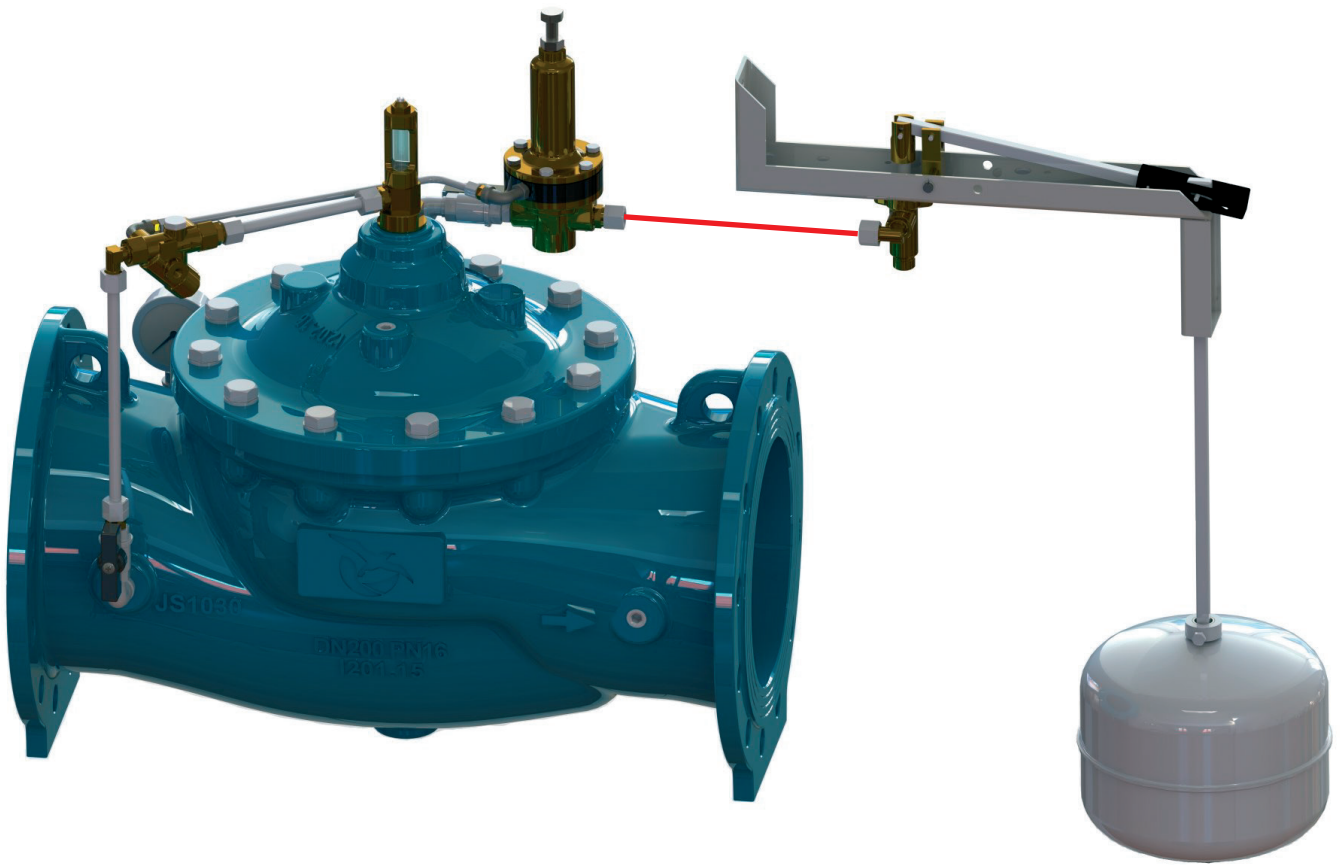


M3520 • FLOAT CONTROLLED MODUATING CONSTANT LEVEL AND PRESSURE SUSTAINING VALVE

NUOVAL LINE



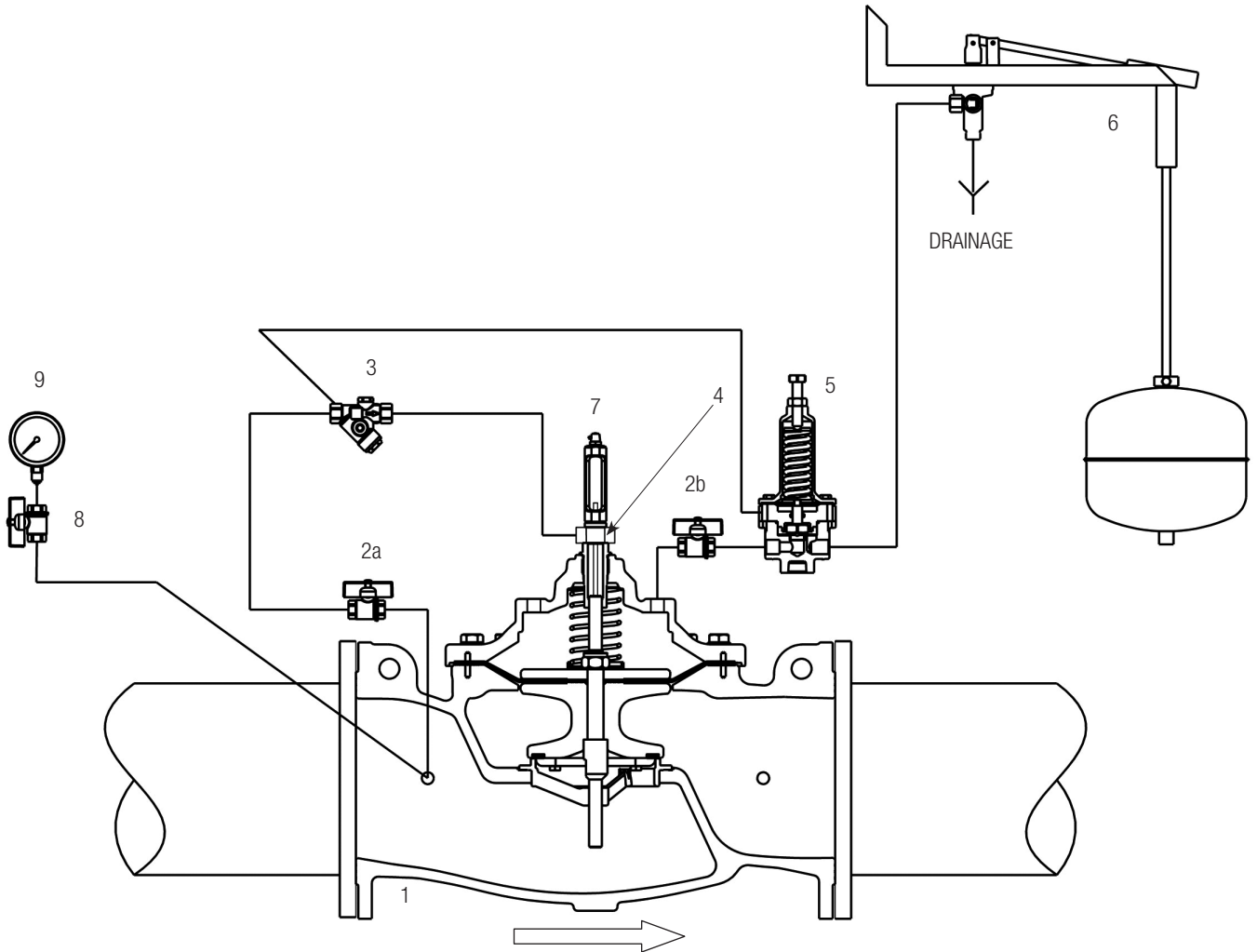
OPERATING PRINCIPLE

The pilot float control enables the valve to maintain a constant level in a reservoir within a variation range of 10 cm. The combined action of the float pilot and the synchronizer machined on the valve stem, ensures an accurate and stable modulation, keeping a balance between the flow required from the network and the flow adducted by the valve into the tank. By means the pressure sustaining pilot, the valve maintains a minimum setting inlet pressure.

ADDITIONAL FUNCTIONS

- shut-off with electrical remote control;
- non-return;
- anti-freeze device;
- relief function.

