



truflo®

Built Industry Tough



## A New Vision For Quality Product

Truflo is proud to work with an outstanding network of professional distributors around the world to market our Industrial **FLOW + PRESSURE** products.

## FLOW + PRESSURE INSTRUMENTATION PRODUCT CATALOG





## COMPANY PROFILE

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Truflo is a global market leader that specializes in Thermoplastic Liquid Flow, and Pressure technologies and measurement.

Truflo products are designed to be different from the rest; products that are truly innovative, offering unique features and benefits, they are engineered to work seamlessly in some of the toughest industrial process applications.

All products are made from corrosion resistant thermo plastics, they are built tough and designed to work where the competition fails.

Our markets include Municipal and Industrial Water & Waste-Water Treatment, Bulk Chemicals, Steel Processing, Metal Finishing, Chemical Dosing Skids, Food & Beverage.





































Truflo aspires to be your Number one choice for all your **Flow** and **Pressure** process Applications

Truflo...Innovative Products that are 'Built Tough' and 'Engineered to Outperform!'





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## TKS/TKP/TKM Series

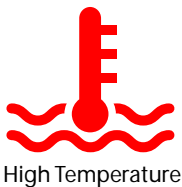
### PVC + PP Paddle Wheel Flow Meter



- High Accuracy  $\pm 1.0\%$  of Full Scale Unit of
- Flow Measurement is Selectable (Liter/Gallon/Kilo-liter)
- Corrosion Resistant Materials PVC/PP
- Low Cost Visual Indication
- Easy Installation – No Mounting Kits
- High Flow Range (.3m/s - 10m/s) (.98 ft/s - 32.8 ft/s)
- No K Factor Programming
- Compact Design
- Large Bright LED Digital Display
- Horizontal or Vertical Installation
- Size Range 1/2" – 4"
- Low Pressure Drop
- (4-20 mA) + (Pulse)-Output Signal NEMA 4X Enclosure
- Suitable for Corrosive Environments Password
- Password Protected Security
- True - Union Design 1/2" - 2" (Flanged 3" - 4")
- M12 Quick Disconnect (15ft Cable Included)

## TK3 316 SS Flow Meter

### PVC + PP Paddle Wheel Flow Meter



- High Accuracy Less than  $\pm 1.0\%$  of Full Scale
- Unit of Flow Measurement is Selectable (Liter/Gallon/Kilo-liter)
- Corrosion Resistant Materials PVC/PP/316SS
- Low Cost Visual Indication
- Easy Installation – No Mounting Kits
- High Flow Range (.3m/s - 10m/s) (.98 ft/s - 32.8 ft/s)
- No K Factor Programming
- Compact Design
- Large Bright LED Digital Display
- Horizontal or Vertical Installation
- Size Range 1/2" – 2"
- Low Pressure Drop
- (4-20 mA) + (Pulse)-Output Signal NEMA 4X Enclosure
- Suitable for Corrosive Environments Password
- Password Protected Security
- NPT Connection 1/2" - 2"
- M12 Quick Disconnect (15ft Cable Included)

## TKW FLOW METER

### Paddle Wheel Flow Meter-Blind Display



#### No Programming Required

- Visual LED Flow Indicator
- SDR11 PP Butt Weld or NPT Thread, CPVC Ends
- High Accuracy Less than  $\pm 1.0\%$  of Full Scale
- NPN Pulse+ 4-20mA Output
- Corrosion Resistant Materials PVC/PP/316SS
- Low Cost Visual Indication
- Easy Installation-No Mounting Kits
- Compact Design
- Horizontal or Vertical Installation
- Size Range 1/2" - 4" (PVC, PP)
- Low Pressure Drop
- NEMA 4X Enclosure
- Suitable for Corrosive Environments
- True- Union Design 1/2" - 2" (Flanged 3" - 4")
- Light Weight



