

Electronic controlled pressure restriction valve DN-X-EL DN10 - 50

Electronic controlled pressure restriction valve has a very high reproducibility and steady-state control accuracy. It is used in test press facilities (pipe testing) or in water hydraulic plants.

The existing system pressure will be limited to a lower constant working pressure independently on system pressure variations or liquid flow rate.

Pressure restriction valves is equipped with a membrane damper. Nitrogen priming according operation manual.

Arbitrary functions can be generated and realized by external control (different ramps/ slopes) also. The regulation card needs an external power supply by 0-10V or 4-20mA, from a SPC or suitable computer.

Pressure adjustment is easily changeable by variation of temperatures. Pressure increase on the pressure side will be not adjusted (to be conserved).

Technical data:

Operation medium	Clear water, water with additives, emulsion-fluids, hydraulic oil
Design	Seat/cone, pipeline construction
Connection	Internal thread or flange/butt welding end
Control connection	Inner or external thread
Control range	0.8 to 32 MPa
Nominal diameter	DN10 – DN50 (bigger on request)
Regulation	valves 2/2 control valve DN3 /PN 320 24V DC
Flow rate	Max. 1230 lpm @ 32MPa
Damping	Membrane accumulator with Nitrogen
Filtration	Control pressure with integrated 25my filter

Flanges adaptable according to customers request, for any mounting position.

Data for reference only and subject of technical changes.