### Wastewater Treatment Plant & Process

#### Chemical Treatment Applications
- **Pressure Monitoring**
  - TEFG Molded PVDF Pressure Gage
  - PPG Molded Polypropylene Pressure Gage

#### Level Monitoring
- **Level Transmitters**
  - ULT Ultrasonic Level Transmitter

#### Flow Monitoring
- **Flow Transmitters**
  - PUX Portable Transit Time Ultrasonic Flowmeter
  - UXF1 Fixed Transit Time Ultrasonic Flowmeter

#### Valves
- **Ball Valves**
  - TBV/TBV2 True Union PVC/CPVC Ball Valves
  - SCV True Union PVC/CPVC Spring Check Valve
  - BCV True Union PVC/CPVC Ball Check Valve
  - FPV PVC Flap Check Valve
  - PBFV PVC/CPVC Butterfly Valve

### Pump Control Applications

#### Flow Proving
- **Flow Switches**
  - V4 Vane Operated Flow Switch

#### Pressure Monitoring
- **Pressure Transmitters**
  - 626/628 Single Pressure Transmitter
  - EDA Indicating Pressure Switch and Transmitter

#### Pressure Indication
- **Pressure Gages**
  - SGS 4˝ Stainless Steel Pressure Gage

### Wastewater Process Applications

#### Flow Monitoring
- **Flow Transmitters**
  - PUX Portable Transit Time Ultrasonic Flowmeter
  - UXF1 Fixed Transit Time Ultrasonic Flowmeter

#### Level Monitoring
- **Level Transmitters**
  - PBLT2/PBLTX Hydrostatic Level Transmitter
**WASTEWATER TREATMENT PLANT & PROCESS**

**PRODUCTS APPLIED FOR**

**WASTEWATER TREATMENT PLANT & PROCESS**

**PRODUCTS APPLIED FOR**

**Wastewater Treatment Plant & Process**

**Chemical Treatment Applications**
- Pressure Monitoring
- Pressure Indication
- TEFG Molded PVDF Pressure Gage
- PPG Molded Polypropylene Pressure Gage

**Level Monitoring**
- ULTR Ultrasonic Level Transmitter

**Flow Monitoring**
- SFI-800 Sight Flow Indicator/Transmitter
- VAT Variable Area Fluoropolymer Flowmeter
- LFM Variable Area Polycarbonate Flowmeter
- UV Variable Area Polysulfone Flowmeter
- VF Variable Area Acrylic Flowmeter

**Valves**
- TBV/TBV2 True Union PVC/CPVC Ball Valves
- SCV True Union PVC/CPVC Spring Check Valve
- BCV True Union PVC/CPVC Ball Check Valve
- FPV PVC Flap Check Valve
- PBFV PVC/CPVC Butterfly Valve

**Pump Control Applications**
- Flow Proving
- Flow Switches
- V4 Vane Operated Flow Switch

**Pressure Monitoring**
- Pressure Transmitters
- 626/628 Single Pressure Transmitter
- EDA Indicating Pressure Switch and Transmitter

**Pressure Indication**
- SGS 4˝ Stainless Steel Pressure Gage

**Wastewater Process Applications**
- Flow Monitoring
- Flow Transmitters
- PUX Portable Transit Time Ultrasonic Flowmeter
- UXF1 Fixed Transit Time Ultrasonic Flowmeter

**Level Monitoring**
- PBLT2/PBLTX Hydrostatic Level Transmitter

**Disinfection**
- (Chlorine Contact Tanks and Ultraviolet)

**Receiving Water**
- Influent
- Pumping Station
- To Landfill

**Discharge**
- Electricity & Heating
- Landfill
- Incineration
- Fertilizer
PRODUCTS APPLIED FOR
WASTEWATER TREATMENT PLANT & PROCESS

Chemical Treatment Applications
- Pressure Monitoring
  - TEFG Molded PVDF Pressure Gage
  - PPG Molded Polypropylene Pressure Gage
- Pressure Indication
  - /UIforward
    - TEFG Molded Polyethylene Pressure Gage
- Flow Monitoring
  - /UIforward
    - TEFG Molded Polyethylene Flow Indicator/Transmitter
    - PPG Molded Polypropylene Flow Indicator/Transmitter

Valves
- Pressure Indication
  - DA Pressure Switch
  - EDA Indicating Pressure Switch and Transmitter

Flow Proving
- Flow Switches
  - V4 Vane Operated Flow Switch

Level Monitoring
- Level Transmitters
  - ULT Ultrasonic Level Transmitter

Pump Control Applications
- Flow Proving
  - Flow Proving
    - PUX Portable Transit Time Ultrasonic Flowmeter
    - UXF1 Fixed Transit Time Ultrasonic Flowmeter

