

Regulating valves are used to adjust the pressure in high pressure equipment. It can be regulated from zero to the maximum designed for the valve. The water pumped but not used is diverted through the return/bypass port/drain line, etc.

The pressure regulator valves work continuously as an accurate safety valve not allowing it to exceed the regulated pressure.

Operating mode

- Automatic pressure regulator: When closing the water pressure outlet the pump it doesn't change pressure and the motor works unaffected. Used with a pistol, foot valve, etc.

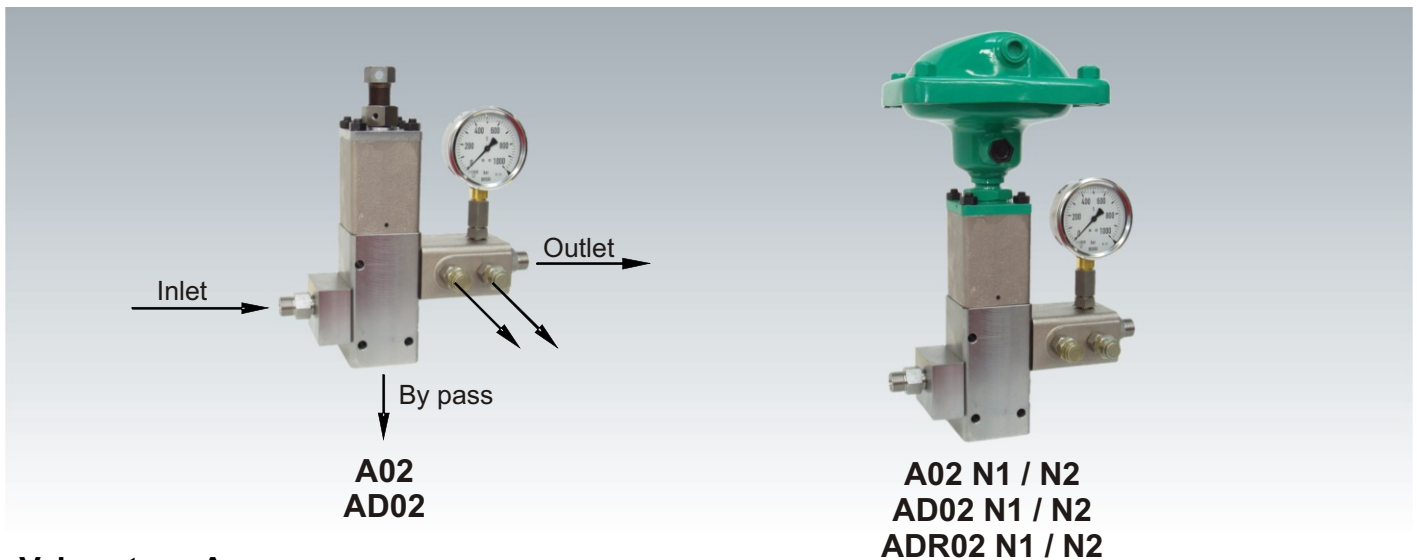
- Pressure regulator of maximum pressure or overflow valve: When closing the water pressure outlet, the pressure is maintained and the motor works unaffected. The regulator works as a limitation pressure valve only. It's used generally when it isn't necessary to turn off the water pressure outlet for example in sewer cleaning.

In pneumatic pressure types besides the overflow basic version. They are also without leak loss. On this type the pressure regulator valve is on "without pressure position". The water goes out of the bypass port and at the same time the outlet pressure port is closed and the nozzle hose doesn't leak out.

Regulating mode

- Manual: with screw or lever.

- Pneumatic: By pneumatic cylinder operated with regulated compressed air.

