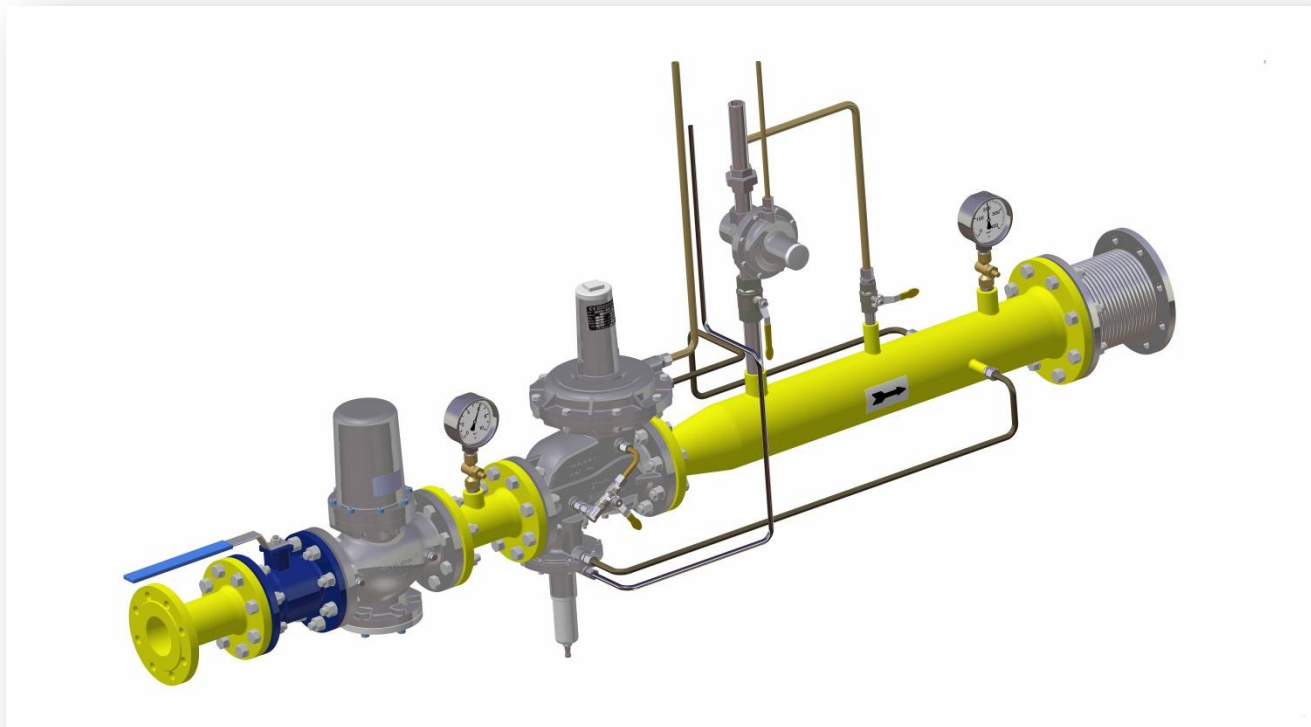# MEDENUS Gasdruckregeltechnik GmbH product portfolio

