

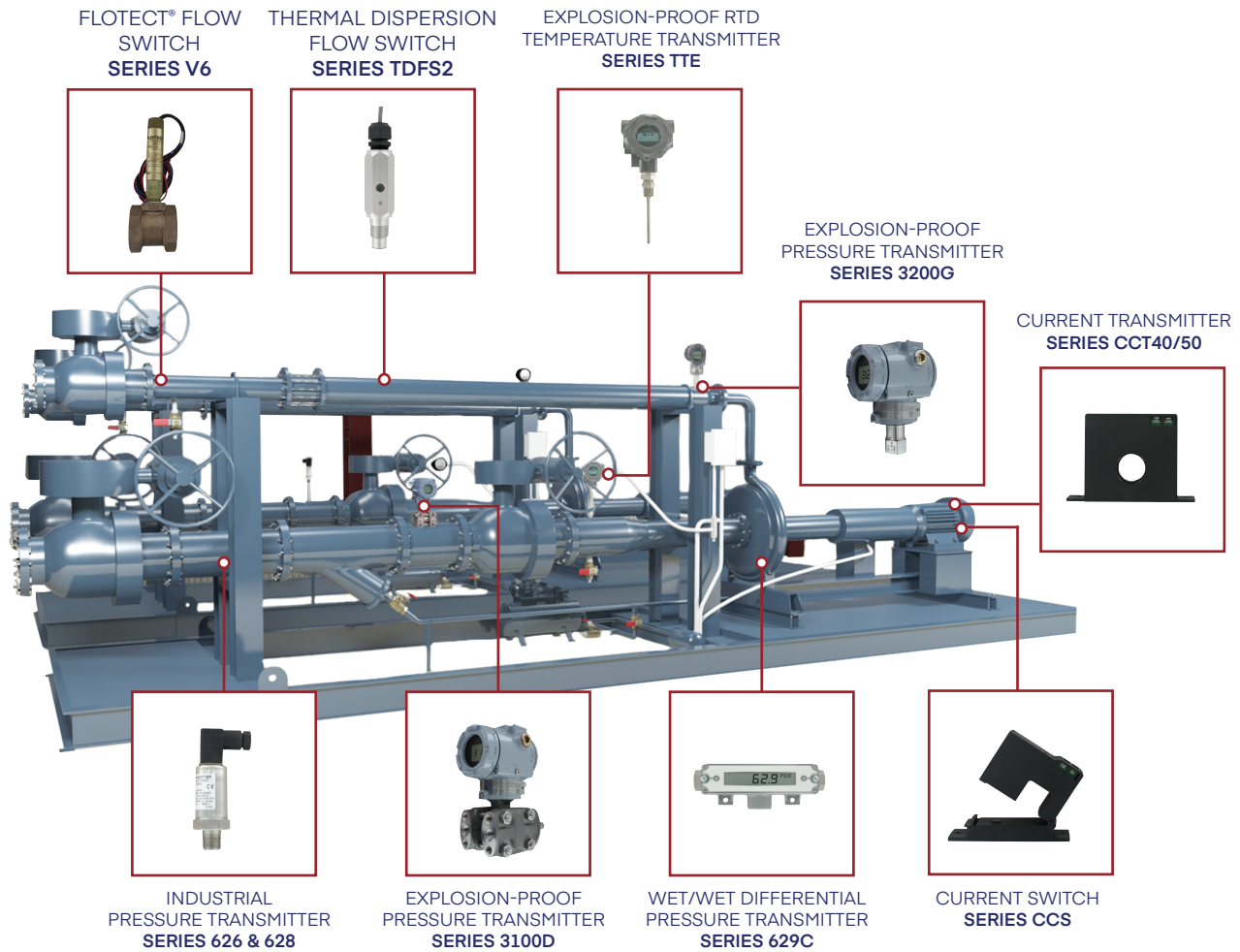


# WASTEWATER SYSTEMS

pressure | flow | level | valves

[dwyeromega.com](http://dwyeromega.com)

