M3120 • PRESSURE REDUCING AND SUSTAINING CONTROL VALVE

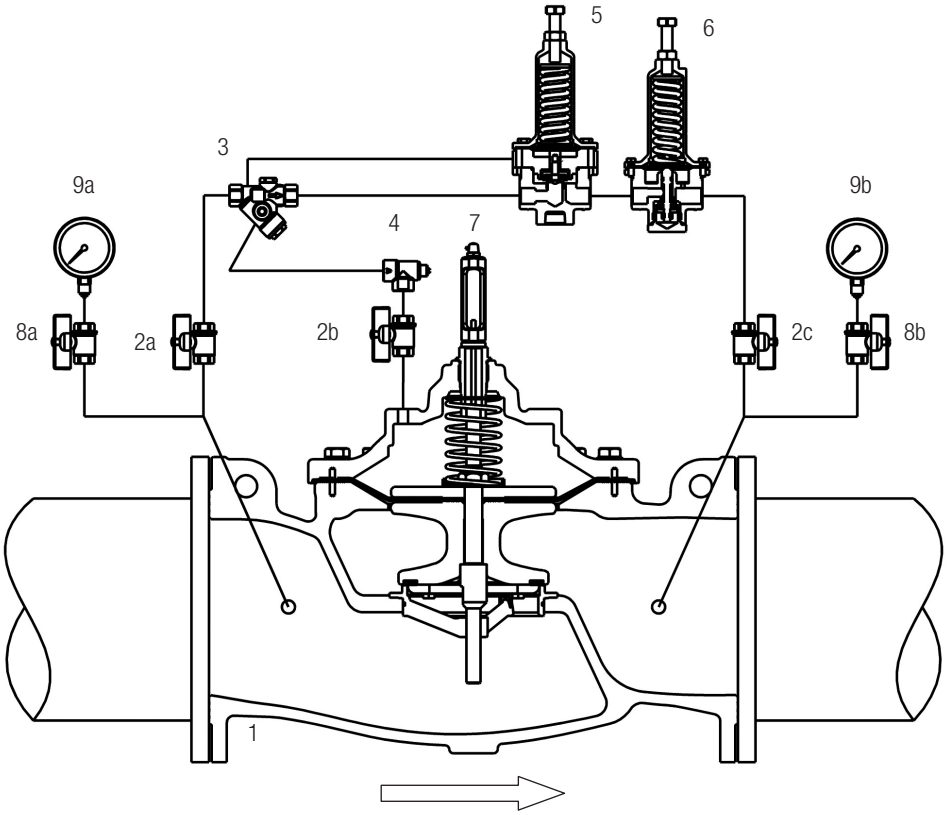
OPERATING PRINCIPLE

This valve reduces and stabilizes the downstream pressure at a preset value regardless of the flow rate and upstream pressure variations or maintains a minimum inlet pressure.
This type of valve is mainly used in water supply and distribution systems.
The purpose of this valve is to ensure an outlet reduced and stabilized pressure or to ensure a minimum inlet pressure

ADDITIONAL FUNCTIONS

- shut-off remote electrical control;
- non-return;
- reverse opening device;
- two adjustable reduction values both with electrical remote control and with fully manual hydraulic system;
- flow rate control;
- minimum-maximum level control with float pilot and dissipation orifice.

