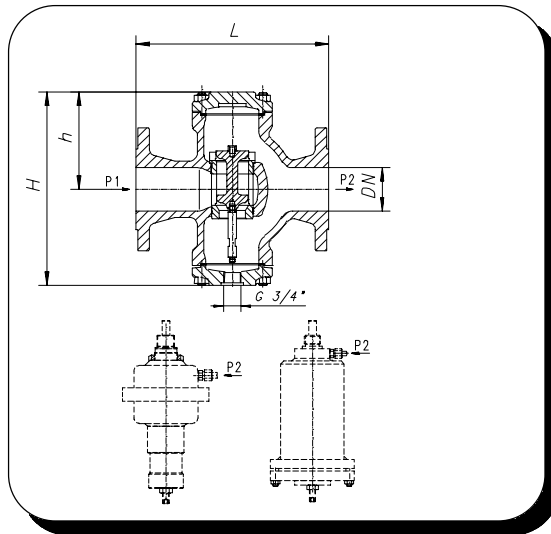




**AKO Pressure Reducer**  
with balanced double-seat regulating valve  
Type Series 210S0540



**Technical Data**

material:  
 - body steel GS-C25  
 - inner parts stainless steel  
 operating temperatur up to 180 °C  
 adm. operating pressure DN 25-50 mm up to 40 bar  
 DN 65-100 mm up to 16 bar  
 adm. differential pressure up to 40 bar  
 nominal pressure PN 25/40  
 connection flanges acc. to customer's request PN16, PN 25/40

**Actuator:**

material:  
 - diaphragm body brass or steel  
 - control spring steel  
 adm. temperature  
 - for diaphragm actuator up to 150 °C  
 see data sheet 261.3000-000  
 - for bellows actuator up to 350 °C  
 see data sheet 261.2000-000

**Application:**

The AKO Pressure Reducer without auxiliary power supply series for the pressure reduction in technical plants. The valve can be used for liquid mediums, steam and also for burnable gases.

**Functioning:**

The control of the AKO Pressure Reducer is done over the force balance between the adjustable desired control spring and the force ( $P_2$ ) of the control diaphragm. The valve closes when the adjusted after- pressure ( $P_2$ ) will be achieved.

**Adjustment:**

The adjustment of the minimum pressure has to be done by turning the adjusting screw and please watch the system pressure- Tension release of the spring (lefthand rotation of the adjusting screw) reduces the setting pressure.

order.-no.	DN mm	L	H	h	KV <sub>s</sub>	weight kg
210S0540-025	25	160	500	90	8,0	10
210S0540-032	32	180	515	100	12,5	15
210S0540-040	40	200	515	110	20,0	22
210S0540-050	50	230	505	115	32,0	34
210S0540-065	65	290	570	146	50,0	52
210S0540-080	80	310	615	170	80,0	82
210S0540-100	100	350	660	190	120,0	122