**LSS FLOW METER**

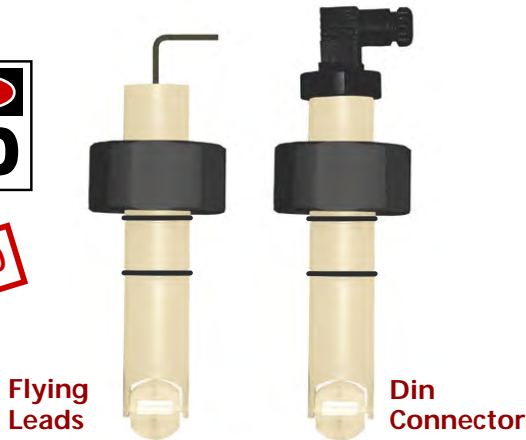
**Plastic Paddle Wheel Flow Meter**



- Large Display Changes from **Green** to **Red** When in Alarm State
- Accuracy  $\pm$  0.75% Of Full Scale
- Pipe Size (1/2 -24 Inch)
- Flow Rate + Totalizer (Resettable)
- Flow Velocity Range (0.33 to 26 Ft/S) (0.1 To 8 M/S)
- Eprom Memory-Totalizer Value Will Not Be Lost
- Nema 4X (IP66) Protection
- Bright LED Display Flow Units-- Litre, USGPM, M3, Ton
- Dual Output Relays
- 4-20mA + Two (7) Amp Relays Output (Standard)
- Heavy Duty Industrial Design
- Corrosion Resistant All Plastic Wetted Parts-PVDF/PP Body- Zirconium Ceramic Shaft-PFA Teflon Paddle
- Simple Installation

**LS FLOW METER**

**Plastic Paddle Wheel Flow Transmitter**



- Industry's Highest Accuracy-0.75%
- Excellent Chemical Resistance, PP/PFDF, PFA, Ceramic
- Size Range 1/2" - 24"
- Measuring Flow Range (0.33 Ft/Sec To 26 Ft/Sec)
- Easy To Install
- Excellent For Low Or High Temperatures -20 To 90°C (-4 To 194°F)
- NEMA 4X (IP65) Or NEMA 6 (IP68) Rating
- Extra Long Lasting PFA Paddle Assembly (Zirconium Ceramic Shaft & Bearings-Standard)
- Double FPM O-Ring Seal
- High Pressure Rating (Up To 200 Psi)
- Frequency Output -18.5Hz /Ft/Sec
- NPN Pulse Output

**Clamp Saddles & Tees**

**LSS + LS Insertion Fittings**



Truflo offers to the Flow market the most Complete range in clamp saddles, up to 16"

**Technical Information**

1. Truflo Clamp Saddles can be used with PE, PP, PVDF PVC Pipe
2. The Use of teflon tape is advised.

**Materials**

1. PPGF. - Polypro Glass Filled
2. O-ring
3. 316 SSt
4. Reinforced Outlet 316 SSt



## 2 Vu PLASTIC GAUGE

### All Plastic Panel Mount Gauge + Isolator



Double Sided

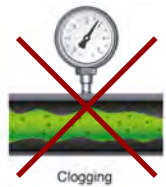


NPT Connection

- Industry's First All Plastic Double Sided Gauge
- Heavy Duty Rugged Design; Simple to Install
- Completely Corrosion Resistant
- Designed to Act as Visual Pressure Alert
- Extra Large Colored Display
- Reduces Pressure Surges caused by Water Hammer or Metering Pump Pulsations
- Highest Accuracy in Industry 1.5%
- Factory Prefilled-Glycerin or Silicone (OPT)
- No Filling Required
- One-Piece Molded Design (No Assembly)
- Suitable for Corrosive Media + Slurries

## OBS Series

### All Plastic Panel Mount Gauge + Isolator



NPT Connection

- All Plastic (Gauge + Isolator) Filled
- Heavy Duty Design; Simple to Install Completely
- Corrosion Resistant
- Designed to Act as Visual Pressure Alert
- Extra Large Color Display
- Reduces Pressure Surges caused by Water Hammer or Metering Pump Pulsations
- Pressure Range Markers (RED-Yellow-Green)
- Highest Accuracy in Industry 1.5% Factory Pre-Filled Glycerin or Silicone (OPT)
- One-Piece Molded Design (No Assembly) Suitable for Corrosive Media + Slurries

## PGS PULSATION + GAUGE

### Plastic Gauge + Pulsation Isolator



Heavy Duty Convuluted Designed Bladder Diaphragm provides Pulse/Serge Dampening Protection