Medenus - history

- Founded in 1972 by Mr. Dieter Medenus in Rösrath-next to Cologne
- Production of regulators, SSV, SRV in his own residence in the garage and the cellar with 2 employees until 2004
- In 2004 the company was sold to the company Ohm & Häner, the aluminium foundry which delivers the housings for the regulators from the beginning
- Relocation to Olpe in 2004 and Mr. Martin Clemens took over the position of the General Manager
- Constantly increasing number of employees over the years
- In 2006 GOST certification over the complete portfolio
- Continous development of existing products and new products
- In 2012 increase of the pressure stage from 5 to 8 bar maximum inlet pressure for all regulators (excl. R50 + S50)
- 2014 opening of the new R&D department in Fürstenwalde next to Berlin
- 2015 Launch of the new cellular gas filter series DF100 as a completion of the product range for gas trains
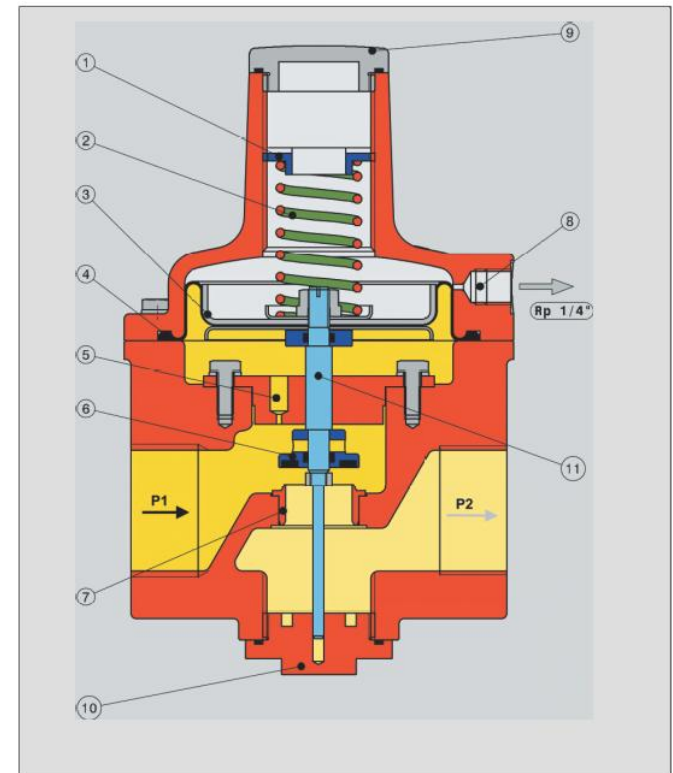
Biggesee in Olpe
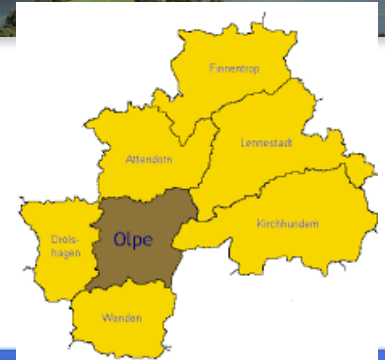
The Medenus Add Ons

- ✓ technical consulting skills with **decades of experience**
- ✓ wide range of **well proven standard** regulators
- ✓ **customized design** of pressure- und vacuum regulators as well as special design based on standard parts
- ✓ **modern, fast and efficient production** for repeat orders, small series and individual orders
- ✓ **guaranteed delivery dates**
- ✓ repair- and maintenance service **with fast reactions**
- ✓ **big spare parts- and buffer storage** for production and spare parts service
- ✓ **continuous** R&D for existing and new products
- ✓ **customized** training
- ✓ **modularity** leads to optimized stock of spare parts
- ✓ **unique** price-performance ratio
- ✓ **100% Made in Germany**

products – SRV SL10

Safety relief valve - SL10:

housing:	**aluminium alloy**
blow off pressure:	**up to 3 bar**
characteristics:	**single seat valve, gas tight zero position**
connections:	**1", 1,5", 2"**

1	Druck-Einstellschraube	7	Regler-Ventilsitz
2	Belastungsfeder	8	Anschluss Atmungsleitung
3	Membranteller	9	Verschlußkappe
4	SBV Membran	10	Deckel
5	Impulsbohrung	11	Spindel
6	Ventilteller		

products – SSV S50

Safety shut off valve - S50:

housing   :   aluminium alloy
working pressure: up to 3 bar
available for :   upper and lower shut off pressure
characteristics: single seat valve, gas tight zero
   position
connections: 1", 1,5", 2"

