

SL 10

Construction and function of the SL 10

SL 10 safety blow off valves (SBV) prevents short pressure peaks in front of gas appliances or to avoid inadmissible high increase of pressure caused by leakage gas.

The diaphragm of the SL 10 is actuated from down via an impulse bore by the intel pressure.

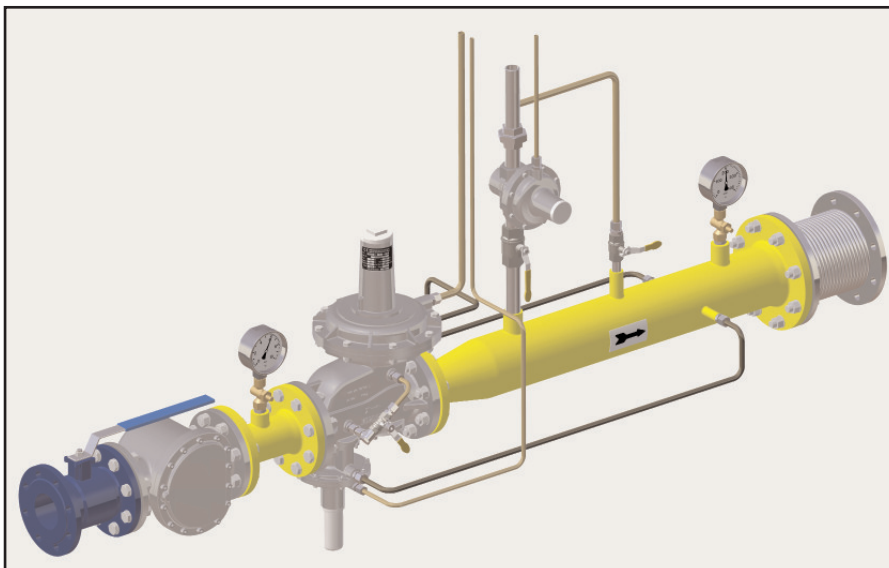
At excess pressure the measurement set opens the valve and blows off gas via the blow off line.



Wheel in use materials

Housing:	Silumin casting
Internal parts:	stainless
Diaphragms:	50 NBR
valve discs:	50 NBR, vulcanized

