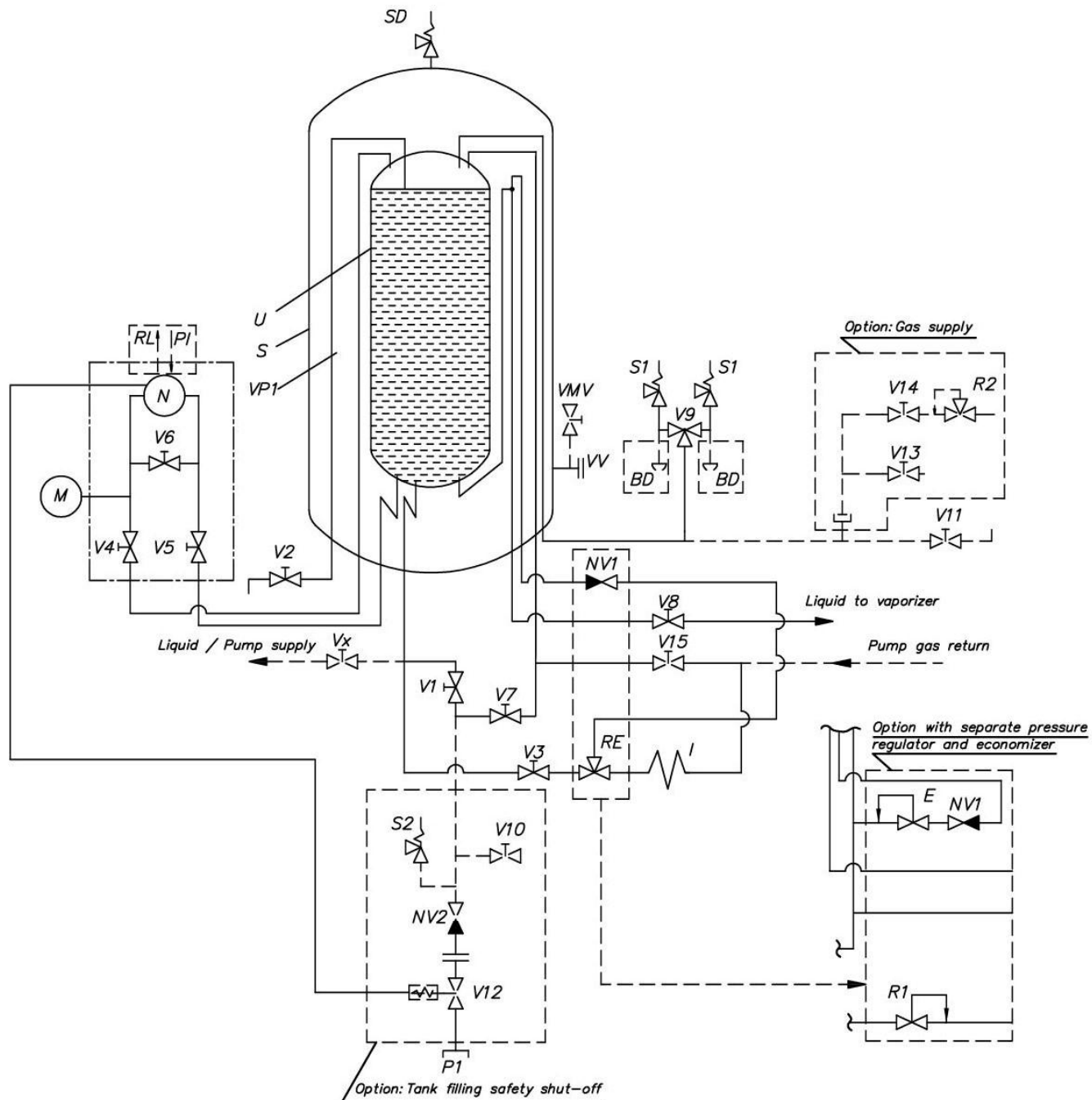


Vertical Bulk Tank for LOX, LIN, LAR

Flow Diagram



V1	Bottom liquid inlet/outlet valve	NV1	Check valve
V2	Overflow valve	NV2	Check valve (optional)
V3	Pressure build-up valve	I	Pressure build-up vaporizer
V4	Manometer valve / Liquid level (-)	RE	Integral pressure regulator / economizer
V5	Liquid level (+)	R1	Pressure regulator (optional)
V6	Equalizer valve	R2	Pressure regulator (optional)
V7	Top liquid inlet/ Gas outlet valve	E	Economizer (optional)
V8	Liquid gas to product vaporizer valve	S1	Inner vessel safety valves
V9	Three way valve / Diverter valve	S2	Line safety valve (optional)
V10	Pressure relief valve (optional)	SD	Safety disc
V11	Pressure relief valve (optional)	BD	Bursting discs (optional)
V12	Emergency shut down valve – overfill protection valve (optional)	M	Manometer
V13	Gas discharge valve (optional)	N	Liquid level indicator
V14	Shut off valve (optional)	RL, PI	Remote level and / or pressure indicator (optional)
V15	Pump gas return valve (optional)	P1	Filling connection
Vx	Liquid outlet / Pump supply valve (optional)	U	Inner vessel
VV	Vacuum lock valve	S	Outer jacket
VMV	Vacuum measurement valve (optional)	VPI	Vacuum–perlite insulation