CIRCUIT AND MATERIALS

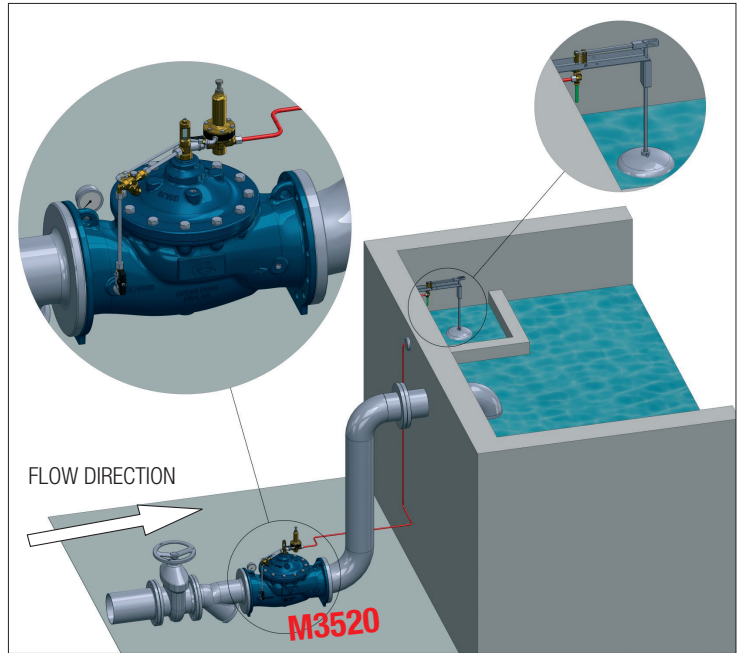


NUOVAL LINE

ITEM	DESCRIPTION	MATERIALS (STANDARD)	MATERIAL (HQY / HQ)
1	Main valve	GJS400-15 EN1563	GJS400-15 EN1563
2 (a,b)	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	Hydraulic synchronizer	1.4301 EN10088-3 + Brass	1.4301 EN10088-3
5	Pressure sustaining pilot	1.4401 EN10088-3 + Brass (CM200)	1.4401 EN10088-3 (CM260)
6	Float pilot	1.4301 EN10088-3 + Brass (CL500)	1.4301 EN10088-3 (CL500HQ)
7	Position indicator with manual venting device	Brass + Hardened glass	1.4401 EN10088-3 +Hardened glass
8	Gauge holder with drainage hole	Ni-plated Brass	HQY:Ni-plated Brass HQ:1.4401 EN10088-3
9	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

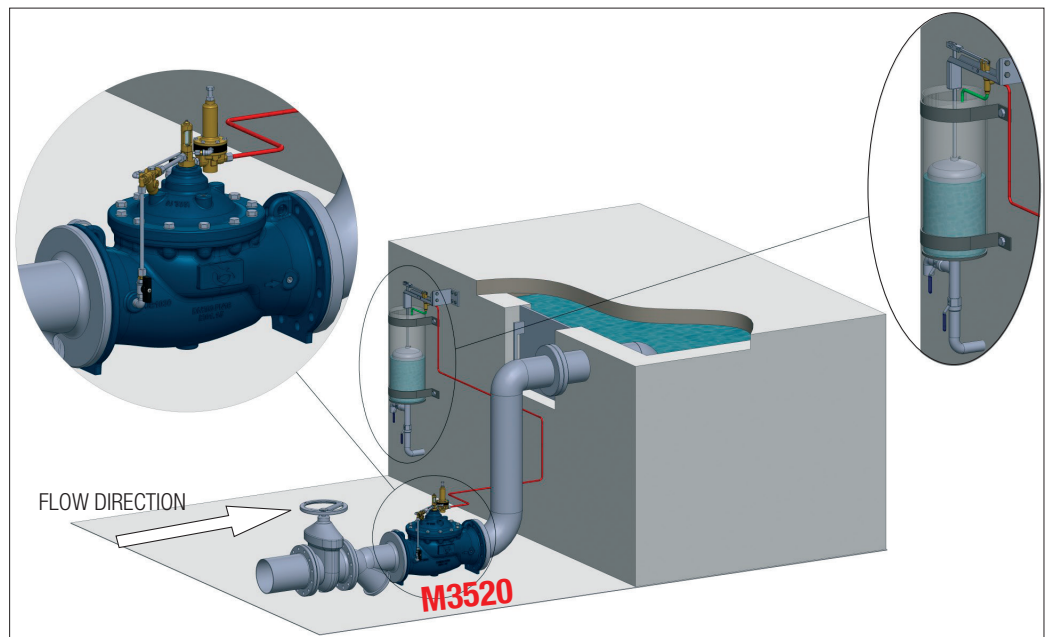
INSTALLATION: TYPE A

IN-TANK INSTALLATION. (Float located in a calm zone)



INSTALLATION: TYPE B

OUT-OF-TANK INSTALLATION



TYPICAL APPLICATION

