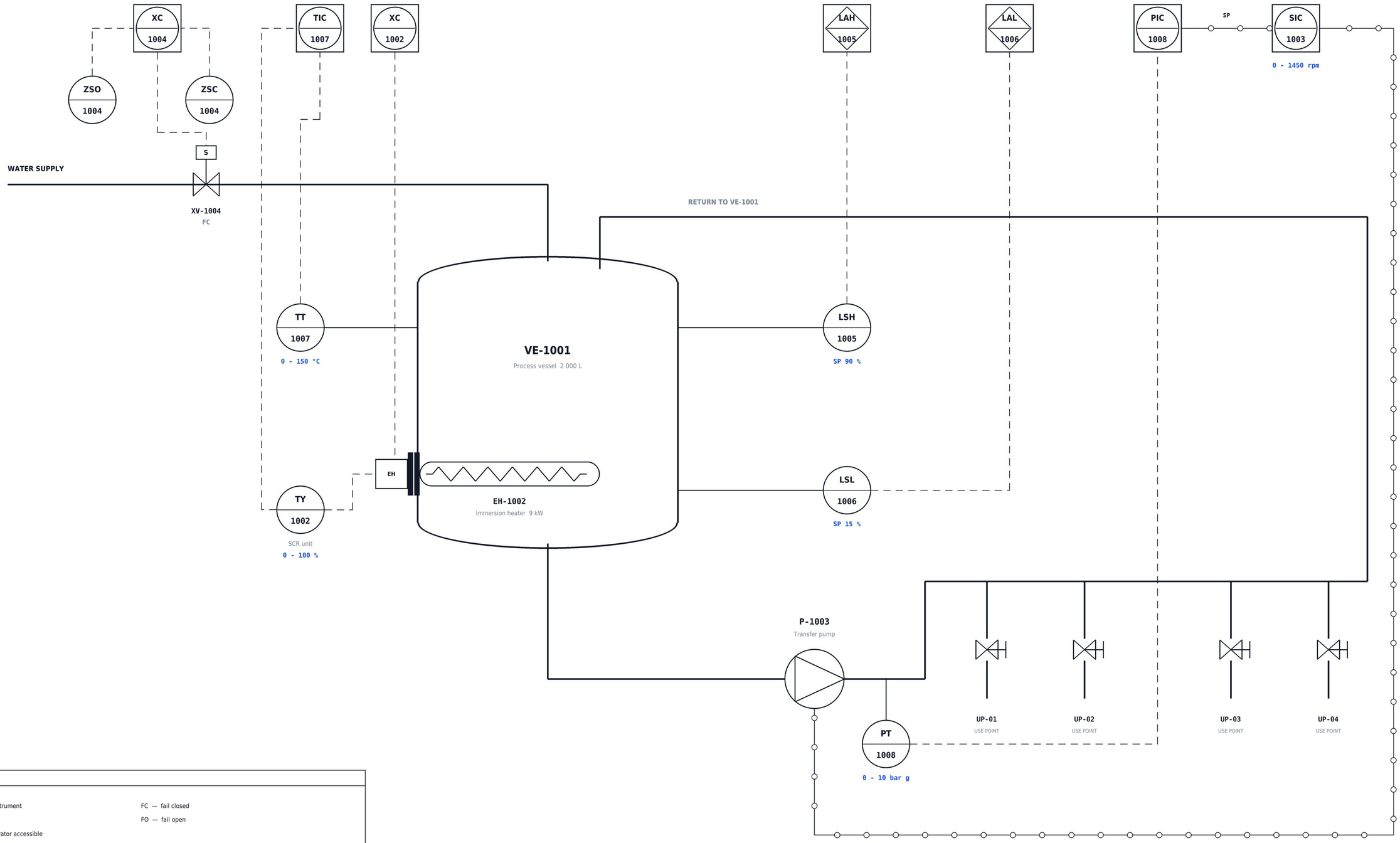
PLC R01 · VE-1001-CP-01



LEGEND

- Field mounted instrument
- PLC function, operator accessible
- PLC interlock function
- Process line
- Electrical signal
- Software / data link

FC — fail closed
FO — fail open

NOTES

1. LAH-1005 closes XV-1004 on high level. LAL-1006 stops P-1003 and disables EH-1002.
2. TIC-1007 modulates EH-1002 via TY-1002. XC-1002 enables EH-1002 through contactor KM-02.
3. PIC-1008 holds discharge pressure by setting the speed setpoint of SIC-1003 (cascade).
4. Distribution loop returns to VE-1001. Use point valves UP-01 to UP-04 are manual.

VE-1001 WATER HEATING & DISTRIBUTION SKID

Example drawing for training purposes — not a real installation

MGTrace
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TRAINING EXAMPLE — FICTIONAL PLANT

PIPING & INSTRUMENTATION DIAGRAM

	DRAWING No.	REV
VE-1001 water heating & distribution skid	P-1001	06