SL 10 in a gas train

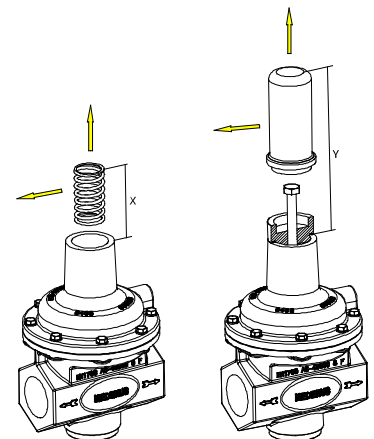


installation space - spring - X

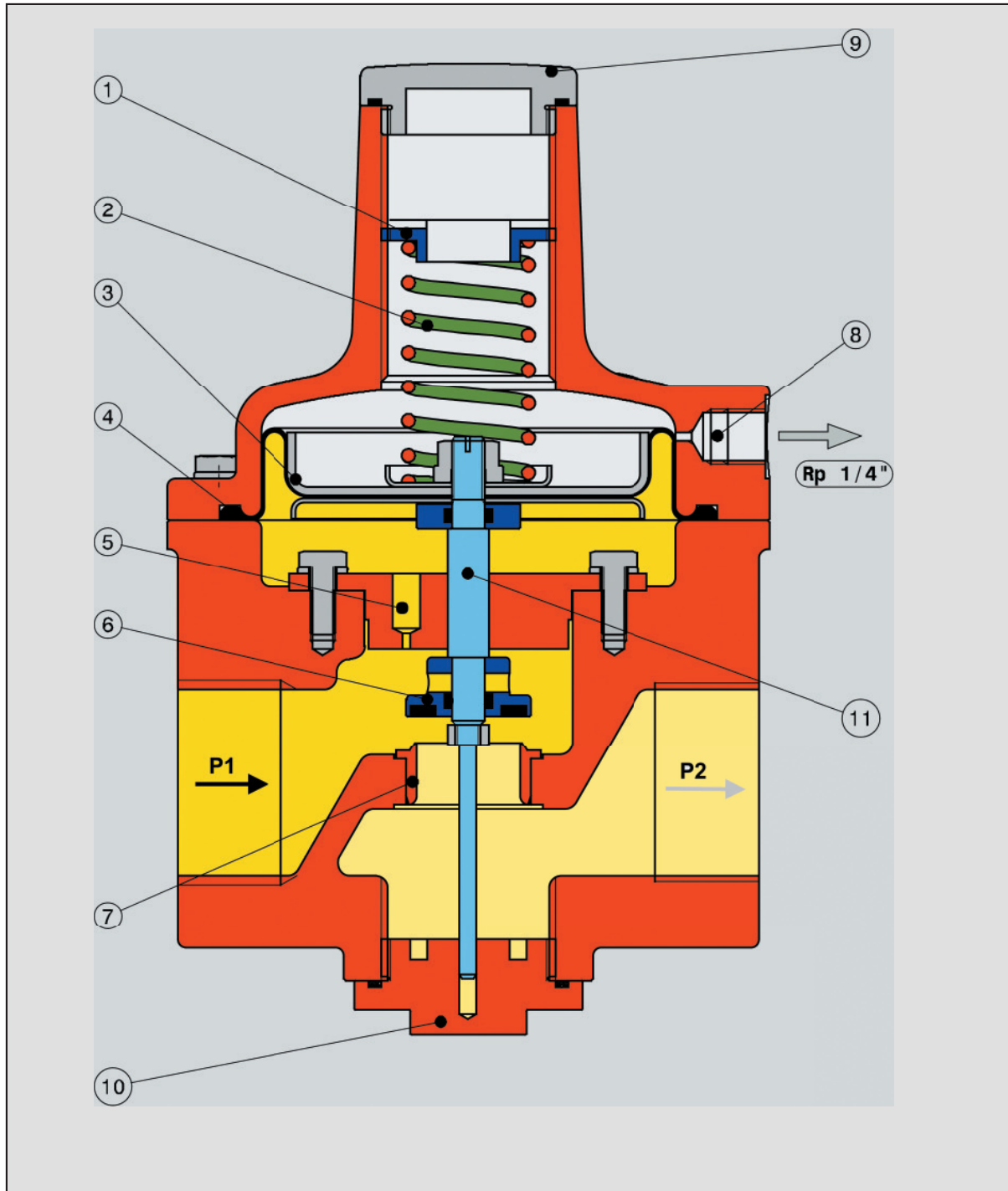
SL 10 1" / 1,5" / 2" 100mm

installation space - cap by high pressure screw spindle - Y

SL 10 1" / 1,5" / 2" 177mm



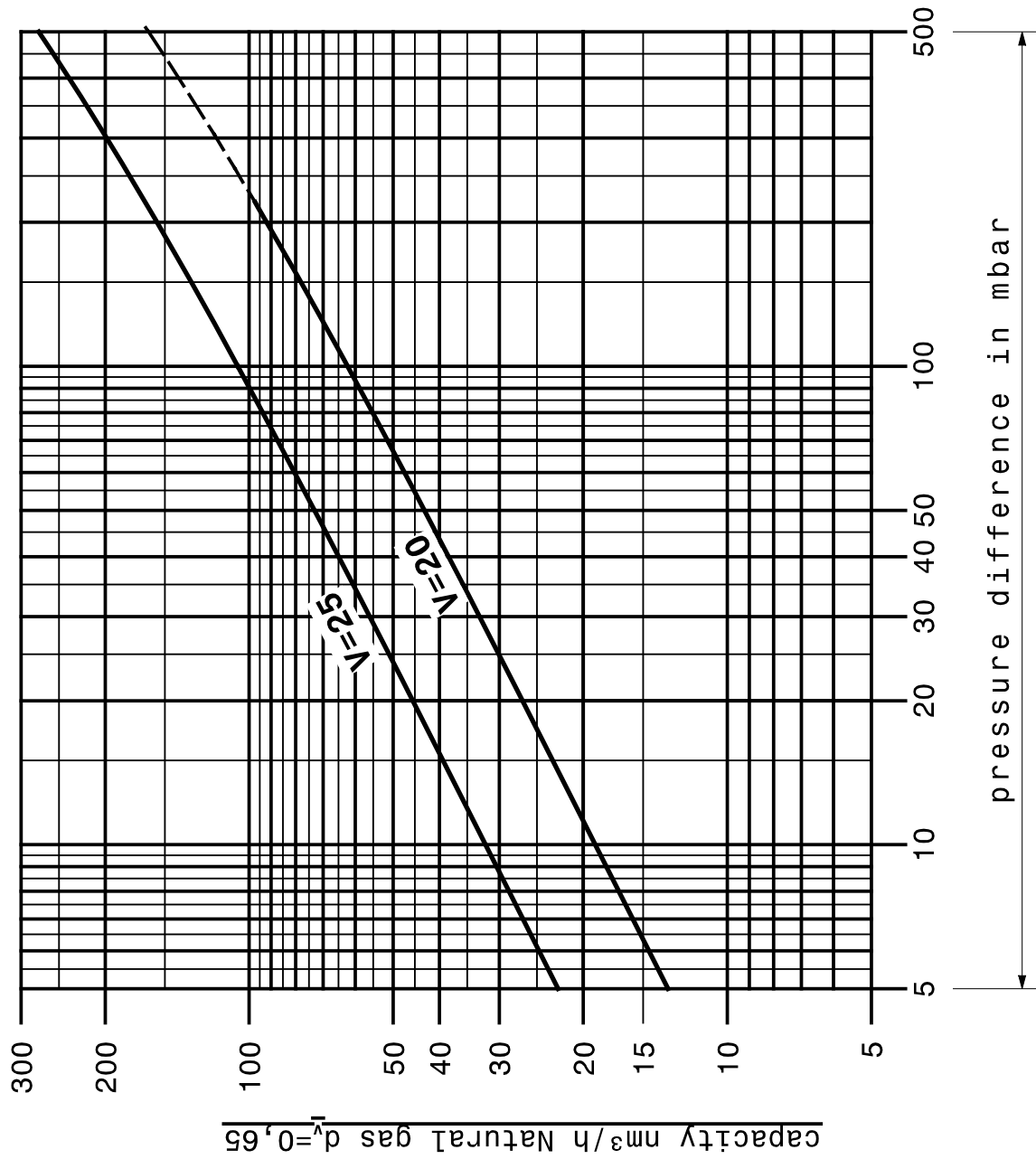
SL 10



- 1 Pressure setting screw
- 2 Setting spring
- 3 Diaphragm disc
- 4 SBV diaphragm
- 5 Impulse bore
- 6 Valve disc

- 7 Regulator valve seat
- 8 Breathing connection
- 9 Cap
- 10 Cover plate
- 11 Spindle

SL 10



SL 10	
R 1"	- V=20
R 1½"	- V=25
R 2"	- V=25

SL 10

Pe max. 3 bar
Q max. 100 Nm³/h - R1"