S 50	R 50
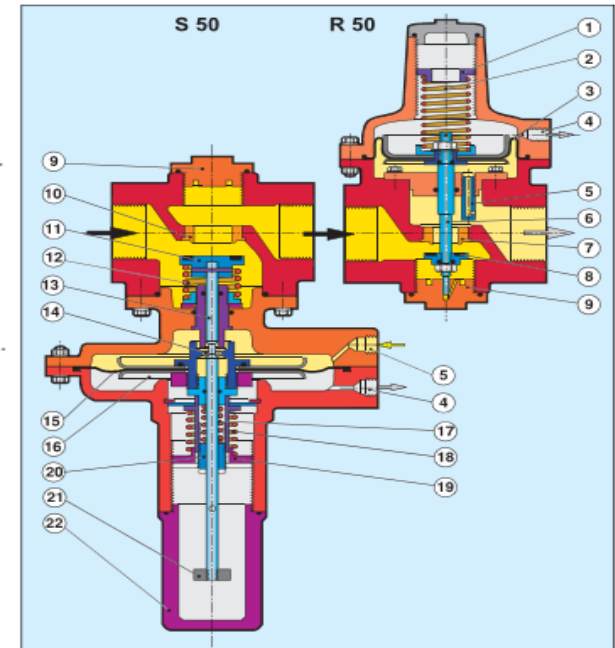
1 Druck-Einstellschraube	12 S 50-Schließfeder
2 Belastungsfeder	13 S 50-Spindel
3 Regler-Hauptmembran	14 Kugeln
4 Anschluss Atmungsleitung	15 S 50-Membran
5 interner Impuls / Anschluss Impulsleitung	16 Membran-Teller
6 R 50-Spindel	17 Minimumdruck-Feder
7 Regel-Ventilsitz	18 Maximumdruck-Feder
8 Einsitzventil	19 Einstellung „Überdruck"
9 Deckel	20 Einstellung „Druckmangel"
10 S 50-Ventilsitz	21 Zugknopf
11 Sicherheitsventil-Teller	22 S 50-Verschlusskappe

products – SSV S100

Safety shut off valve - S100:

housing   :   aluminium alloy
working pressure: up to 8 bar
available for :   upper and lower shut off pressure
characteristics: single seat valve, gas tight zero
                        position
connections: flanges DN25-DN150-PN16; DN200-
   PN10; ANSI upon request
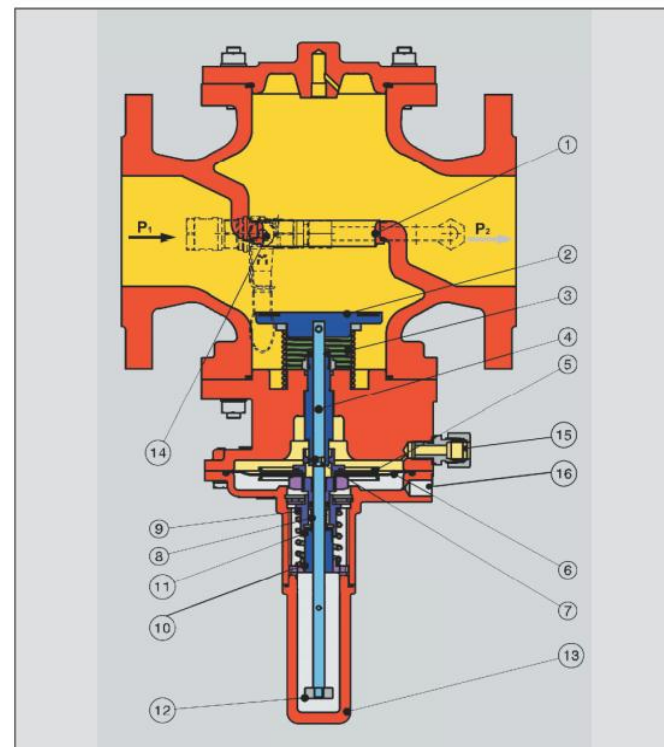
1	SAV-Ventilsitz	9	Maximumdruck-Feder
2	SAV-Ventilteller	10	Maximumeinstellschraube
3	SAV-Schließfeder	11	Minimumeinstellschraube
4	SAV-Spindel	12	Zugknopf
5	Membranteller	13	SAV-Verschlußkappe
6	SAV-Membran	14	Kugelhahn
7	Kugeln	15	Impuls-Anschluss
8	Minimumdruck-Feder	16	Anschluss-Atmungsleitung

