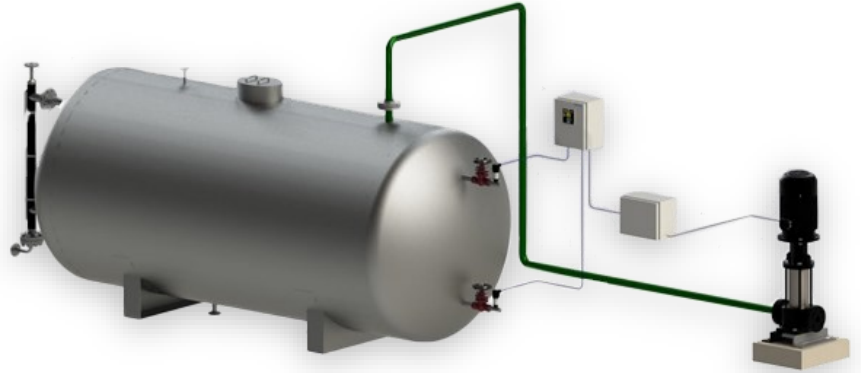


Level Control

Economical & Reliable
Universal System for all
applications



| Features | Details | Benefits |
|---|---|---|
| Digital Display | <ul style="list-style-type: none"> Instantaneous digital display of tank level | <ul style="list-style-type: none"> Precise tank level monitoring & control |
| Programmable Set Points | <ul style="list-style-type: none"> User programmable set points for precise tank level control | <ul style="list-style-type: none"> User can reprogram set points as per operational requirements |
| Static Sensors | <ul style="list-style-type: none"> No moving parts, reduced wear & tear and maintenance | <ul style="list-style-type: none"> No physical movement of sensors / transmitters for changing set points |
| Auto-Manual switchover | <ul style="list-style-type: none"> Easy auto-manual switchover to operate system in manual mode during maintenance | <ul style="list-style-type: none"> Refilling pump can be operated in auto mode or manual mode during maintenance |
| Retransmission Output | <ul style="list-style-type: none"> 4-20 mA or RS 485 retransmission output options available on request | <ul style="list-style-type: none"> Data can be transferred to DCS/ SCADA/BMS locally in the plant |
| Real Time Trends (Advanced Version) | <ul style="list-style-type: none"> Real time trends for monitoring tank level operational behaviour | <ul style="list-style-type: none"> Monitor the behaviour and take corrective actions |
| USB Storage Support (Advanced Version) | <ul style="list-style-type: none"> Data can be stored in external USB mass storage | <ul style="list-style-type: none"> Data recording & retrieving for analysis |
| Ethernet Connectivity (Advanced Version) | <ul style="list-style-type: none"> Data can be monitored remotely with 4.3" HMI display options | <ul style="list-style-type: none"> Mobile app enabled system for monitoring the system with 4.3" HMI display options |

The LC+ Level Control Series system is suitable for both open tank & closed tank liquid level monitoring and control applications. The HMI display is equipped with real time digital display of instantaneous liquid level and user defined set point. This system is suitable for all shapes and heights of tank in the boiler house and other storage applications.

Specifications

| | |
|--------------------------------------|---|
| Power Supply | 220 VAC, 50 Hz |
| Accuracy | 1% of Measured Value |
| Tank Height Options | <2.5 Meter <5 Meter <10 Meter |
| HMI Display Options | 2 Lines, 8 Character LCD-HMI 4.3" Touch Screen - HMI |
| Retransmission Output Options | 4-20 mA RS 485 |

Case Study:

Feed water tank temperature by using automatic level control system = 71 °C

Current feed water tank temperature = 35 °C

Difference in temperature - 71°C – 35 °C = 36 °C

Please note every 6 degrees rise in feed water temperature = 1% fuel saving.

Fuel consumed every 15 days = 7,500 scm

Therefore, annual fuel consumption = 7,500 x 24 = 1,80,000 scm.

Cost of gas per scm. = Rs. 56 per scm.

Thus, annual cost of fuel = 56 x 1,80,000

= Rs. 1,00,80,000 /-

6% savings = 1,00,80,000 x 0.06 = Rs. 6,04,800 /-

| Sr No. | Description | Order Code |
|--------|--|------------|
| 1 | LC+ Level Controller with level sensors for 2 Lines, 8 Character LCD-HMI (<2.5 mt tank height) - Economy Version | LC+ 1.1 |
| 2 | LC+ Level Controller with level sensors for 2 Lines, 8 Character LCD-HMI (<5 mt tank height) - Economy Version | LC+ 1.2 |
| 3 | LC+ Level Controller with level sensors for 2 Lines, 8 Character LCD-HMI (<10 mt tank height) - Economy Version | LC+ 1.3 |
| 4 | LC+ Level Controller with level sensors and 4.3" Touch Screen - HMI (<2.5 mt tank height) - Advanced Version | LC+ 1.1 |
| 5 | LC+ Level Controller with level sensors and 4.3" Touch Screen - HMI (<5 mt tank height) - Advanced Version | LC+ 1.2 |
| 6 | LC+ Level Controller with level sensors and 4.3" Touch Screen - HMI (<10 mt tank height) - Advanced Version | LC+ 1.3 |

Since 1986, Maxima Boilers has been one of the leading boiler manufacturers in India, focused on providing customers across the world with a wide range of steam solutions. Our Maxima Steam Works division offers complete steam solutions for your plant. Our product range includes:

**Steam Boilers | Solid Fired Boilers | Small Industrial Boilers | Thermic Fluid Heaters | Hot Water Boilers
Waste Heat Recovery Boiler | Steam Generators | Coil Type Boilers | Steam Accumulators | Pressure Reducing Stations | Temperature Control Systems | Thermodynamic Traps | Piston & Globe Valves
Steam Traps | Condensate Recovery Systems | Pipeline Accessories | Efficiency Monitoring Systems
Thermostatic Traps | Ball Float Traps | Pumping Traps | Automatic Blowdown Control Systems**

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