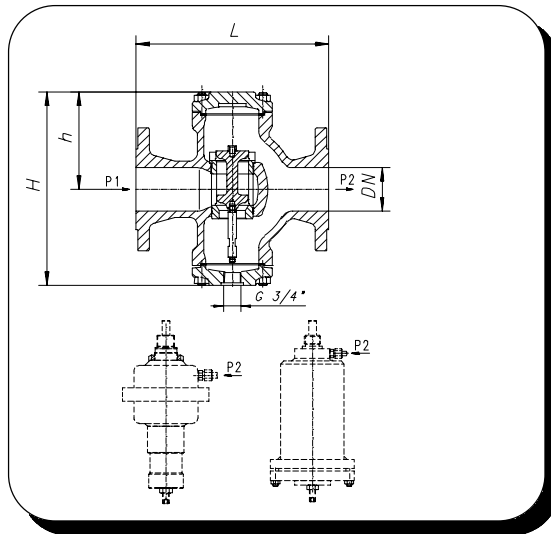




AKO Pressure Reducer
with balanced double-seat regulating valve
Type Series 210S0540



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 _s	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