Self-Flushing Full Port Dampening Chamber

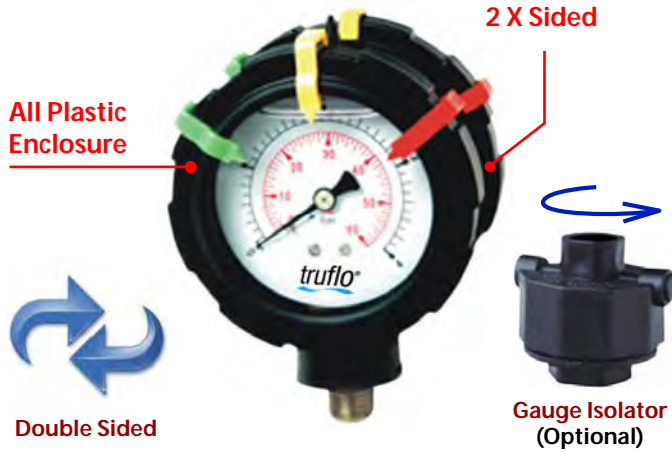


- All Plastic Plastic (Gauge + Isolator) Filled
- Heavy Duty Design; Simple to Install
- Completely Corrosion Resistant
- Red Markers Designed to Indicate Optimum Operating Range
- Extra Large Color Display
- Reduces Pressure Surges caused by Water Hammer or Metering Pump Pulsations
- Highest Accuracy "In the" Industry 1.5%
- Factory Prefilled-Glycerin or Silicone (OPT)
- No Filling Required
- One-Piece Molded Design (No Assembly)
- Suitable for Corrosive Media + Slurries



## OBS-DGO-PLASTIC GAUGE

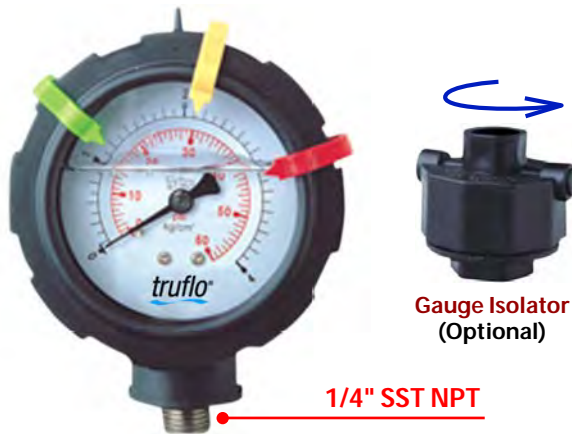
### Plastic Double Sided Gauge 1/4" SST NPT



- Double Sided
- Fit & Forget
- Suitable for Corrosive Environments
- All Plastic PP-Viton , PVDF-Teflon
- Heavy Duty Design
- Completely Corrosion Resistant
- Simple to Install
- Perfect Mate for Plastic Isolators
- 316 SST NPT Connection
- High Impact Case

## OBS-GO PLASTIC GAUGE

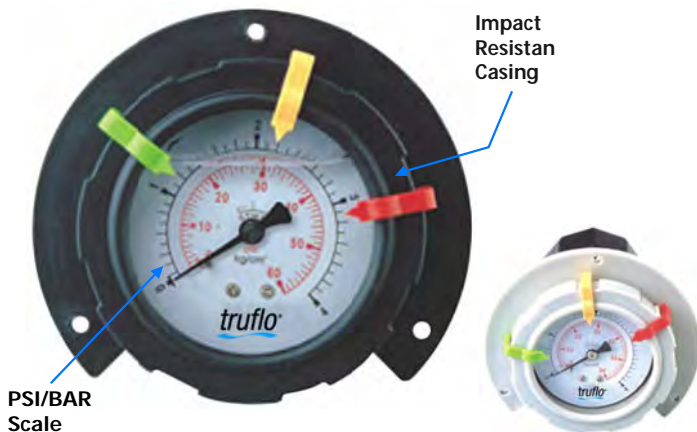
### All Plastic Gauge Only-1/4" SST NPT



- Fit & Forget
- Suitable for Corrosive Environments
- All Plastic & Gauge (Filled)
- Heavy Duty Design
- Completely Corrosion Resistant
- Extra Large Colored Display Highest
- Accuracy in Industry 0.75% Factory
- Pre-Filled Glycerin
- No Filling Required
- Visual Pressure Range Tabs
- Simple to Install
- Perfect Mate for Plastic Isolators

## OBS-A PANEL MOUNT

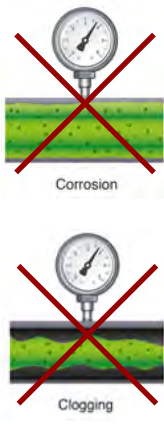
### All Plastic Center Mount Gauge + Isolator