# PUMP SKID APPLICATION



## FLOW VERIFICATION PRODUCTS APPLIED FOR PUMP SKID

### PUMP CONTROL

Keeps system safe by protecting equipment in the event of pump failure



FLOTECT® MINI-SIZE  
FLOW SWITCH  
SERIES V6

Durable leak-proof body machined  
from bar stock



THERMAL DISPERSION  
FLOW SWITCH  
SERIES TDFS2

Non-mechanical construction offers  
a long operation life



WET/WET DIFFERENTIAL  
PRESSURE TRANSMITTER  
SERIES 629C

Simple zeroing provides  
easy install and calibration



CURRENT TRANSMITTER  
SERIES CCT40/50

Solid core or split core configura-  
tions



CURRENT SWITCH  
SERIES CCS

Integral mounting flange for quick  
installation

## PRODUCTS APPLIED FOR WATER TREATMENT PLANT & PROCESS APPLICATION

### WASTEWATER PROCESS - FLOW

Monitors the flow of wastewater as it passes through steps of the treatment process



INSERTION  
ELECTROMAGNETIC  
FLOW TRANSMITTER  
*SERIES IEF*

Water resistant unit  
withstands the elements



COMPACT  
ULTRASONIC  
FLOWMETER  
*SERIES UFM2*

Fits application require-  
ments with compact and  
lightweight design



ULTRASONIC  
FLOWMETER SET  
*SERIES UFB*

Sturdy IP65 rating,  
ensures protection from dust  
and direct water contact



COOLPOINT® VORTEX  
SHEDDING FLOWMETER  
*SERIES CT8*

No zero-point shift,  
increasing  
application longevity



INSITE™ AIR/LIQUID  
IN-LINE FLOWMETER  
*SERIES IS*

Pressure drop only  
4 psi (0.27 bar) at  
full-scale flow



PORTABLE ULTRASONIC  
FLOWMETER KIT WITH DATA  
LOGGING CAPABILITY  
*SERIES PUF*

Capable of 20 hours of  
continuous operation with  
built-in, rechargeable battery

### WASTEWATER PROCESS - LEVEL

Monitors the level of wastewater within the purification process



SUBMERSIBLE LEVEL TRANSMITTER  
*SERIES FBLT*

Maintenance-free filter eliminates  
particulates or water droplets  
from entering the transducer



SUBMERSIBLE LEVEL TRANSMITTER  
*SERIES PBLT2/PBLTX*

316 SS diaphragm seal is  
non-clogging and damage resistant  
to floating solids

### WASTEWATER PROCESS - PRESSURE

Indicates filter condition to see when maintenance is required



WET/WET DIFFERENTIAL  
PRESSURE TRANSMITTER  
*SERIES DX*

Protected by rugged housing to  
ensure long product life

### ODOR CONTROL

Ventilation monitoring for scrubbers and degasifiers



MAGNEHELIC® DIFFERENTIAL  
PRESSURE GAGE

Easy-to-read gage through undistorted  
plastic face permits viewing from far away

