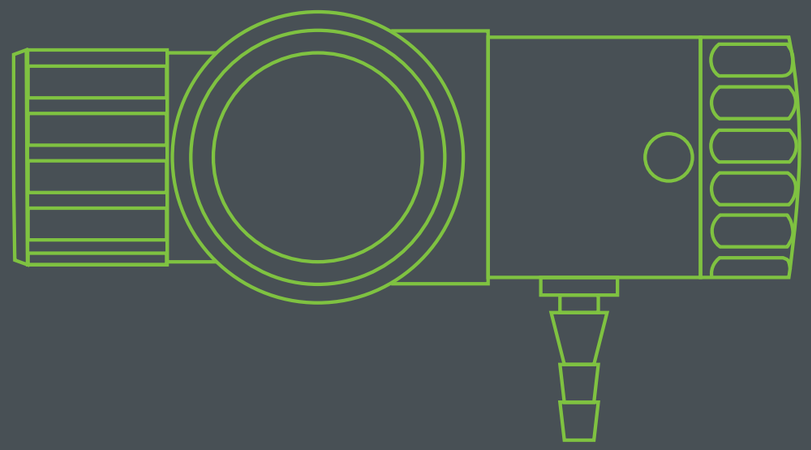
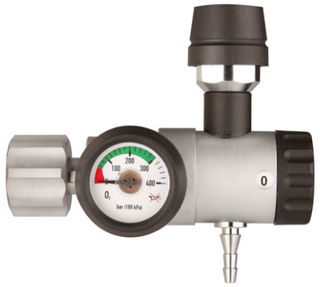
PRESSURE REDUCERS



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

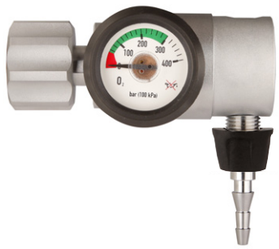
USAGE

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 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 Präzicon 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:	Präzicon I: in accordance with DIN 13252 Präzicon 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)

i

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

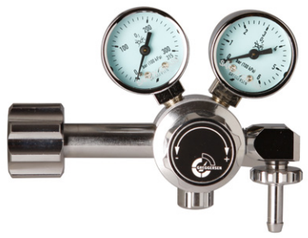
PRÄZIVAL ACCESSORIES

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

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 V

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

PRÄZIVAL 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, 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 (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