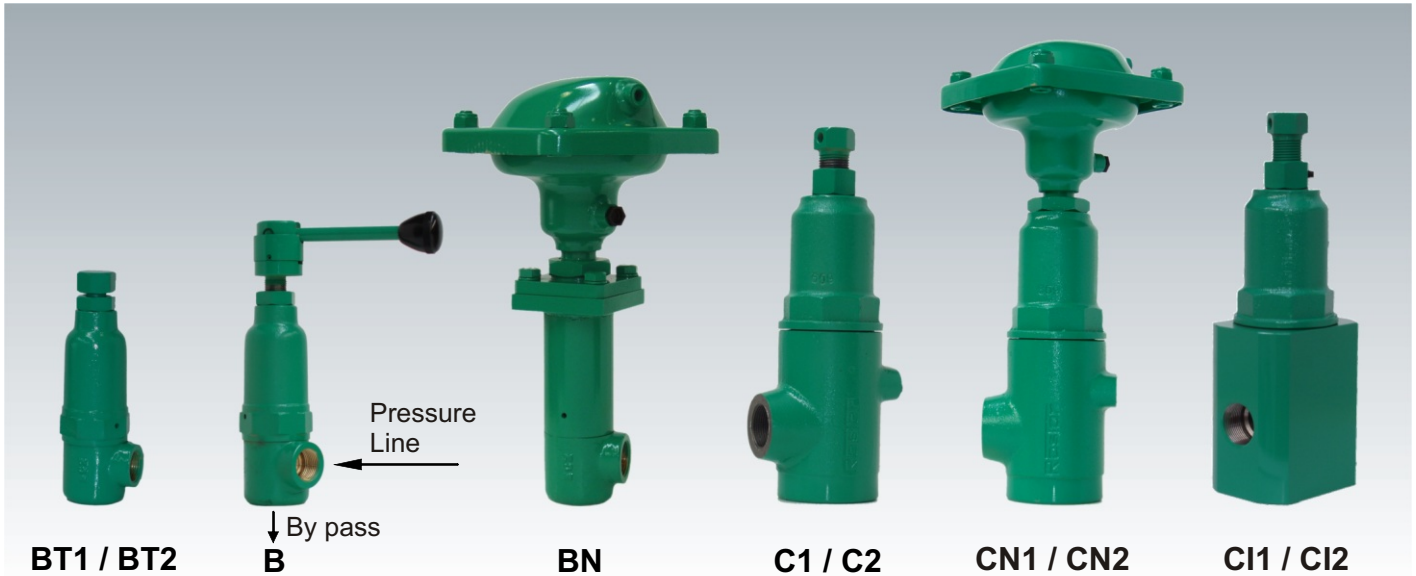


Valves type A

Type	Operating mode	Regulating mode	Max. Pressure (bar)	Flow (l/min)	Height (mm)	Weight (Kg)	Air pressure (bar)
A02	Automatic	Screw	750	215	382	20	-
AD02	Overflow	Screw	750	215	382	20	-
A02 N1	Automatic	Pneumatic	300	215	467	24	6
A02 N2	Automatic	Pneumatic	750	215	497	30	8
AD02 N1	Overflow	Pneumatic	300	215	467	24	6
AD02 N2	Overflow	Pneumatic	750	215	497	30	8
ADR02 N1	Overflow without leak	Pneumatic	300	215	467	24	6
ADR02 N2	Overflow without leak	Pneumatic	750	215	497	30	8

Body material: Stainless steel

Inlet - Outled ports: BSPP 60°, cylindrical thread, 1/2", 3/4", 1" / M22x1,5-60°, M24x1,5-24°



Valves type B

Operating mode: Overflow

Code	Type	Regulating mode	Max. Pressure (bar)	Flow (l/min)	BSPP Thread		Height (mm)	Weight (Kg)	Air pressure (bar)
					Pressure line	By pass			
34082	BT1	Screw	200	255	1"	1"	245	5	-
34084	BT2	Screw	300	255	1"	1"	245	5	-
3408	B	Lever	200	255	1"	1"	286	5	-
34081	BN	Pneumatic	200	255	1"	1"	375	9	5

Valves type C

Code	Type	Regulating mode	Max. Pressure (bar)	Flow (l/min)	BSPP Thread		Height (mm)	Weight (Kg)	Air pressure (bar)
					Pressure line	By pass			
31060	C1	Manual	150	450	1 1/4"	1 1/2"	360	12	-
31061	C2	Manual	300	450	1 1/4"	1 1/2"	360	12	-
31062	CN1	Pneumatic	150	450	1 1/4"	1 1/2"	455	16	6,5
31063	CN2	Pneumatic	300	450	1 1/4"	1 1/2"	485	22	8,0
310601	CI1	Manual	150	450	1 1/4"	1 1/2"	360	19	-
310611	CI2	Manual	300	450	1 1/4"	1 1/2"	360	19	-
310621	CIN1	Pneumatic	150	450	1 1/4"	1 1/2"	455	23	6,5
610631	CIN2	Pneumatic	300	450	1 1/4"	1 1/2"	485	29	8

Body material: B series brass, C series spheroidal cast, CI series stainless steel.

BSPP = Cylindrical thread.

Safety valve - ROSTOR

Code	Max. Pressure (bar)	Thread BSPP	Height (mm)	Weight (Kg)
34051	750	1/2"	170	0,9

High pressure pumps need a pressure regulator valve and safety valve. The safety valve opens whenever pressure exceeds the stated pressure measures preventing excess pressure. It prevents the incorrect use of the pressure regulator valve.