Wastewater Process Applications
- Flow Monitoring
  - Flow Transmitters
    - PUX Portable Transit Time Ultrasonic Flowmeter
    - UXF1 Fixed Transit Time Ultrasonic Flowmeter
- Level Monitoring
  - PBLT2/PBLTX Hydrostatic Level Transmitter
  - PBLTX Hydrostatic Level Transmitter

WASTEWATER TREATMENT PLANT & PROCESS
PRODUCTS APPLIED FOR

LEVEL SWITCH LIFT STATION APPLICATION

Level Transmitter: Indicates level in the lift station at specific points.
- FPC-1200 Float Switch with adjustable level sensor.
- FSC - Cable Float Switch

Pump Controller: To turn on and off all submersible pumps according to the level in the lift station and give alarm output.
- MPCJr Duplex Alternating Pump Controller
- MPC Duplex Alternating Pump Controller with seal failure and over-temperature monitor.
- ULT Ultrasonic Level Transmitter
- CRF2 Capacitive Level Transmitter

Seal Failure / Leak Detection: Monitors the seal of submersible pumps to detect water leakage into the seal cavity.
- DLD Dual Leak Detection Relay
- LDT Dual Leak Detection and Over-Temperature Relay

Over-Temperature Detection: Monitors the stator temperature of the pump and turns off the pump if it over-heats.
- MTL7706/7787 Zener Barrier
- MTL5041/5045 Galvanic Isolator

Indicates level in the lift station at specific points.
- FPC-1200 Float Switch with adjustable level sensor.
- FSC - Cable Float Switch

PRODUCTS APPLIED FOR

LEVEL TRANSMITTER LIFT STATION APPLICATION

Level Transmission: Indicates level in the lift station with a transmitter output.
- FPC-1200 Float Switch

PRODUCTS APPLIED FOR

MINORITIES APPLIED FOR

DRAIN
**LEVEL SWITCH LIFT STATION APPLICATION**

**PRODUCTS APPLIED FOR**
- **Level Transmitter:** Indicates level in the lift station at specific points.
  - MPC: Capacitive Level Transmitter
  - MPC Jr.: Capacitive Level Transmitter
- **Pump Controller:** Turns on and off the pumps according to the level in the lift station and gives alarm outputs.
  - MPC: Duplex Alternating Pump Controller
  - MPC Jr.: Duplex Alternating Pump Controller
- **Seal Failure / Leak Detection:** Monitors the seal of submersible pumps to detect water leakage into the seal cavity.
- **Over-Temperature Detection:** Monitors the temperature of the lift station and gives alarm outputs.
- **Capacitive Level Transmitter:** Indicates level in the lift station with a transmitter output.
- **Hydrostatic Level Transmitter:** Measures the level in the lift station.
  - PBLT2: Hydrostatic Level Transmitter
  - PBLTX: Hydrostatic Level Transmitter
- **Ultrasonic Level Transmitter:** Measures the level in the lift station with a transmitter output.
  - ULT: Ultrasonic Level Transmitter
  - UT: Ultrasonic Level Transmitter
- **Galvanic Isolator:** For electric isolation of the level transmitter.
  - MTL5041/5045: Galvanic Isolator

**LEVEL TRANSMITTER LIFT STATION APPLICATION**

**PRODUCTS APPLIED FOR**
- **Level Transmission:** Indicates level in the lift station with a transmitter output.
  - PTC-PTM: Capacitive Level Transmitter
  - MPC: Capacitive Level Transmitter
  - MPC Jr.: Capacitive Level Transmitter
- **Seal Failure / Leak Detection:** Monitors the seal of submersible pumps to detect water leakage into the seal cavity.
  - LDT: Dual Leak Detection and Over-Temperature Relay
  - DLD: Dual Leak Detection Relay
  - SLD: Single Leak Detection Relay
- **Over-Temperature Detection:** Monitors the temperature of the lift station and gives alarm outputs.
  - LDT: Dual Leak Detection and Over-Temperature Relay
  - DLD: Dual Leak Detection Relay
  - SLD: Single Leak Detection Relay
  - LDT: Dual Leak Detection and Over-Temperature Relay
  - MTL5041/5045: Galvanic Isolator
- **Control Relays:** For control purposes and for electric isolation of the level transmitter.
  - MRLS: Control Relay
  - MRL: Control Relay
- **Submersible Level Transmitter:** Measures the level in the lift station.
  - PBLT2: Submersible Level Transmitter
  - PBLTX: Submersible Level Transmitter
- **Capacitive Level Transmitter:** Measures the level in the lift station with a transmitter output.
  - PBLT2: Capacitive Level Transmitter
  - PBLTX: Capacitive Level Transmitter
- **MPC: Capacitive Level Transmitter**
- **MPC Jr.: Capacitive Level Transmitter**
LEVEL SWITCH LIFT STATION APPLICATION