 300 Nm³/h - R1½", R2"

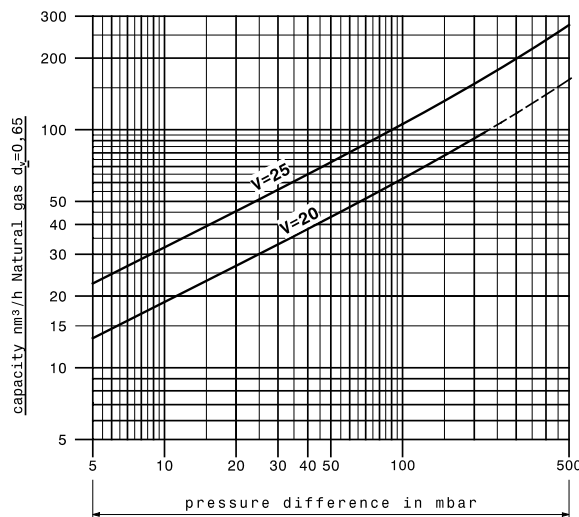
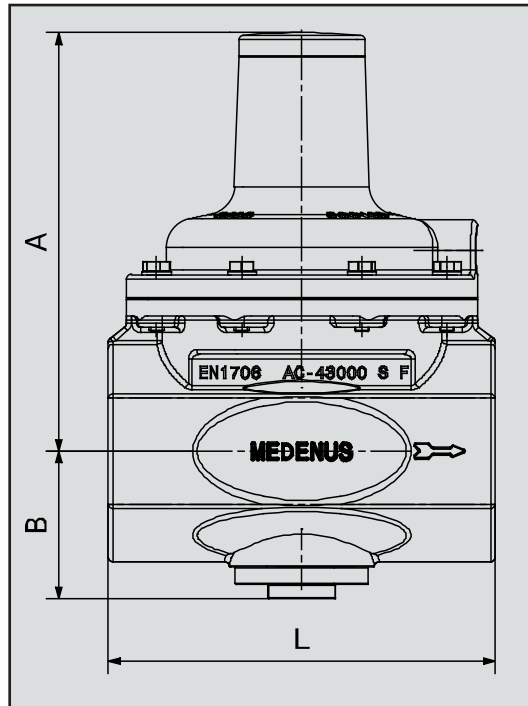
Gas characteristics:

suitable for gas of the gas families 1, 2, 3 and other neutral gaseous media.

Ambient-temperature -20...+60°C

Fitting position any

Flow speed 30m/s
 (limit 60m/s)



Special design:

- HD-design (Pö>400mbar)
- HD-design for high pressure (Pö>900mbar)
- Valve seat stainless
- Valve disc stainless+Viton
- Diaphragm Viton



R 1"	R 1½"	R 2"
2,5kg	3,5kg	3,5kg
Q max. 100 Nm ³ /h	Q max. 300 Nm ³ /h	Q max. 300 Nm ³ /h
A=173mm B= 53mm L=100mm	A=173mm B= 61mm L=140mm	A=173mm B= 61mm L=160mm