

M3400 • FLOW CONTROL VALVE



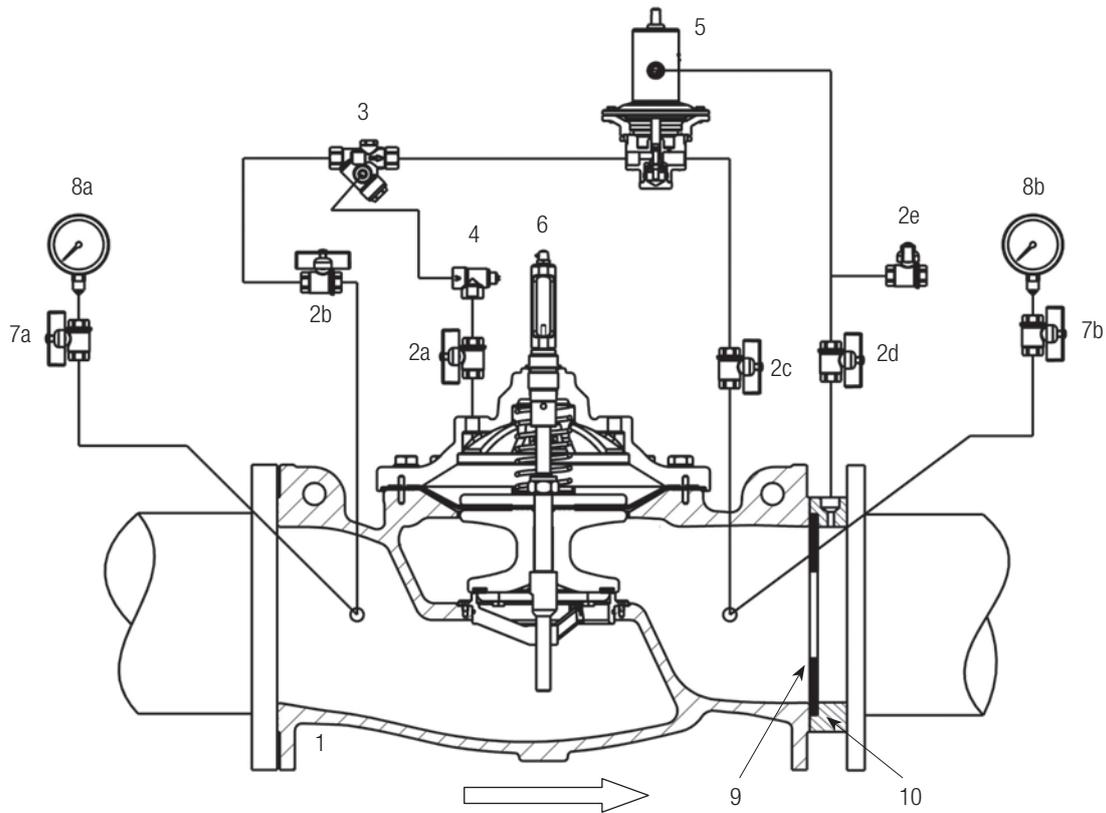
OPERATING PRINCIPLE

The valve automatically limits flow to a maximum flow rate, independently of pressure variations upstream and downstream. Every differential pressure variation, measured by a calibrated orifice (installed downstream of the valve), is transmitted to a differential pilot control that immediately corrects the position of the valve in order to limit the flow rate at the value set.