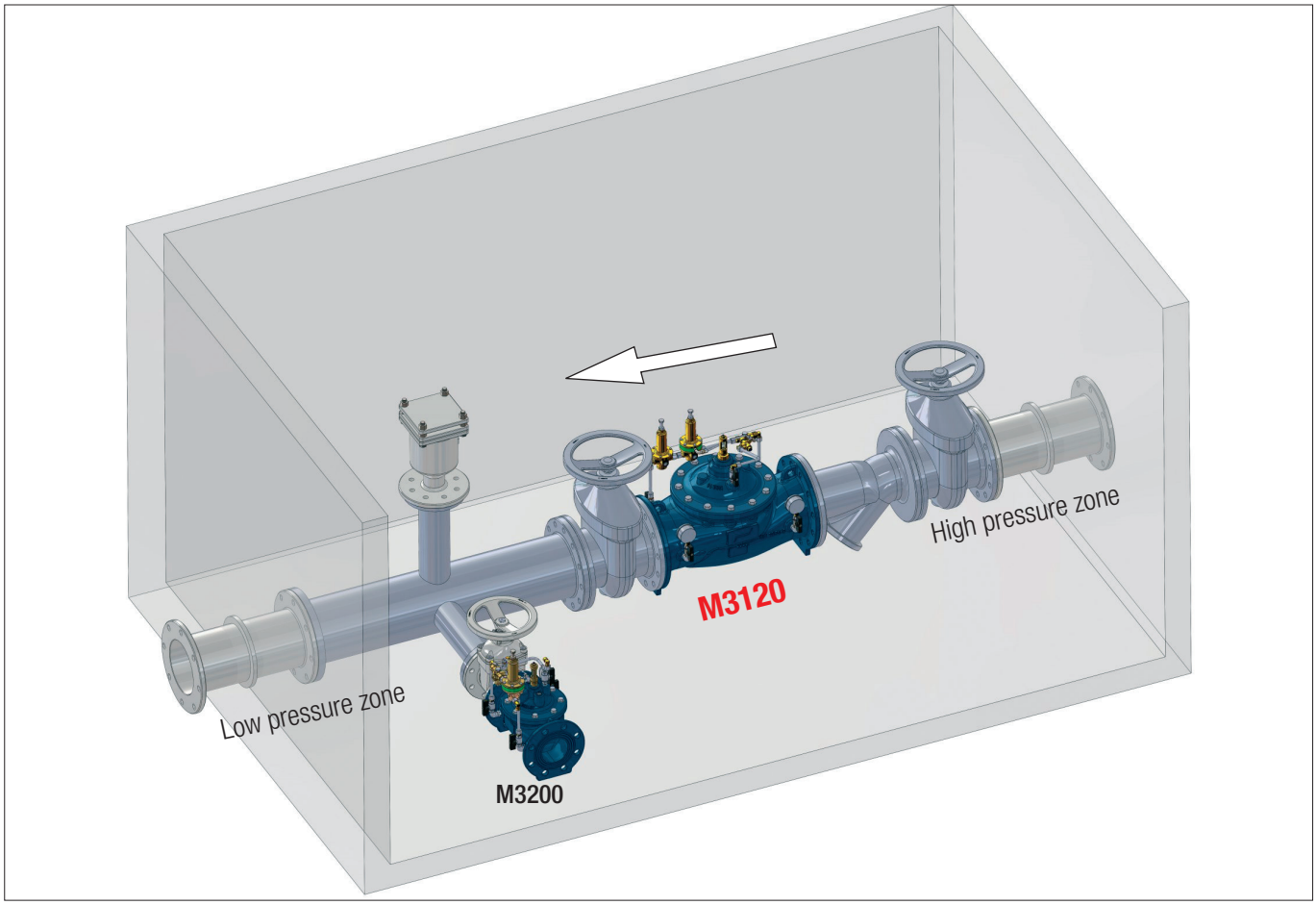
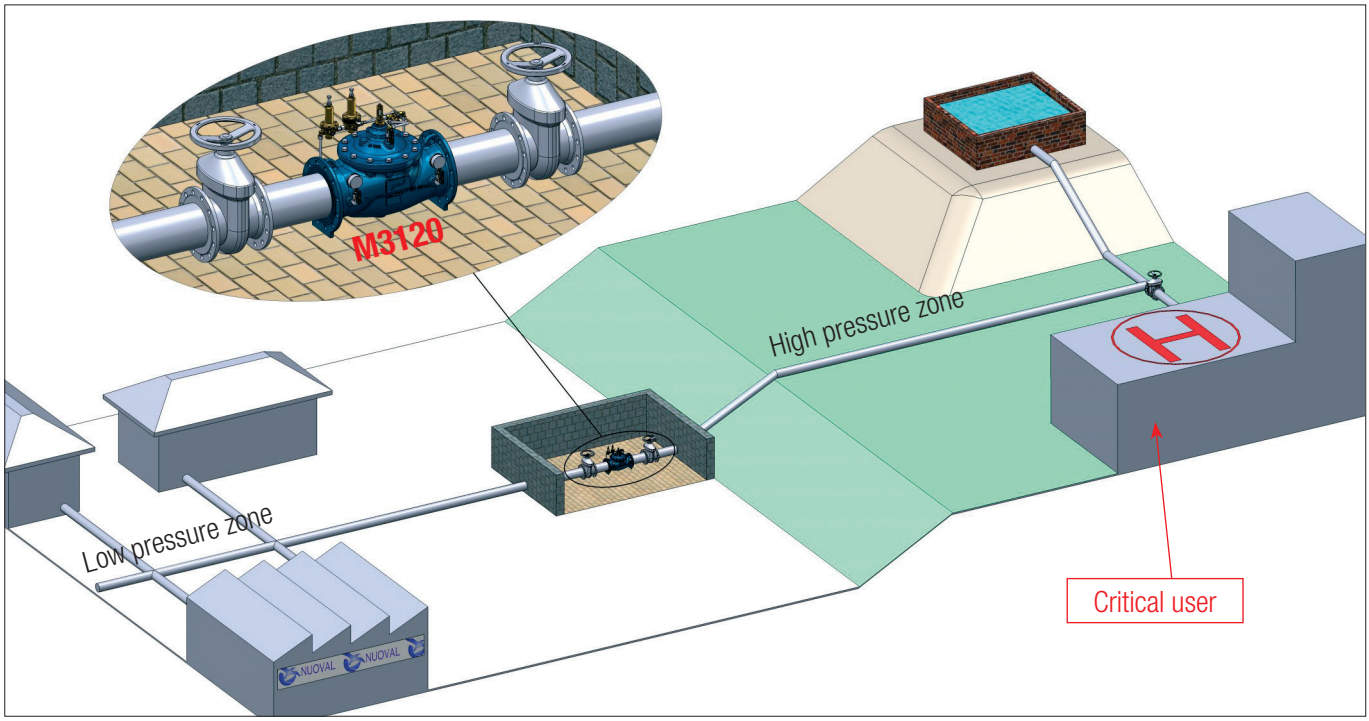
CIRCUIT AND MATERIALS