- Psi + kPa Scale
- All Plastic (Gauge + Isolator) Filled
- Heavy Duty Design; Simple to Install
- Completely Corrosion Resistant
- Designed to Act as Visual Pressure Alert for Bag/Filter Change-Out
- Extra Large Color Display
- Reduces Pressure Surges caused by Water Hammer or Metering Pump Pulsations
- Highest Accuracy in Industry 1.5% Factory
- Pre-Filled Glycerin or Silicone (OPT) No Filling Required
- One-Piece Molded Design (No Assembly)
- Suitable for Corrosive Media + Slurries

## OBS-B CENTER MOUNT

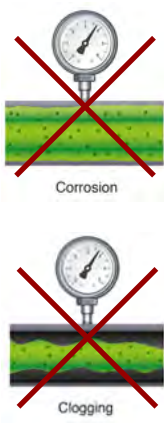
### All Plastic Panel Mount Gauge + Isolator



- All Plastic (Gauge + Isolator)
- Heavy Duty Design; Simple to Install
- Completely Corrosion Resistant
- Designed to Act as Visual Pressure Alert for Bag/Filter Change-Out
- Extra Large Color Display
- Reduces Pressure Surges caused by Water Hammer or Metering Pump Pulsations
- Highest Accuracy in Industry 1.5% Factory
- Pre-Filled Glycerin or Silicone (OPT) No Filling Required
- One-Piece Molded Design (No Assembly)
- Suitable for Corrosive Media + Slurries

## OBS-C CENTER MOUNT

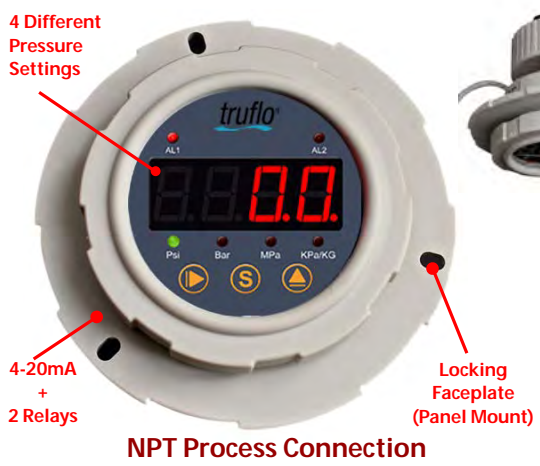
### All Plastic Center Mount Gauge + Isolator



- Digital LED Display Gauge + Isolator
- All Plastic (Gauge + Isolator) Center Mount
- No Filling Required
- Heavy Duty Design; Simple to Install
- Completely Corrosion Resistant
- Designed to Act as Visual Pressure Alert for Bag/Filter Change-Out
- Extra Large LED Display
- Reduces Small Pressure Surges caused by Water Hammer or Metering Pump Pulsations
- Highest Accuracy in Industry  $\pm 1\%$
- One-Piece Molded Design (No Assembly)
- Suitable for Corrosive Media + Slurries
- No Programming Required
- PTFE Diaphragm - Standard PP and PVDF
- 6 FT of Cable
- No Assembly Required - Fit & Forget

## OBSP LED GAUGE

### All Plastic Gauge + Isolator - Panel Mount

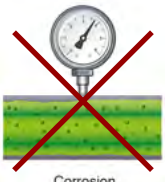


- All Plastic (Gauge + Isolator)
- No Filling Required
- Heavy Duty Design; Simple to Install
- Completely Corrosion Resistant
- Designed to Act as Visual Pressure Alert for Bag/Filter Change-Out
- Extra Large LED Display
- Reduces Small Pressure Surges caused by Water Hammer or Metering Pump Pulsations
- Highest Accuracy in Industry  $\pm 1\%$
- One-Piece Molded Design (No Assembly)
- Suitable for Corrosive Media + Slurries
- No Programming Required
- PTFE Diaphragm - Standard PP and PVDF
- 6 FT of Cable Standard
- Comes Pre Assembled



## OBS-ED SERIES LED DIGITAL

### All Plastic Gauge + Isolator LED Display



Corrosion



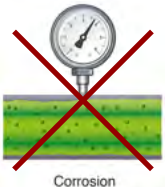
Clogging



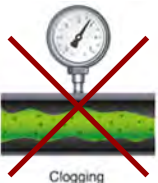
- All Plastic (Gauge + Isolator)
- No Filling Required
- Heavy Duty Design; Simple to Install
- Completely Corrosion Resistant
- Designed to Act as Visual Pressure Alert for Bag/Filter Change-Out
- Extra Large LED Display
- Reduces Small Pressure Surges caused by Water Hammer or Metering Pump Pulsations
- Highest Accuracy in Industry 1%
- One-Piece Molded Design (No Assembly)
- Suitable for Corrosive Media + Slurries
- No Programming Required
- PTFE Diaphragm - Standard
- 6 FT of Cable

