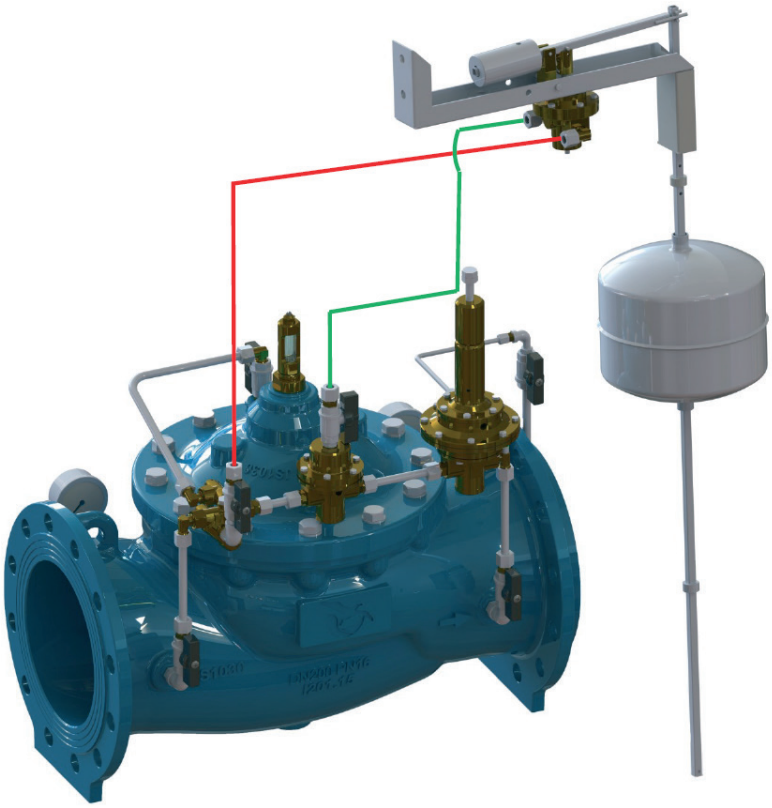
NUOVAL LINE

M3640 • FLOAT CONTROLLED ON-OFF AND FLOW CONTROL VALVE



OPERATING PRINCIPLE

The valve controls the minimum (valve opens) and maximum (valve close) water levels in a reservoir using a three-way float pilot. The two trigger levels are easily adjusted by moving the clamps on the float extension rod. Adjustment is between a minimum of 10 cm to a maximum of about 65 cm. The valve also automatically limits flow to a maximum flow rate, independently of pressure variations upstream. 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