ITEM	DESCRIPTION	MATERIALS (STANDARD)	MATERIAL (HQY-HQ)
1	Main valve	GJS400-15 EN1563	GJS400-15 EN1563
2 (a,b,c)	Isolating ball valve	Ni-plated Brass	HQY: Ni-plated Brass HQ: 1.4401 EN10088-3
3	Y - strainer with calibrated orifice	1.4401 EN10088-3 + Brass	1.4401 EN10088-3
4	Monodirectional needle valve	1.4401 EN10088-3 + Brass	1.4401 EN10088-3
5	Pressure relief / sustaining pilot	1.4401 EN10088-3 + Brass (CM200)	1.4401 EN10088-3 (CM260)
6	Pressure reducing pilot	1.4401 EN10088-3 + Brass (CV100)	1.4401 EN10088-3 (CV160)
7	Position indicator with manual venting device	Brass + Hardened glass	1.4401 EN10088-3 + Hardened Glass
8 (a,b)	Gauge holder with drainage	Ni-plated Brass	HQY: Ni-plated Brass HQ: 1.4401 EN10088-3
9 (a,b)	Pressure gauge	1.4301 EN10088-3 + Glycerine	1.4301 EN10088-3 + Glycerine
--	Pipe	1.4401 EN10088-3	1.4401 EN10088-3
--	Fittings	1.4401 EN10088-3	1.4401 EN10088-3
--	Compression fittings	1.4401 EN10088-3 + Brass	1.4401 EN10088-3

TIS Service reserves the right to make technical changes • ED. 01-2026

TYPICAL INSTALLATION



TYPICAL APPLICATION