## OBS-CD BATTERY GAUGE

### Battery Operated All Plastic Gauge + Isolator



Corrosion



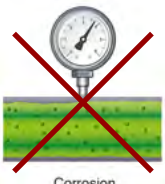
Clogging



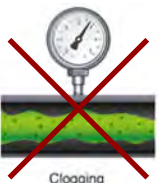
- All Plastic (Gauge + Isolator)
- No Filling Required
- Heavy Duty Design; Simple to Install
- Completely Corrosion Resistant
- Designed to Act as Visual Pressure Alert for Bag/Filter Change-Out
- Extra Large LCD Display
- Reduces Small Pressure Surges caused by Water Hammer or Metering Pump Pulsations
- Highest Accuracy in Industry  $\pm 1\%$
- One-Piece Molded Design (No Assembly)
- Suitable for Corrosive Media + Slurries
- No Programming Required
- PTFE Diaphragm - Standard
- Replaceable Lithium Battery
- Long Life (3 Years)

## OBS-R 360 ROTATOR

### All Plastic Panel Mount Gauge + Isolator



Corrosion



Clogging



Head Moves 360 Degrees

- 360 Degree Full Rotation
- Filled Heavy Duty Design; Simple to Install
- Completely Corrosion Resistant
- Pressure Range Tabs **Red - Yellow - Green**
- Extra Large Colored Display
- Reduces Pressure Surges caused by Water Hammer or Metering Pump Pulsations
- Highest Accuracy in Industry 1.5% Factory
- Pre-Filled Glycerin-No Filling Required
- One-Piece Molded Design (No Assembly)
- Suitable for Corrosive Media + Slurries

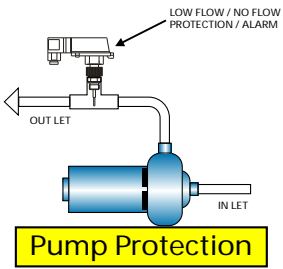
## GI GAUGE ISOLATOR



## All Plastic Flow Switch

- PP -Viton, PVDF -Teflon
- Excellent Chemical Resistance,
- Size Range 1/2" Process x 1/4" Gauge
- Easy to Install
- -25 To 90°C (-4 to 194°F)
- Excellent Mechanical Properties
- High Pressure Rating (Up To 200 Psi)
- High Wear Resistance
- Heavy Duty Design
- Vacuum Port ( Standard)
- Excellent Gauge Protection

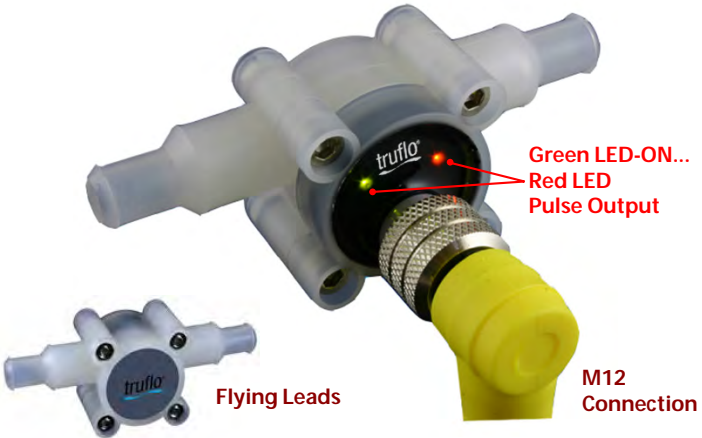
## FES FLOW SWITCH



## Heavy Duty PP Plastic Flow Switch

- All Plastic Construction
- In-Line Design - Insertion Style
- Nema 4X Enclosure
- Corrosion Resistant PP Body + Paddle
- 1/2" - 12" Pipe - Tee or Saddle
- Heavy Duty Rugged Design
- Low Pressure Drop
- Easy to Install
- Can be Easily Changed from Normally Open to Normally Closed