ADDITIONAL FUNCTIONS

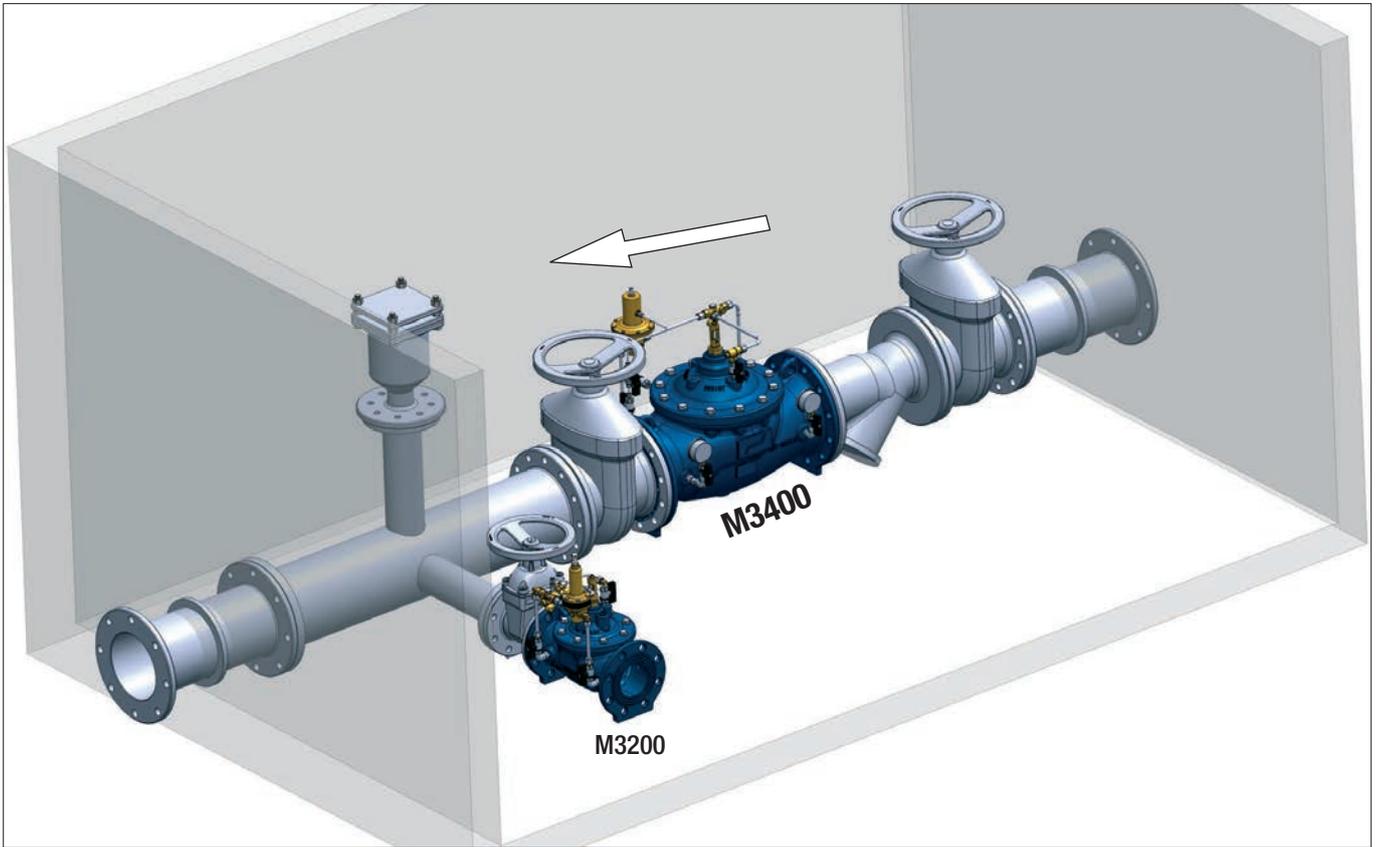
- pressure reducing;
- pressure sustaining;
- shut-off with electrical remote control;
- non-return;
- reverse opening device;
- two flow rates settable either by electrical remote control, or manually;
- minimum-maximum level control with three-way float pilot.

CIRCUIT AND MATERIALS



ITEM	DESCRIPTION	MATERIALS
1	Main valve	GJS400-15 EN1563
2 (a,b,c,d,e)	Isolating ball valve	Ni-plated Brass
3	Y - strainer with calibrated orifice	1.4401 EN10088-3 + Brass
4	Monodirectional needle valve	1.4401 EN10088-3 + Brass
5	CP400 flow rate control pilot	1.4301 EN10088-3 + Brass
6	Position indicator with manual venting cock	Brass + Hardened glass
7(a,b)	Gauge holder with drainage hole	Ni-plated Brass
8(a,b)	Pressure gauge	1.4301 EN10088-3 + Glycerine
9	Calibrated orifice	1.4301 EN10088-3
10	Clamping plate	Steel epoxy coated
--	Pipe	1.4401 EN10088-3
--	Fittings	1.4401 EN10088-3
--	Compression fittings	1.4401 EN10088-3 + Brass

TYPICAL INSTALLATION



TYPICAL APPLICATION