### FLOW CONTROL

Regulates the flow of liquids through the system



2-PIECE NPT STAINLESS  
STEEL BALL VALVE  
*SERIES WE01*

Limit switches can be mounted to  
manual valves for remote monitoring



3-PIECE NPT STAINLESS STEEL  
BALL VALVE  
*SERIES WE02*

3-piece design for easy  
replacement of seals



2-PIECE FLANGED STAINLESS  
STEEL BALL VALVE  
*SERIES WE04*

Weatherproof or explosion-proof  
electric actuators



BUTTERFLY VALVE  
*SERIES WE20*

Extended neck for insulation -  
no fabricated extensions required



# WATER TREATMENT PLANT & PROCESS APPLICATION

INSERTION ELECTROMAGNETIC  
FLOW TRANSMITTER  
SERIES IEF



EXPLOSION-PROOF  
DIFFERENTIAL  
TRANSMITTER  
SERIES 3100



ULTRASONIC LEVEL  
TRANSMITTER  
CONTROLLERS  
MODEL ULSS,  
ULSM & ULSL



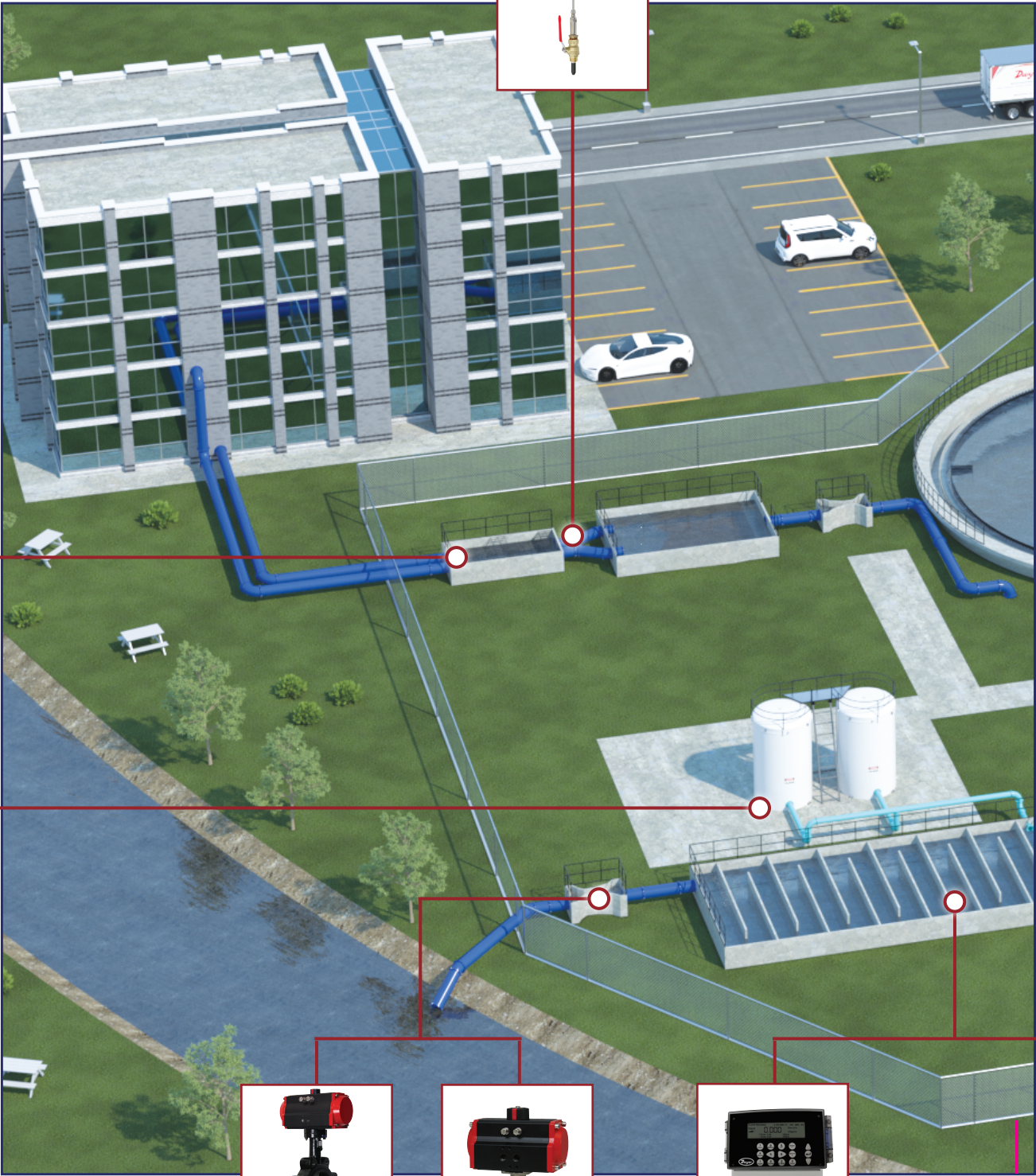
BUTTERFLY VALVE  
SERIES WE20



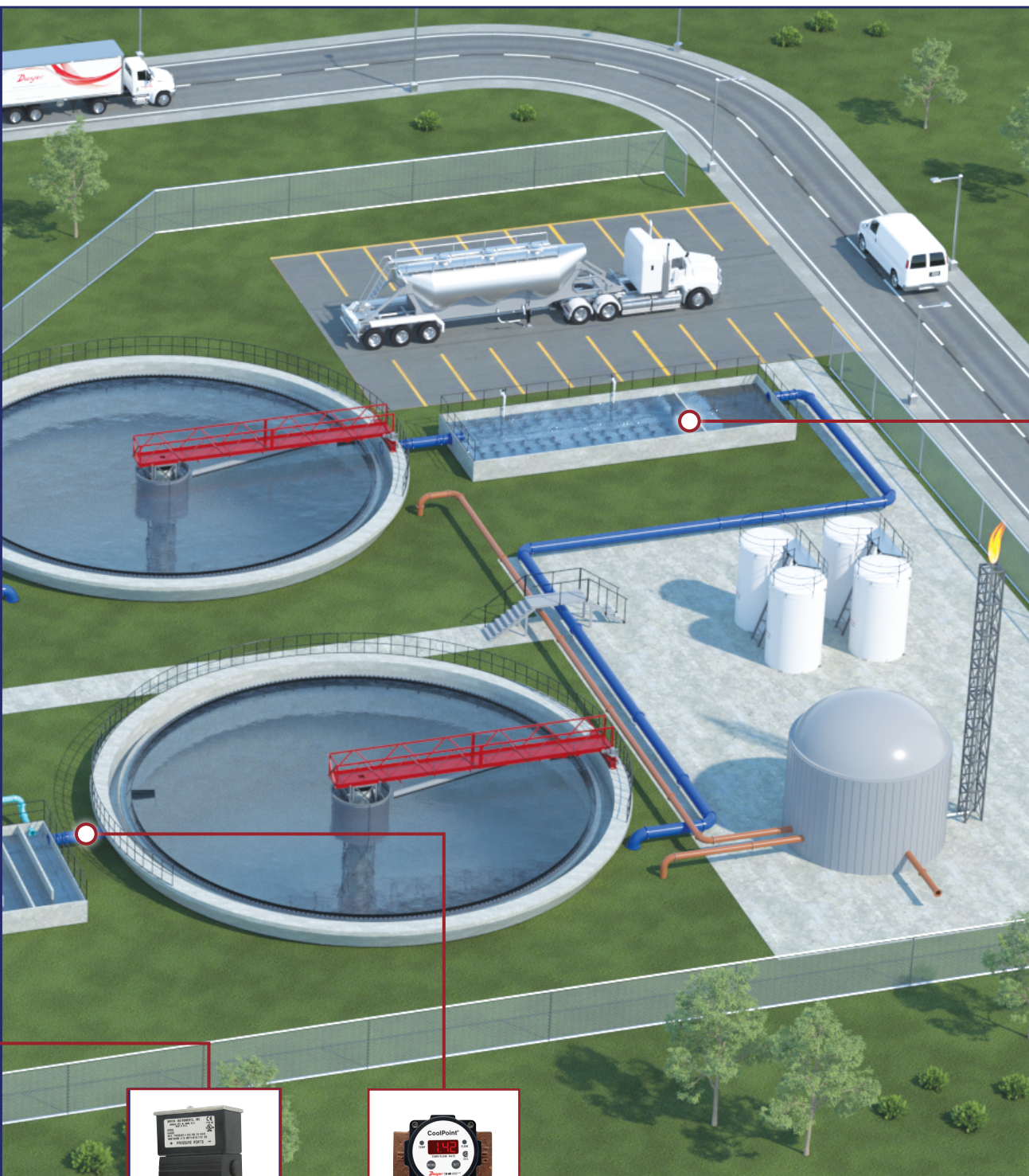
3-PIECE NPT  
STAINLESS STEEL BALL VALVE  
SERIES WE02



