



Alpine Flowtech

Control Valves, Sewage Air Valves, Controllers, Pressure, Flow, Level & Leakage Management.

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BOQ FOR INSTALLATION AND COMMISSIONING OF SURGE ANTICIPATING VALVE.

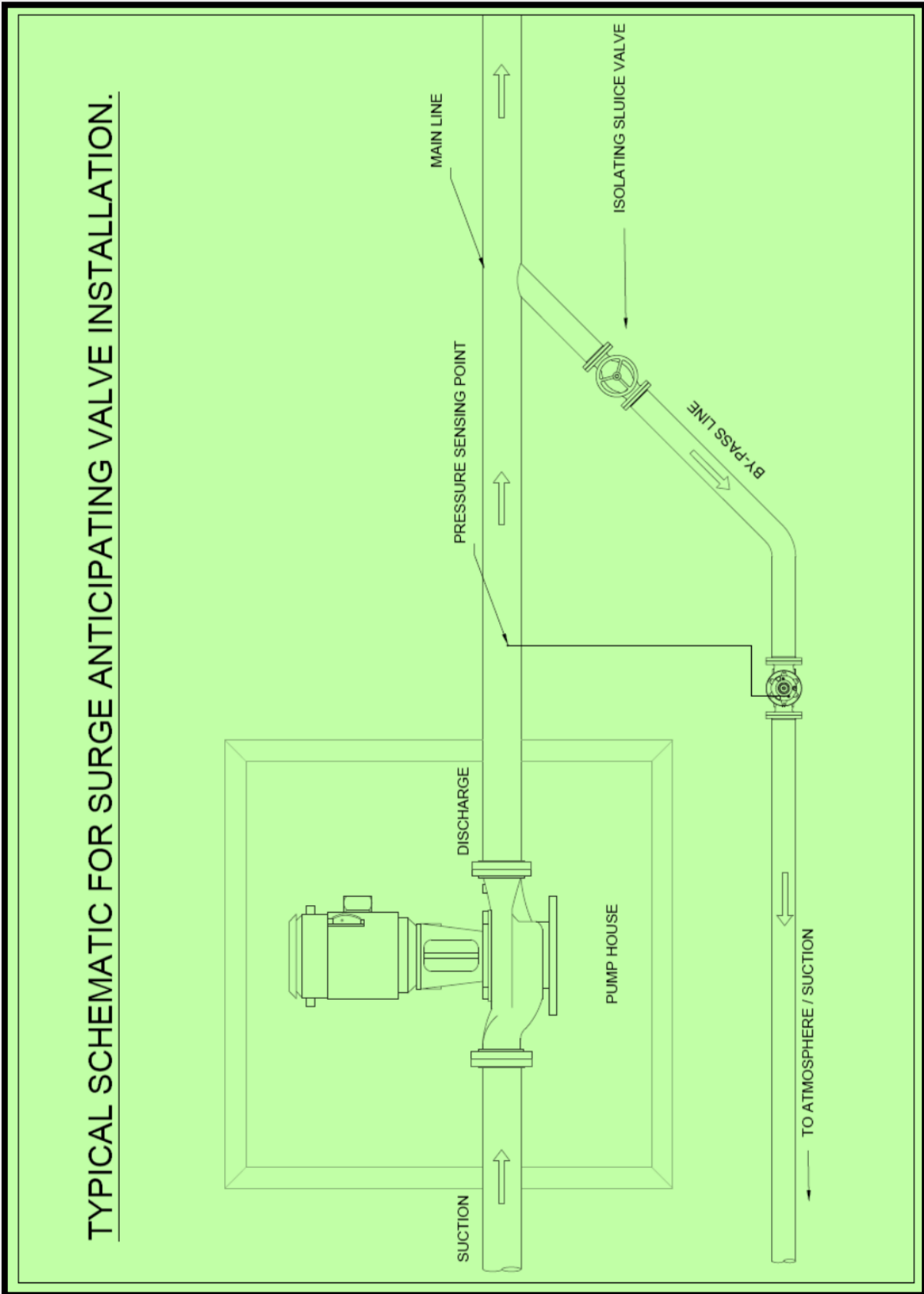
MAIN ITEMS

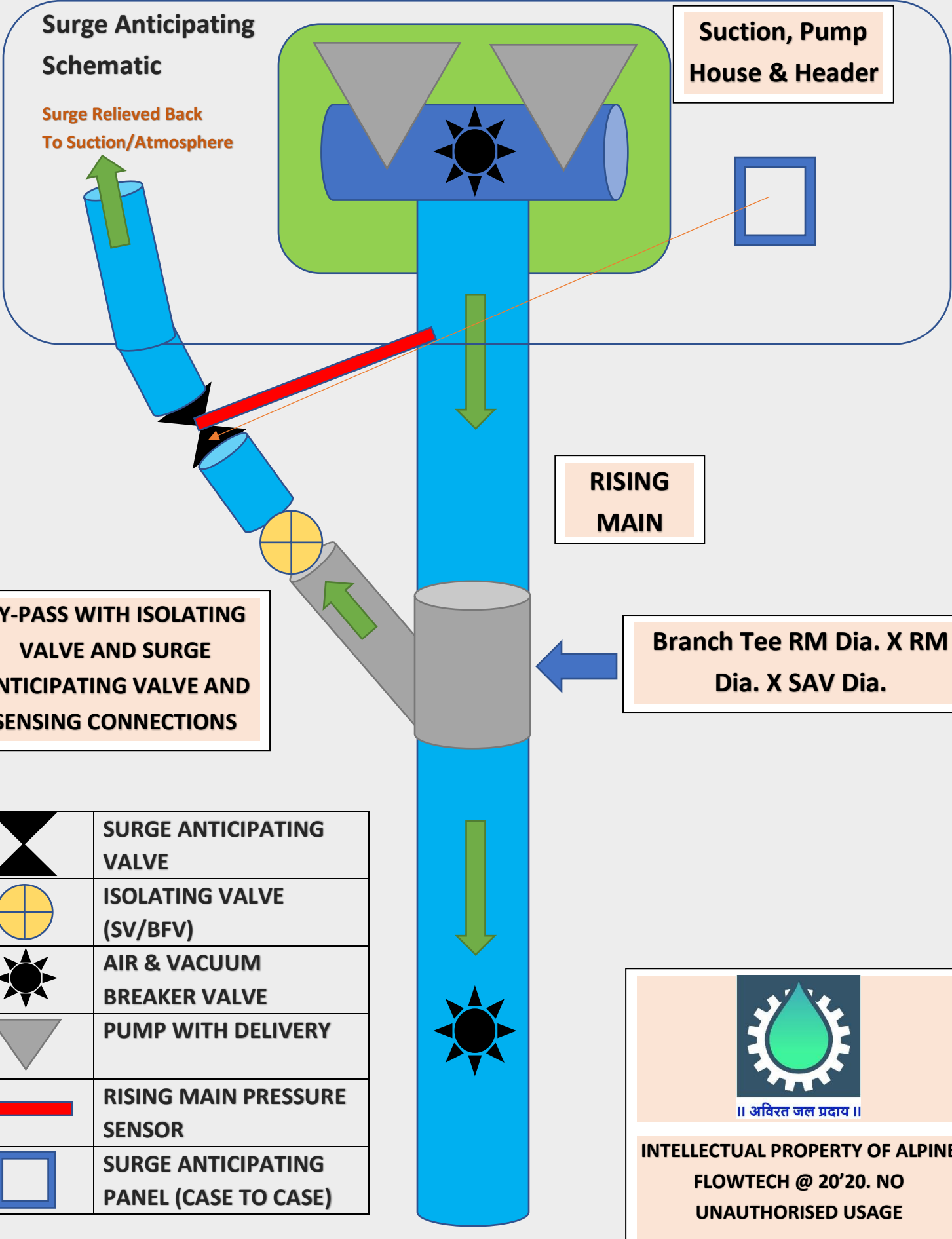
SR	DESCRIPTION
1	Surge Anticipating Valve (SAV) with Pilots or 24 vDC Solenoid option for Low surge pilot. The Valve shall be rested on a suitable concrete block.
2	Isolating Sluice Valve. The Valve shall be rested on a suitable concrete block.
3	MS branch pipe to be welded to the Rising main. The angle of the branch should be within 22.5 to 45 degrees. The branch pipe flow direction should be towards the Suction side. The branch pipe size will be RM Dia. x RM Dia. x SAV Dia. (Branch). The branch pipe shall be suitable anchored by clamps on to the concrete block. Connecting MS flanges with nut, bolts, insertion gasket, washers are required.
4	Kinetic Air and Vacuum Breaker Valves. 1 on header manifold and 1 some distance ahead of the SAV. These Air Valves are in addition to the other air/vacuum breaker valves along the rising main.
5	MS distance piece if required for matching flanges of Surge Valve and Isolating Valve with necessary nut, bolts, insertion gasket, washers