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

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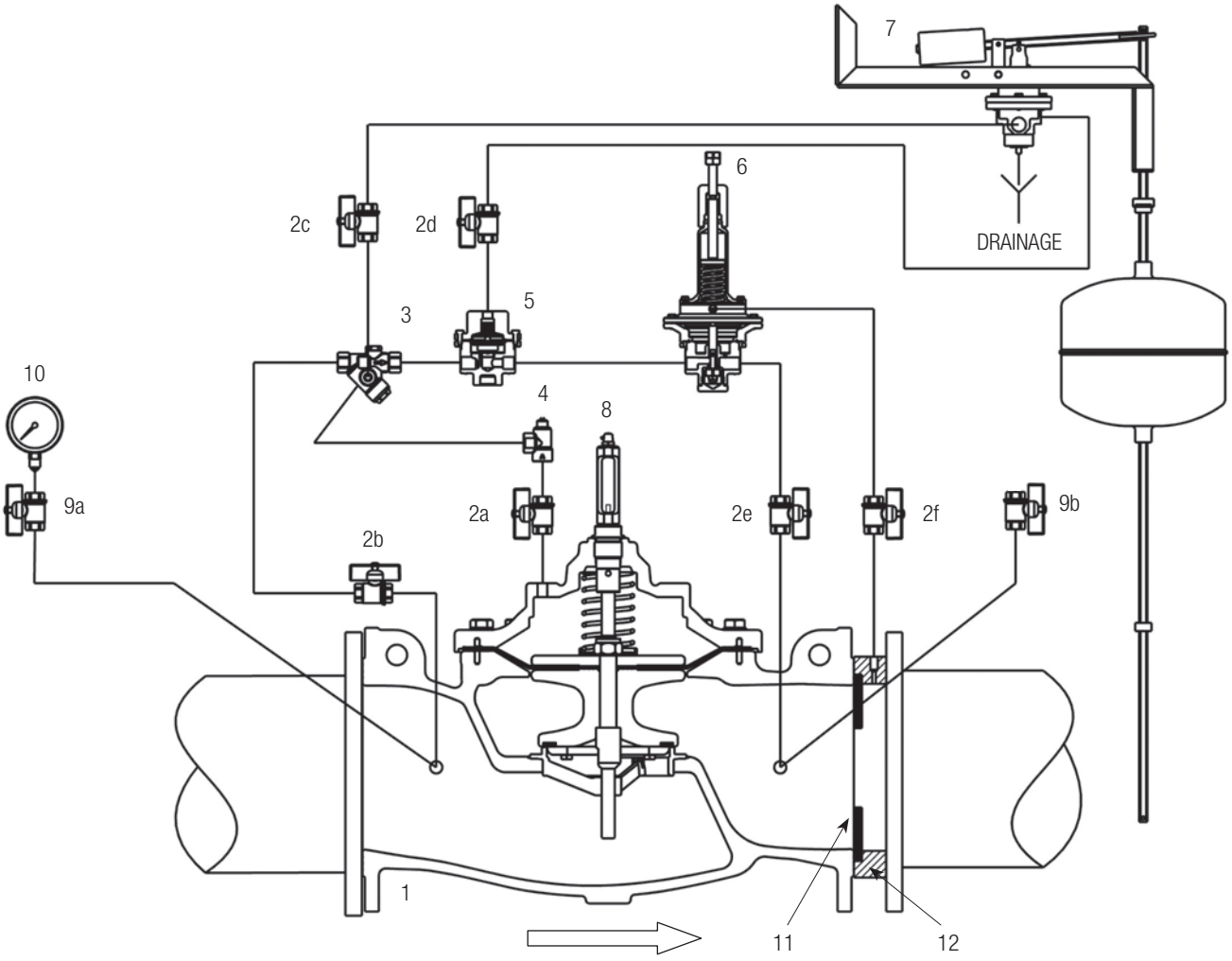
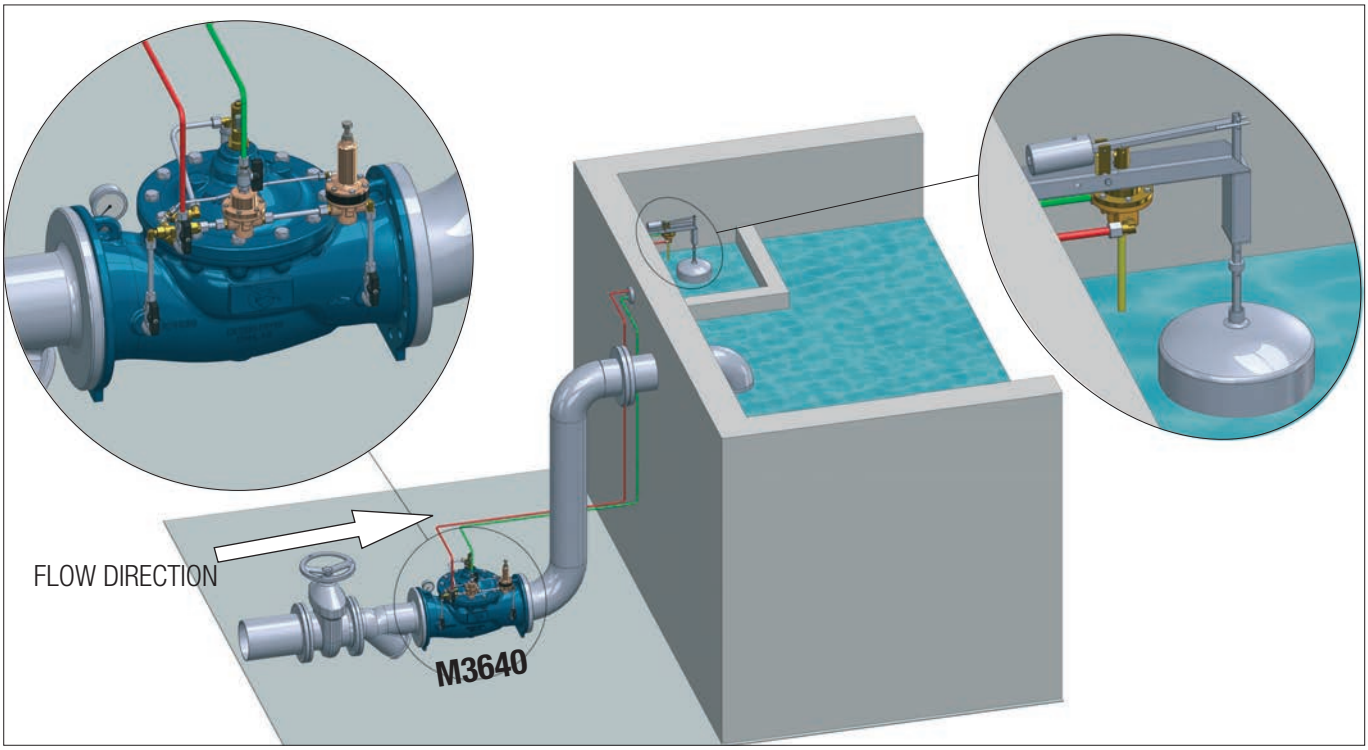
CIRCUIT AND MATERIALS