PRODUCTS APPLIED FOR

Over-Temperature Detection:
- Seals Failure / Leak Detection:
- Pump Controller:

Indicates level in the lift station at specific points.
- Monitor the seal of submersible pumps to detect water leakage into the seal cavity.
- Monitors the stator temperature of the pump and turns off the pump if it over heats.
- Provides intrinsically safe isolation for level transmitters.
- Monitors the level in the lift station with a transmitter output.
- Indicates level in the lift station and gives alarm outputs.
- Pump controller switches according to the level in the lift station and gives alarm outputs.
- LDT Dual Leak Detection and Over-Temperature Relay
- DLD Dual Leak Detection Relay
- SLD Single Leak Detection Relay
- LDT Dual Leak Detection and Over-Temperature Relay
- MPC JR Duplex Alternating Pump Controller with seal failure and over-temperature monitor.
- MTL7706/7787 Zener Barrier
- MTL5041/5045 Galvanic Isolator
- FPC-1200 Duplex Alternating Pump Controller with seal failure and over-temperature monitor.
- FSW: Cable Float Switch
- CFS: Cable Float Switch with counter-weight to adjust pump

LEVEL TRANSMITTER LIFT STATION APPLICATION

PRODUCTS APPLIED FOR

Level Transmitter:
- Capacitive Level Transmitter
- Submersible Level Transmitter
- Hydrostatic Level Transmitter
- Intrinsically Safe Barriers
- MTL7706/7787 Zener Barrier
- MTL5041/5045 Galvanic Isolator
- FPC-1200 Duplex Alternating Pump Controller with seal failure and over-temperature monitor.
- FSW: Cable Float Switch
- CFS: Cable Float Switch with counter-weight to adjust pump

LIFT STATION APPLICATION

PRODUCTS APPLIED FOR

Series QPC
- Quadraplex Alternating Pump Controller
- Simplex Pump Controller
**WASTEWATER SYSTEMS**

**Instrumentation**

**Pressure**
- Flow Proving
- Flow Switches
- Pressure Monitors
- Pressure Transmitters
- Pressure Switches

**Flow**
- Flow Monitors
- Flow Transmitters
- Sight Flow Indicators
- Ultrasonic Level Transmitters
- Variable Area Flowmeters
- Variable Area Sight Flow Indicators
- Variable Area Transmitters

**Level**
- Float Sensors
- Ultrasonic Level Transmitters
- Variable Area Sight Flow Indicators

**Valves**
- True Union PVC/CPVC Ball Valves
- True Union PVC/CPVC Spring Check Valve
- True Union PVC/CPVC Ball Check Valve
- PVC Flap Check Valve
- PVC/CPVC Butterfly Valve

**Chemical Treatment Applications**
- Pressure Monitoring
- Pressure Indication
- Molded PVDF Pressure Gage
- Molded Polypropylene Pressure Gage

**Pump Control Applications**
- Flow Proving
- Flow Switches
- Pressure Monitors
- Pressure Transmitters
- Pressure Switches

**Level Monitoring**
- Variable Area Sight Flow Indicators
- Ultrasonic Level Transmitters
- Variable Area Flowmeters

**Flow Monitoring**
- Sight Flow Indicators
- Ultrasonic Level Transmitters
- Variable Area Flowmeters
- Variable Area Polysulfone Flowmeters
- Variable Area Acrylic Flowmeters

**Flow Transmitters**
- Portable Transit Time Ultrasonic Flowmeters
- Fixed Transit Time Ultrasonic Flowmeters

**Level Transmitters**
- Ultrasonic Level Transmitters

**Valves**
- PVC/CPVC Flap Check Valve
- PVC/CPVC Butterfly Valve

**Pump Control Applications**
- Flow Proving
- Flow Switches
- Pressure Monitors
- Pressure Transmitters
- Pressure Switches

**Level Monitoring**
- Variable Area Sight Flow Indicators
- Ultrasonic Level Transmitters
- Variable Area Flowmeters

**Flow Monitoring**
- Sight Flow Indicators
- Ultrasonic Level Transmitters
- Variable Area Flowmeters
- Variable Area Polysulfone Flowmeters
- Variable Area Acrylic Flowmeters

**Valves**
- PVC/CPVC Flap Check Valve
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**Pump Control Applications**
- Flow Proving
- Flow Switches
- Pressure Monitors
- Pressure Transmitters
- Pressure Switches

**Level Monitoring**
- Variable Area Sight Flow Indicators
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**Flow Monitoring**
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**Valves**
- PVC/CPVC Flap Check Valve
- PVC/CPVC Butterfly Valve