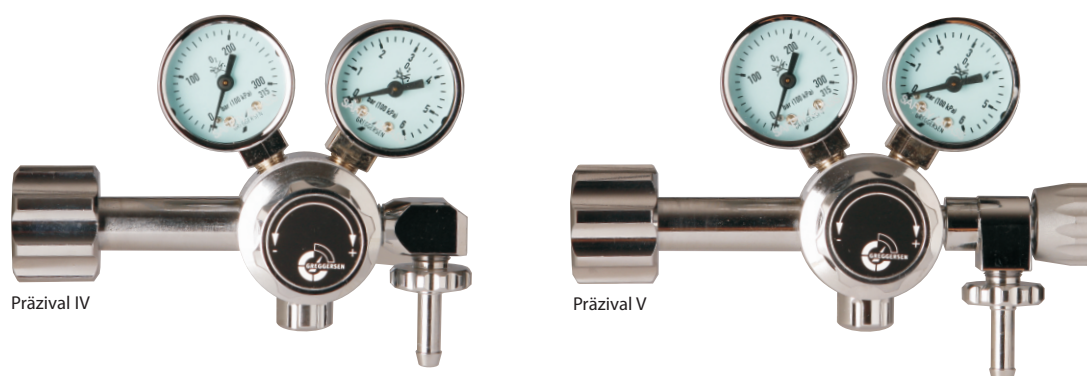
Infinitely adjustable pressure regulators (0 to 500 kPa) for non-aggressive gases, with volume manometer and working pressure manometer for the supply of gases under variable pressures.

For laboratory applications. Not a medical product.

Präzival V additionally with shut-off valve.

### TECHNICAL DATA

Design:	Spring-loaded membrane pressure regulator, brass, chrome-plated
Inlet:	Gas-specific hand connector in accordance with DIN 477-1
Primary pressure:	Max. 20,000 kPa
Manometer:	Volume manometer, plus: Working pressure manometer, 0-600 kPa
Outlet :	6 mm hose connection
Working pressure:	Adjustable infinitely between 0-500 kPa
Dimensions (WxHxD):	Präzival IV: 130 x 90 x 70 mm Präzival V: 150 x 90 x 70 mm



### PRÄZIVAL PRESSURE REGULATORS

Präzival IV pressure regulator, with 6 mm hose connection (please specify gas)	910.880
Präzival V pressure regulator, with 6 mm hose connection (please specify gas)	910.890

### PRÄZIVAL ACCESSORIES

Repair kit for Präzival pressure regulators	900.435
Med. pressure regulator maintenance service	902.046

## Compressed gas regulator/pressure relief valve

Compressed  
gas regulator,  
adjustableCompressed  
gas regulator,  
preset

## COMPRESSED GAS REGULATOR APPLICATIONS

Compressed gas regulators are used to reduce the pressure of a central gas supply system. Available in adjustable and preset version.

Hose connection needs to be ordered separately.

## TECHNICAL DATA, COMPRESSED GAS REGULATORS

Design:	Plug-in unit – membrane regulator, brass, chrome-plated
Inlet:	Gas-specific plug insert in accordance with DIN 13260-2
Primary pressure:	Max. 1,400 kPa
Manometer:	0-600 kPa
Outlet:	Gas-specific in accordance with DIN 13252 (Hose connection needs to be ordered separately)
Outlet pressure:	Adjustable between 0 and 500 kPa or preset (according to customer's specification)

## PRESET PRESSURE RELIEF VALVE APPLICATIONS

For coupling into an outlet. Equalisation of pressure surges or peaks in the pipeline system. Preset.

## TECHNICAL DATA, PRESSURE RELIEF VALVES

Design:	Plug-in unit – membrane regulator, brass, chrome-plated
Inlet:	Gas-specific plug insert in accordance with DIN 13260-2
Primary pressure:	Max 1,400 kPa
Outlet:	Gas-specific quick coupling in accordance with DIN 13260-2
Outlet pressure:	Preset to 450 kPa $\pm$ 50 kPa



Pressure relief valve

## COMPRESSED GAS REGULATOR, ADJUSTABLE (for hose connection see page 11)

Compressed gas regulator, O <sub>2</sub> , adjustable, plug-in unit, DIN	900.758
Compressed gas regulator, AIR, adjustable, plug-in unit, DIN	900.896
Compressed gas regulator, special gas, adjustable, plug-in unit, DIN	900.768

## COMPRESSED GAS REGULATOR, PRESET (for hose connection see page 11)

Compressed gas regulator, O <sub>2</sub> , 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

## PRESSURE RELIEF VALVE, PRESET, DIN QUICK COUPLING

Pressure relief valve, O <sub>2</sub> , preset, plug-in unit, DIN (please specify pressure)	901.300
Pressure relief valve, AIR, preset, plug-in unit, DIN (please specify pressure)	901.301
Pressure relief valve, N <sub>2</sub> O, preset, plug-in unit, DIN (please specify pressure)	901.302

## ACCESSORIES FOR COMPRESSED GAS REGULATORS

Repair kit for compressed gas regulators	900.441
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## Accessories

### ACCESSORIES FOR COMPRESSED GAS REGULATORS AND PRÄZICON I, II

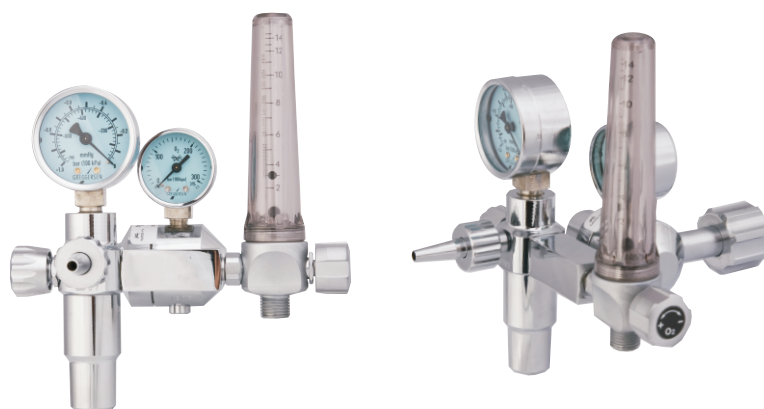
O2 hose connection (M12 x1a) with 6 mm hose connector, DIN 13252	900.610
AIR hose connection (M20 x1.5i) with 6 mm hose connector, DIN 13252	900.614
O2/air mixed gas hose connection (M15x1i) with 6 mm hose connector, DIN 13252	900.618
VAC hose connection (G1/4"i) with 6 mm hose connector, DIN 13252	900.617
N2O hose connection (M14x1i) with 6 mm hose connector, DIN 13252	900.616
Co2 hose connection (M12 x1i) with 6 mm hose connector, DIN 13252	900.630
N2 hose connection (G1/4") with 6 mm hose connector, DIN 13252	900629

## Greggersen product range

### HAWK MEDICAL COMBINED UNITS

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

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 to ensure that the patient's pulmonary treatment is available at all times.



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there is no substitute