## ProPulse TURBINE FLOW



## All Plastic Mini Turbine Flow Meter

- Universal Body 5 Different Flow Ranges - (Flow Jets Are Field Replaceable)
- Excellent Chemical Resistance
- All Plastic PVDF Body, Rotor, Sapphire Bearings
- Ultra Low Flow Ranges from 50 ml/min (.013 GPM)
- Pressure Rating 10 bar (150 psi)
- Compact - Light weight
- Temperature Rating -40 -120°C (-40 -248°F)
- Barbed Hose intal/Outlet connection 5/16 and 1/2 inch. 8mm, 12mm, or 3/8" Pipe Connecton
- High Accuracy & Repeatability
- NPN Pulse Output

## OBS-Differential Pressure

### All Plastic Panel Mount Gauge + Isolator



- All Plastic Heavy Duty Design
- Simple to Install
- Completely Corrosion Resistant
- Designed to Act as Visual Pressure Alert
- Extra Large Color Display
- Pressure Range Markers (Red - Yellow - Green)
- Highest Accuracy in Industry 1.5% Factory Pre-
- No Filling Required
- One-Piece Molded Design (No Assembly)
- Suitable for Corrosive Media + Slurries (Use with GI Gauge Isolators)

## Delta-P DIFFERENTIAL

### Digital Pressure Differential Gauge + Relay



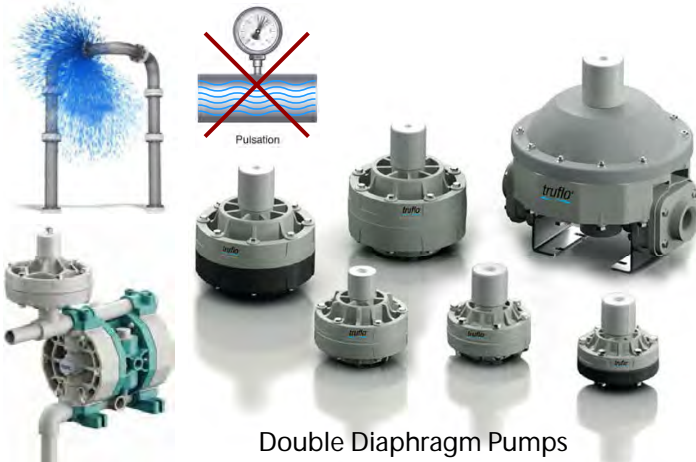
Alarm Notification

GI Isolators Recommended for Chemical Service

- All Plastic Design - Glass Filled Ryton
- Corrosion Resistant Housing
- NEMA 4X Rugged Enclosure
- Liquid Crystal Display
- Pressure Range 0-225 PSI
- Easy to Program Relay Set-Point
- Psi or Bar
- Small Footprint -Compact-Only 2" Diameter
- Easy to Install
- Eprom Memory -Does Not Required Reprogramming if Power Lost
- Low Power Detection Feature
- Actual Pressure Difference Displayed on Screen
- Manual Operation if Required
- Programmable Relay Time Intervals between

## Pulsepro® Series

### Pulsation Dampener + Surge Suppressor



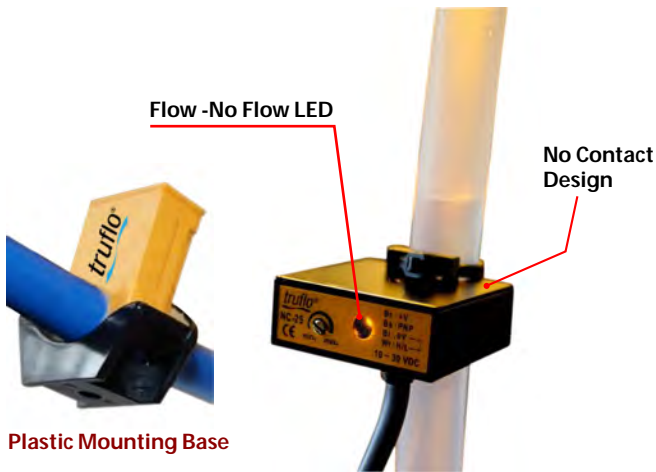
Double Diaphragm Pumps

- All Plastic design GFPP, CFPVDF, PTFE
- Easy to install-Plug and Play
- No Pre-Charging Required
- Light Weight
- Corrosion Resistant Inside/Outside
- Long Lasting Heavy Duty Diaphragm
- Self-Adapting Technology-Constantly reacting to hydraulic demands
- Reduce damaging effects of water hammer
- Small footprint
- In Line Design
- Easy to Size-No Preloading Required
- Self-Adapting-up to 90% + Reduction in Pressure Spikes
- Suitable for Viscous Liquids
- Reduces Vibration-Longer Lasting Fittings, Valves, Sensors
- Provides constant output-required for flow meters, pressure gauges, etc