6	Surge panel if supplied with UPS
7	Connecting pipe to dispose surge water back from SAV to the suction tank or reservoir

Auxiliary Items

SR	DESCRIPTION
1	Connecting hose 10 mm, 15 mm, or 25 mm from rising main to SAV with ferrule, nipple, isolating ball valve, Loctite, Teflon tape
2	Pressure Gauge with isolating ball valve, connecting ferrule, fittings etc., and loctite
3	Necessary cable with casing pipe if panel is to be integrated
4	Pump House/room for mounting the surge panel and with 230 vAC power supply and necessary sockets.
5	Small Fittings, etc., as required at site.

Please refer the O&M manual as well as the general installation schematic attached with this guide.





Surge Anticipating Schematic

Surge Relieved Back To Suction/Atmosphere

Suction, Pump House & Header

RISING MAIN

BY-PASS WITH ISOLATING VALVE AND SURGE ANTICIPATING VALVE AND SENSING CONNECTIONS

Branch Tee RM Dia. X RM Dia. X SAV Dia.

	SURGE ANTICIPATING VALVE
	ISOLATING VALVE (SV/BFV)
	AIR & VACUUM BREAKER VALVE
	PUMP WITH DELIVERY
	RISING MAIN PRESSURE SENSOR
	SURGE ANTICIPATING PANEL (CASE TO CASE)



॥ अविस्त जल प्रदाय ॥

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