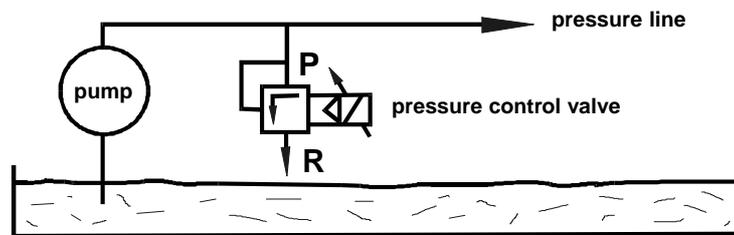


Manually adjustable pressure control valve

pneumatic control pressure

- In order to guarantee a perfect functioning of our maintenance-free pressure control valves, the following points must be paid attention to:
 - 1.) Before installing the valve, check the piping system in order to prevent residues from the line mounting being backflushed into the valve with start-up.
 - 2.) PIPING: The pressure control valve works as a BYPASS valve. No nozzles, flow control valves, or valves must be post-connected on the output "R". A free return flow to the container must be guaranteed. In order to prevent a possible vibration of the valve, a period of steady flow with a length of at least five times the diameter of the pipe should be installed before and after the valve. Moreover, the back pressure after the valve should be kept to a minimum by means of hose assemblies as short as possible and hose assembly diameters as large as possible.



The piping must be carried out in such a way as to apply the mounting tool on the valve bushing to be pipelined. For the functioning of the pressure control, the flow direction from P (delivery side) to R (return flow), indicated by arrows, must by all means be paid attention to.

- 3.) Connection of control pressure: is connection 1 (G1/8"). For the control air, we recommend a pre-connected maintenance unit. The control pressure to be connected must be within the following limits:

	min. control pressure	max. control pressure
64 bar versions	10 % of press. of medium	10 bar / 145 psi
100 bar versions	5 % of press. of medium	10 bar / 145 psi

- 4.) Manual pressure setting: With versions MDBV(P) 20 or MDBV(P) 40, first activate the pilot valve. The desired pressure of the medium can be preset by means of the manometer. The control pressure to be set on the setting knob is ten percent of the desired pressure of the medium for the 64 bar version and five percent of it for the 100 bar version.

turning in + direction of arrow = increase of pressure

turning in - direction of arrow = reduction of pressure

By screwing tight the slotted screw on the setting knob, this knob is arrested.

- 5.) Switchover without pressure: (only with MDBV(P) 20/40) If the supply voltage is interrupted in the version with pilot valve, the pressure of the medium is reduced to approximately 3-4 bar.