ULTRASONIC  
FLOWMETER SET  
SERIES UFB







2-PIECE FLANGED  
STAINLESS STEEL  
BALL VALVE  
SERIES WE04



WET/WET DIFFERENTIAL  
PRESSURE TRANSMITTER  
SERIES DX



COOLPOINT® VORTEX  
SHEDDING FLOWMETER  
SERIES CT8

## PRODUCTS APPLIED FOR WATER TREATMENT PLANT & PROCESS APPLICATION

### CHEMICAL TREATMENT

Monitors the level of liquids used in chemical treatment applications



**ULTRASONIC LEVEL TRANSMITTER**  
**SERIES ULT**  
Output range is adjustable with choices of inputting tank dimensions



**ULTRASONIC LEVEL TRANSMITTER CONTROLLERS**  
**SERIES ULSS, ULSM & ULSL**  
Full NEMA 6P submersible enclosure rating

Regulates and redirects the flow of liquids, gases, and steam in the system



**VALVE BLOCK MANIFOLD**  
**SERIES BBV-1/BBV-2**  
High pressure shut-off

### CHEMICAL TREATMENT

Monitors the flow of chemicals used to treat and disinfect wastewater



**RATE-MASTER® POLYCARBONATE FLOWMETER**  
**SERIES RM**  
Increased reading accuracy with special integral flow guides



**SOLENOID VALVES**  
**SERIES SN**  
Designed for double acting or spring return actuators



**VISI-FLOAT® ACRYLIC FLOWMETER**  
**SERIES VF**  
Increased reading accuracy with clear visibility of the float

### PUMP CONTROL

Provides proof of flow indication and starts standby pump should the main pump fail



**VANE OPERATED FLOW SWITCH**  
**SERIES V4**  
Superior performance with unique magnetically-actuated switching design

### BAR SCREEN

Measures pressure differential upstream and downstream of the screen



**EXPLOSION-PROOF DIFFERENTIAL PRESSURE TRANSMITTERS**  
**SERIES 3100**  
Range-ability and selectable engineering units

### WASTEWATER PROCESS

Indicates filter condition to see when maintenance is required



**INDICATING PRESSURE SWITCH & TRANSMITTER**  
**SERIES EDA**  
Replaces separate gages, two switches, and a transmitter in a system



**PRESSURE SWITCH**  
**SERIES DA**  
Visible calibrated dial provides an easy and fast check



**SINGLE PRESSURE TRANSMITTER**  
**SERIES 626/628**  
NEMA 4X rated enclosure provides protection in harsh environments



**EXPLOSION-PROOF PRESSURE TRANSMITTER**  
**SERIES 3200**  
Automatic sensor temperature compensation

### INTRINSICALLY SAFE BARRIERS

Provides intrinsically safe isolation for level transmitters approved for location in hazardous areas