## NC-25 FLOW/LEVEL

### Non - Contact Plastic Flow/Level Switch



- Wide Range of Tubing Diameters - 1/4" to 1/2"
- Flow - No Flow- Capacitance Technology
- Non - Intrusive-
- Mounting Bracket Option
- All Plastic Design
- Simple to Install
- Tube Thickness - Heavy Walled 0.062"
- Light Weight
- Very Accurate- Sensitivity Adjustment
- Perfect for Dosing or Metering Pumps

## NCC-15 FLOW/LEVEL

### Non - Contact Plastic Flow/Level Switch



- Wide Range of Tubing Diameters - 1/4" to 1/2"
- Flow - No Flow-Photoelectric Technology
- Non - Intrusive-Solid Color Tubing
- Mounting Bracket Option
- All Plastic Design
- Simple to Install
- Tube Thickness - Heavy Walled 0.062"
- Light Weight
- Very Accurate- Sensitivity Adjustment
- Perfect for Dosing or Metering Pumps

## PM Mag Flow Meter

### PM Series Magnetic Flow Meter



- Heavy Duty Design-No Moving Parts
- Sizes 1/2", 3/4" 1"
- From 0.25 to 250 L/min (.6-66 GPM)
- Pulse Output, Calibrated Range
- Stainless Steel 316 L Electrodes
- No Programming
- Lightweight-Corrosion Resistant
- High Flow Capacity

## UltraFlo1000 Series

Pulsating, Dosing Flow



### PFA Plastic - All Teflon Ultrasonic Flow Meter

- Industry's Toughest All Plastic Ultrasonic Flow Meter
- Flared Tubing Ends
- Heavy Duty Design; Simple to Install
- Completely Corrosion Resistant
- RS-485 Output, 4-20mA
- Blind Display-Light Weight
- 4-20mA Output + Pulse Relay
- Fit & Forget
- IP67 Enclosure
- Negligible Pressure Drop
- Empty Pipe Alarm

## UltraFlo4000 Series

Pulsating, Dosing Flow



### All Plastic Ultrasonic Flow Meter

- No Mouing Parts
- Industry's Toughest All Plastic Ultrasonic Flow Meter
- PVC-CPVC True Union Ends (Option)
- Heavy Duty Design; Simple to Install
- Completely Corrosion Resistant
- RS-485 Output, 4-20mA
- Display Flow Rate + Totalizer
- 4-20mA Output + Pulse Relay
- Fit & Forget
- IP67 Enclosure
- Negligible Pressure Drop
- Empty Pipe Alarm
- Polysulfon, PE, PVDF, PFA

## UltraFlo5000 Series

Pulsating, Dosing Flow



### PVDF-PE Ultrasonic Flow Meter

- Industry's Toughest All Plastic Ultrasonic Flow Meter
- All Plastic Design
- Heavy Duty Design; Simple to Install
- Completely Corrosion Resistant
- RS-485 Output, 4-20mA
- Display Flow Rate + Totalizer
- 4-20mA Output + Pulse Relay
- Fit & Forget
- IP67 Enclosure
- Negligible Pressure Drop
- Empty Pipe Alarm

## LD LEAK DETECTION

### Plastic Leak Detection Flow Switch



- Floor Design
- Capacitive, Fail-Safe Design Perfect for Aggressive Chemicals
- Completely Corrosion Resistant
- Containment Dikes
- Double Wall Tanks
- Leakage Basins -Dosing Skids
- Computer Rooms
- Leaking Pumps