products – GPR R50

Gas pressure regulator – R50

housing	:	aluminium alloy
max. inlet press.:		up to 3 bar
max. outlet press.:		up to 1,2 bar
characteristics:		single seat valve, gas tight zero position
connections:		1", 1,5", 2"
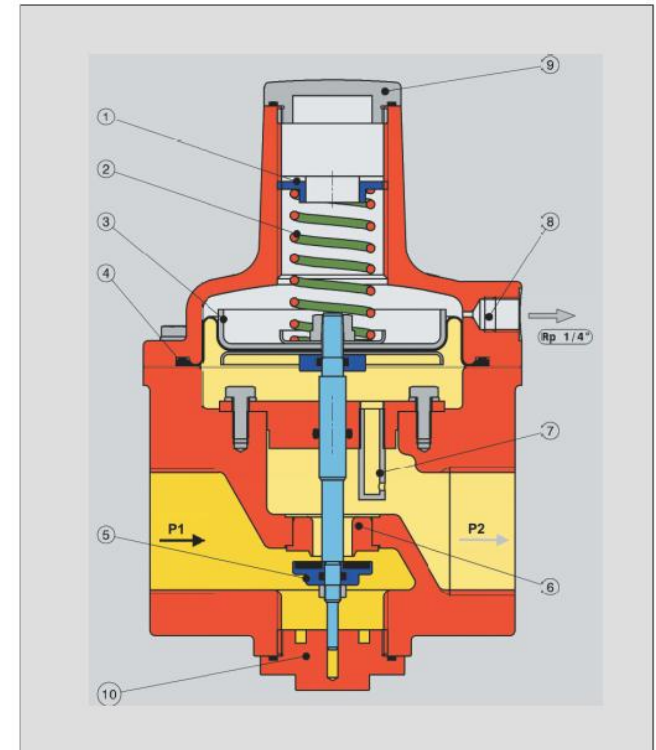
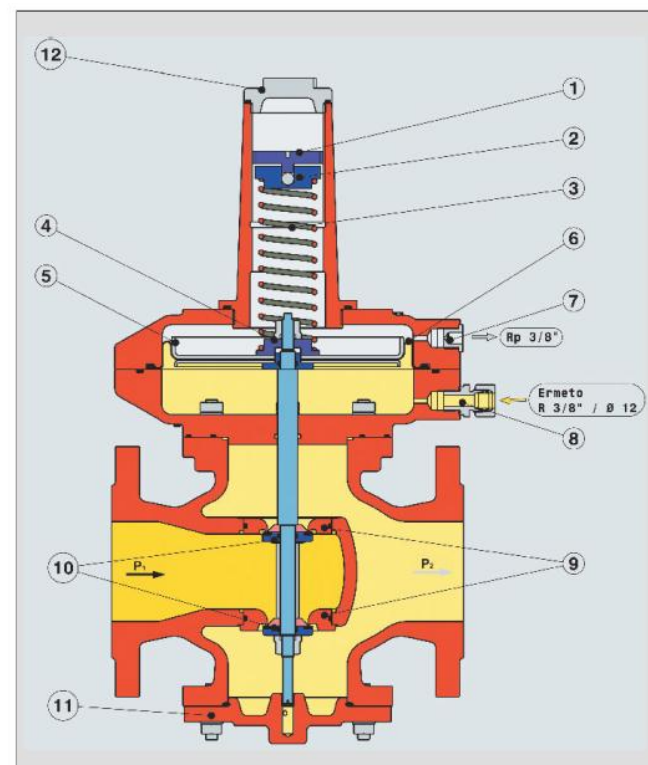|				
1	Druck-Einstellschraube		6	Regler-Ventilsitz
2	Belastungsfeder		7	interner Impuls
3	Membranteller		8	Anschluss-Atmungsleitung
4	Regler Hauptmembran		9	Verschlußkappe
5	Ventilteller		10	Deckel

Products – GPR R100

Gas pressure regulator - R100:

housing :	aluminium alloy
max. inlet press.:	up to 8 bar
max. outlet press.:	up to 1,2 bar
characteristics:	double seated valve, gas tight zero position
connections:	DN25-DN150-PN16; DN200-PN10

also available as rotary pressure regulator – R100U (biogas plants e.g.) and vacuum regulator R100UD

