

# RD-12pb, RD-24pb

## Propane-Butane Overpressure Regulator

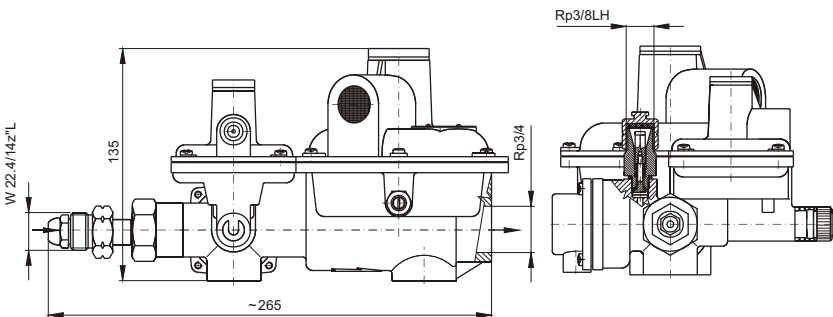
### Use

The Propane-Butane gas overpressure regulators RD-12pb, RD-24pb are determined for the two-stage automatic regulation of inlet overpressure of the Propane-Butane gas phase and its mixtures to lower outlet overpressure. Outlet overpressure is kept in the specified tolerance with regard to the gas demand quantity, gas pressure fluctuation in pipeline and other adverse effects.

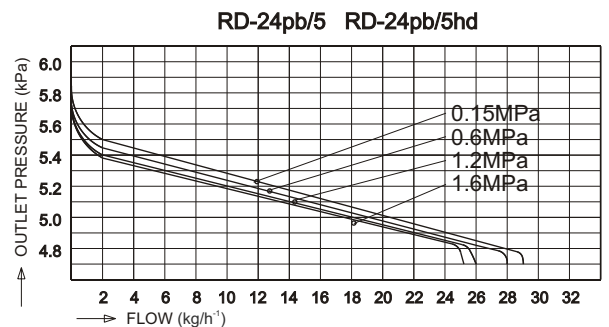
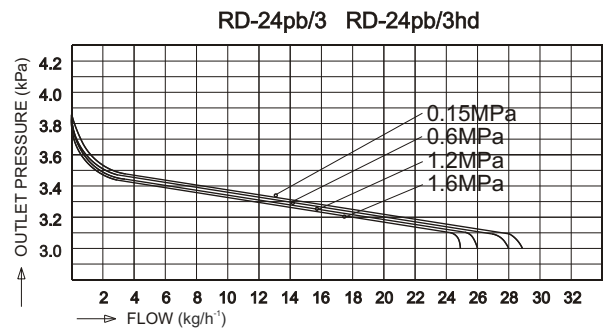
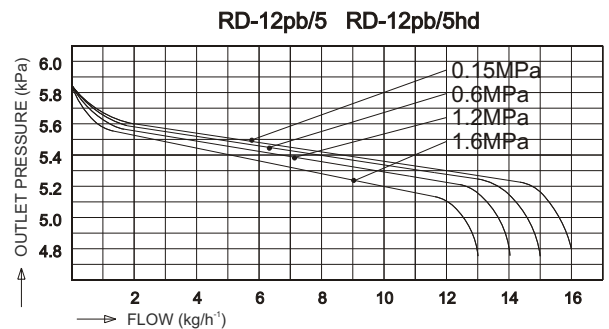
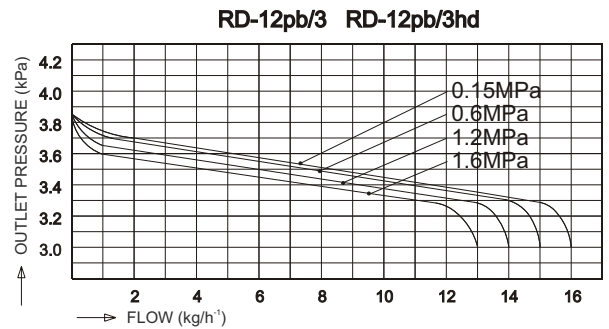
### Merits

- All-aluminium construction
- Two-stage regulation
- In-built safety valve
- In-built emergency shut-off, which will close permanently the gas inlet to the regulator at gas overpressure drop or increase over the specified limit, and due to its construction it is not influenced each other with the regulating part of the regulator
- The regulator is demountable, repairable
- The service is secured
- It is equipped with the delivery point for the outlet overpressure check
- The single parts of the regulator are made out of materials resistant to the gas effects
- The regulator is equipped with the visual indicator: green open; red closed
- The part of the regulator is POL the socket joint of stainless steel for the direct connection to a tank with heating gas and support enabling inclined assembly
- The regulator is equipped with the emergency feeding connection G 3/8 LH
- The regulator stood the stiff tests at DVGW in Germany

### Dimensional Drawing



### Regulator Flow Characteristic



### Basic Technical Data

Type	Inlet Over-pressure Mpa	Outlet Over-pressure kPa	Closing Over-pressure kPa	Protection Over-pressure kPa	Safety Over-pressure kPa	Nominal Flow <sub>1</sub> kg.h <sup>-1</sup>	Max. Flows at Inlet Overpressure				Weight kg
							0,15	0,6	1,2	1,6	
RD-12pb/3hd	0,15 + 1,6	3,0+3,8	< 4,3	9,0+13,5	p <sub>b max</sub> 7,0 + 11,0 p <sub>b max</sub> 0,5 + 2,0	12	15	14	13	12	1,7
RD-12pb/5hd	0,15 + 1,6	4,75+5,75	< 6,9	9,0+13,5	p <sub>b max</sub> 7,0 + 11,0 p <sub>b max</sub> 0,5 + 3,0						
RD-24pb/3hd	0,15 + 1,6	3,0 + 3,8	< 4,3	9,0 + 13,5	p <sub>b max</sub> 7,0 + 11,0 p <sub>b max</sub> 0,5 + 2,0	24	28	27	25	24	
RD-24pb/5hd	0,15 + 1,6	4,75+5,75	< 6,9	9,0 + 13,5	p <sub>b max</sub> 9,0 + 11,0 p <sub>b max</sub> 0,5 + 3,0						