ITEM	DESCRIPTION	MATERIALS
1	Main valve	GJS400-15 EN1563
2 (a,b,c,d,e,f)	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	Auxiliary to way N.O. valve VA200	1.4301 EN10088-3 + Brass
6	CP400 flow rate control pilot	1.4301 EN10088-3 + Brass
7	CL600 on-off float pilot	1.4301 EN10088-3 + Brass
8	Position indicator with manual venting cock	Brass + Hardened glass
9 (a,b)	Gauge holder with drainage	Ni-plated Brass
10	Pressure gauge	1.4301 EN10088-3 + Glycerine
11	Calibrated orifice plate	1.4301 EN10088-3
12	Clamping plate	Steel epoxy coated
--	Pipe	1.4401 EN10088-3
--	Fittings	1.4401 EN10088-3
--	Compression fittings	1.4401 EN10088-3 + Brass

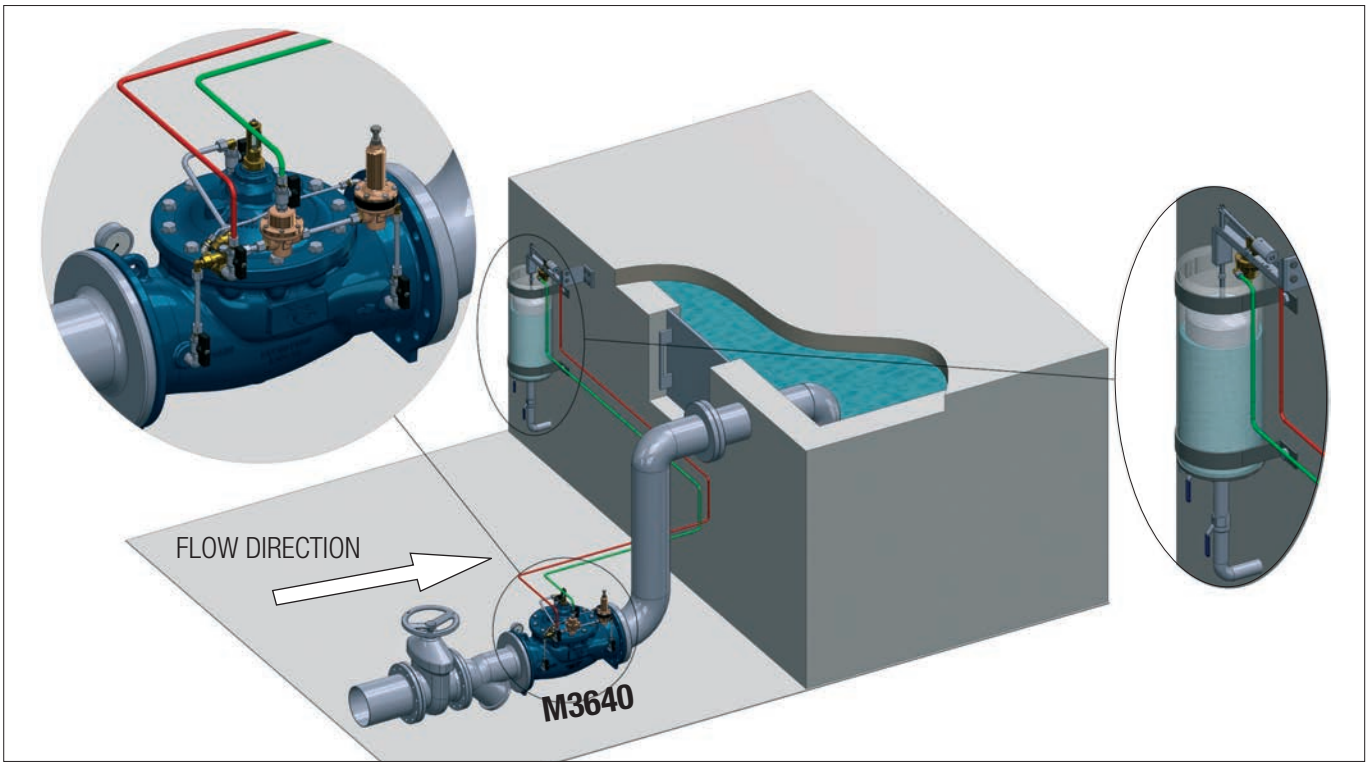
INSTALLATION: TYPE A

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



INSTALLATION: TYPE B

OUT-OF-TANK INSTALLATION.



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