1	Druck-Einstellschraube	**7**	Anschluss Atmungsleitung
2	Federteller	**8**	Impuls-Anschluss
3	Belastungsfeder	**9**	Regler-Ventilsitz
4	Andrückteller	**10**	Ventilteller
5	Membranteller	**11**	Deckel
6	Regler-Hauptmembran	**12**	Verschlußkappe

products – GPR R101

Gas pressure regulator - R101:

housing :	aluminium alloy
max. inlet press.:	up to 8 bar
max. outlet press.:	up to 1,2 bar
characteristics:	single seated valve, gas tight zero position
connections:	DN25, DN40, DN50, DN65, DN100

also available as pressure relief valve R101US for very small opening pressures (DN50-DN200) – e.g. gas torches

1	Druck-Einstellschraube	7	Anschluss Atmungsleitung
2	Federteller	8	Impuls-Anschluss
3	Belastungsfeder	9	Ausgleichsmembran
4	Andrückteller	10	Regler-Ventilsitz
5	Membranteller	11	Ventilteller
6	Regler-Hauptmembran	12	Deckel

Rp 3/8"

Ermeto R 3/8" / Ø 12

P_1 P_2
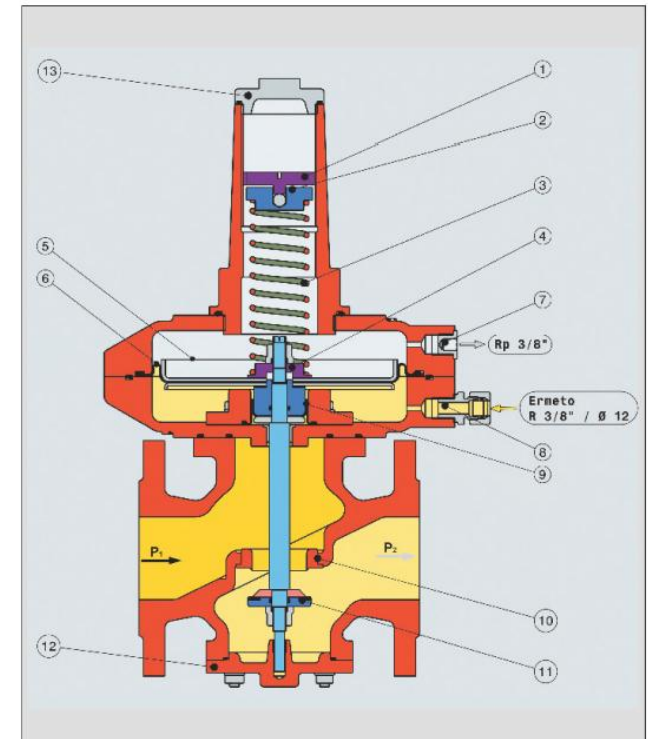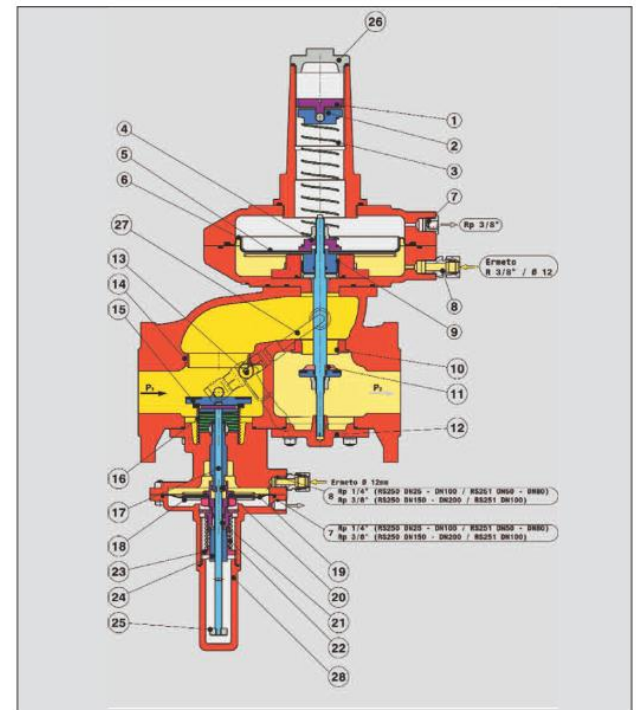
products – GPR RS250/251