**GALVANIC ISOLATOR**  
**SERIES MTL5541**  
Easy snap-in installation for most DIN rails



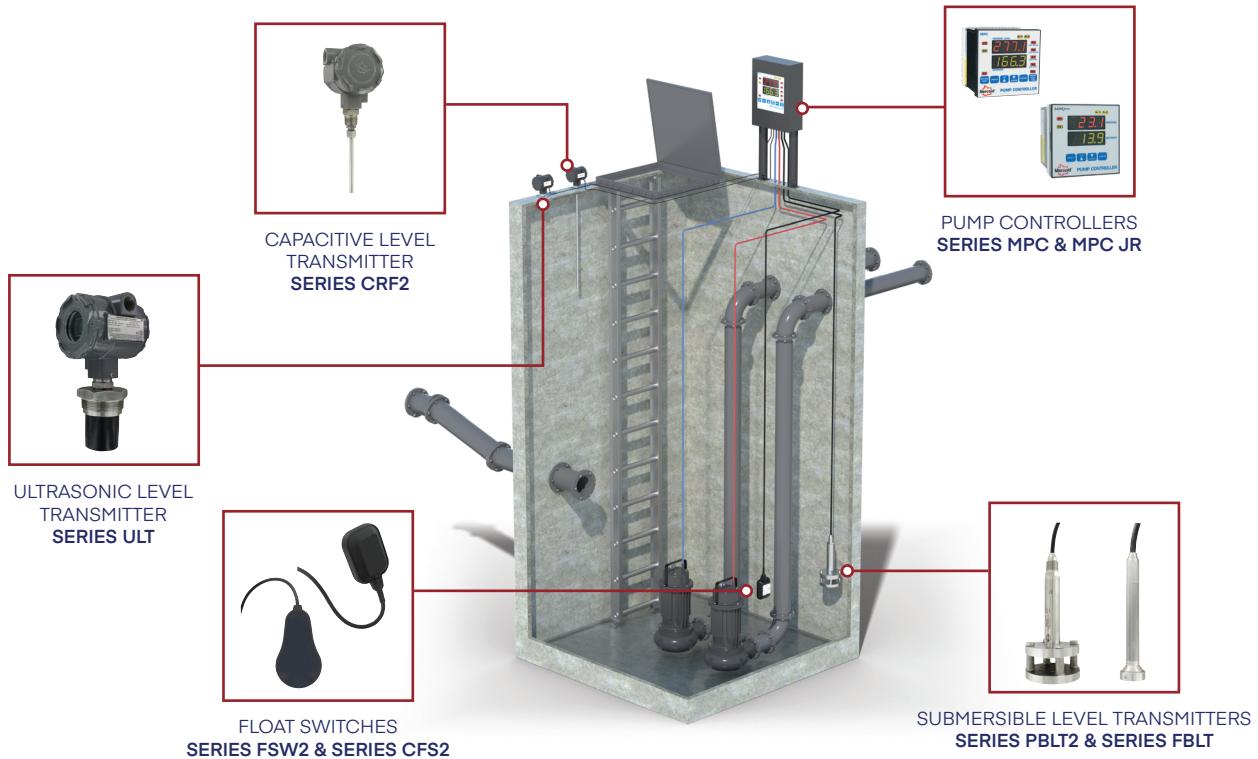
**ZENER BARRIER**  
**SERIES MTL7706/7787**  
Limits the amount of energy allowed to pass



**GALVANIC ISOLATOR**  
**SERIES KFD0**  
Loop-powered so no external power is required



# LIFT STATION APPLICATION



## LEVEL TRANSMITTER PRODUCTS APPLIED FOR LIFT STATION APPLICATION

### LEVEL SOLUTIONS

Indicates level in the lift station with a transmission output at specific point



**FLUSH TIP SUBMERSIBLE LEVEL TRANSMITTERS SERIES FBLT**  
Non-fouling diaphragm design that withstands the elements



**CAPACITIVE LEVEL TRANSMITTER SERIES CRF2**  
Excellent accuracy and stability with impulse RF admittance measurement



**CABLE FLOAT SWITCH SERIES CFS2**  
High reliability with mercury-free, magnetic, mechanical internal design



**SUBMERSIBLE LEVEL TRANSMITTER SERIES PBLT2/PBLTX**  
Non-fouling large diameter 316 SS diaphragm seal with integral protective cage



**ULTRASONIC LEVEL TRANSMITTER SERIES ULT**  
Non-contact technology offers no moving parts to wear, jam, corrode, or get coated



**FREE-FLOATING LEVEL SWITCH SERIES FSW2**  
Durable body allows substances to effortlessly glide off

### PUMP CONTROLLERS

Turns on and off the pumps according to the level in the lift station and gives level alarm outputs



**PUMP CONTROLLER SERIES MPC**  
Retransmission of 4-20 mA



**JUNIOR PUMP CONTROLLER SERIES MPCJR**  
User selectable security lock-out of programming and/or set points



**DUAL LINE CONFIGURABLE PANEL METER SERIES MPM**  
Rate displayed as units per second, minute, hour, or day



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