Gas pressure regulators – RS250/251

housing   :   aluminium alloy
max. inlet press.:   up to 8 bar
max. outlet press.:   up to 1,2 bar
characteristics: single seated valve with integrated
                          SSV, gas tight zero position
connections: DN25-DN150-PN16; DN200-PN10

|			
1	Druck-Einstellschraube	15	SAV-Ventilteller
2	Federteller	16	SAV-Schließfeder
3	Belastungsfeder	17	SAV-Spindel
4	Andrückteller	18	Membranteller
5	Membranteller	19	SAV-Membran
6	Regler-Hauptmembran	20	Kugeln
7	Anschluss Atmungsleitung	21	Minimumdruck-Feder
8	Impuls-Anschluss	22	Maximumdruck-Feder
9	Ausgleichsmembran	23	Maximumeinstellschraube
10	Regler-Ventilsitz	24	Minimumeinstellschraube
11	Ventilteller/Regelkegel	25	Zugknopf
12	Deckel	26	Verschlußkappe
13	Kugelhahn	27	SAV-Umgehungsleitung
14	SAV-Ventilsitz	28	SAV-Verschlußkappe

products – DF100

Cellular gas filter - DF100:

housing:	aluminium alloy
max. pressure:	16 bar
temperature range:	-20°C bis +70°C (-40°C available)
filtration efficiency:	99,9% > 2µm particle size (others upon request)
connections:	DN25-DN200 – PN16

optional with differential pressure gauge with or without Reed contact

DN 25 / 50 / 80 / 100

Dargestellt DN 50

Dargestellt DN 150
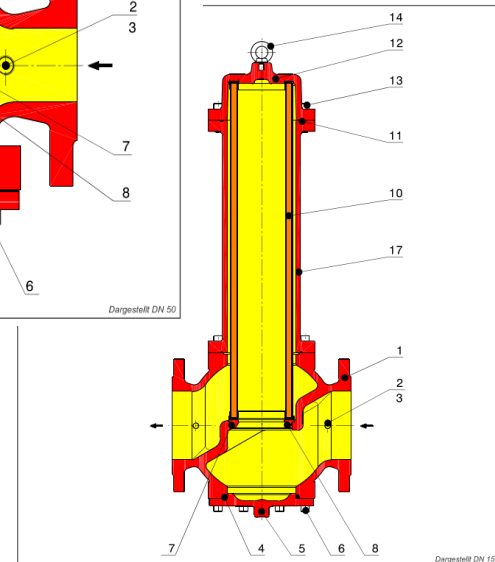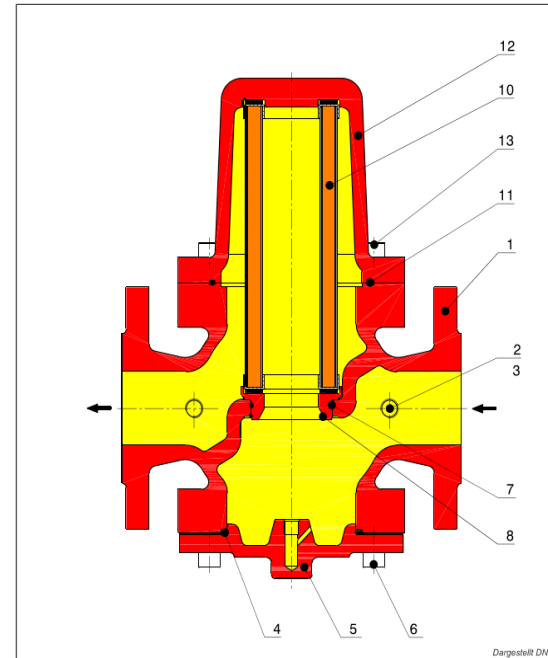
over the whole portfolio

- ✓ standard delivery time 2-3 weeks, faster possible
- ✓ spare parts, spare part kits on stock
- ✓ all products certified according to PED, CE, DVGW and GOST
- ✓ no special tools necessary for adjusting, unlock or something else necessary
- ✓ customized solutions without high efforts possible (e.g. Pd > 1,2 bar – without CE certificate)
- ✓ delivery with factory setting acc. to customers order
- ✓ flanges ANSI 150RF and NPT-threads upon request
- ✓ Selection tool „Düse" for fast configuration of regulators and fast response to our customers - Software Düse

Sales Team – your contacts

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any questions?

thanks for your attention !

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