## UFS FLOW SWITCH

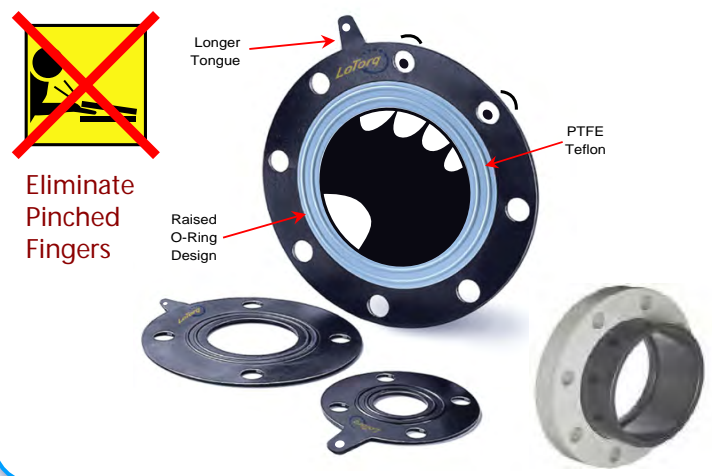
### All Plastic Flow Switch



- RYTON
- Excellent Chemical Resistance,
- Size Range 1/2" - 16"
- Easy to Install
- Excellent for Low Or High Temperatures
- -25 To 90°C (-4 to 194°F)
- Excellent Mechanical Properties
- High Pressure Rating (Up To 200 Psi)
- High Wear Resistance
- Heavy Duty Design
- No Power Required
- Excellent Pump Protection

## Lotorg LT GASKETS

### ANSI 150 lb Full Face Flange Gaskets



- Industry's Only Full Port Double O-Ring Design for 1/2-12" Sch 40 and Sch 80 PVC, CPVC Piping Systems
- Reduces Pressure Drop
- Less Turbulence = Longer Lasting
- Low Flange Bolt Torques Required for Positive Seal - Due to the Molded Raised Face - Patented double convex Ring Design
- Ideal for Thermoplastic Piping Systems, also Metal or Plastic Lined Metal Pipe Systems for up to 250 psi
- Excellent Chemical Resistance - PTFE-bonded gaskets are Suitable for Extremely Aggressive Chemical Services.
- Longer Gasket Life - Because Lower Flange Pressures are Required for Sealing. PTFE is Energized by EPDM Backing Forming an Excellent Seal.
- Low Torque - Raised O-Ring Design
- Designed to Provide Positive Seal
- No Over-Tightening Required
- Reusable



## LFS PP SPRAY SHIELDS

### All Plastic Flange Spray Shield



- PP Solid 2-Piece construction
- Completely Corrosion Resistant- Inside and Out
- Lightweight -Perfect for Plastic Piping Systems
- Readily Reusable
- Plug & Play-Not Tools Required
- No Down Time
- Clean Look ...All Yellow in Color
- Resists Chemical Attack
- Quick installation-Under 2 mins
- 360 Directional Discharge Port

## VDC POWER SUPPLY

### 120V AC - 24V DC Power Supply



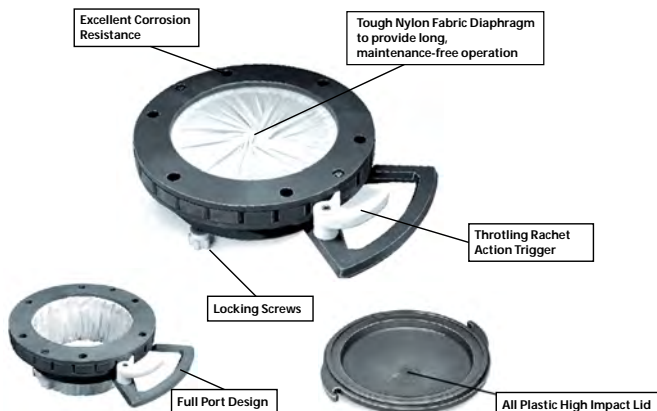
Truly Plug n Play



- Input: 100 - 240 VAC, 50/60 Hz,
- Output: 24 VDC
- Cable: 6 foot cord
- Dielectric isolation (input to output): 4 KVDC for 60 seconds
- Operating temperature: 0°C to 40°C at maximum load
- Storage temperature: -20°C to 60°C
- Over voltage and short circuit protected
- No minimum load required
- Double insulated
- Class B EMI
- EISA 2007 and CEC compliant
- Humidity: 5% to 95%, non-condensing

## DryPro DRY MEDIA

### Dry Media Throttling Valve



Hopper Application

#### High Chemical Resistance

All Plastic Body made of Glass Reinforced polypropylene and Nylon diaphragm provides excellent corrosion resistance to a wide range of materials

#### No contamination of product

Valve cannot rust - Perfect for corrosive environment

#### Approved for Food

Materials of construction are food approved

#### Adjustable Flow Capacity

Orifice diameter is adjustable by rotating control handle. Position lock holds opening in diaphragm.

P2R POWER SUPPLY

POWER SUPPLY + TIMER



- 90-250VAC-24 VDC
- Supply 24 VDC Power to Instrument Sensor
- Timer On - Timer Off (5 Sec)
- Simple to Install
- NPN or PNP Pulse to 5 Amp Relay Output
- Resists Chemical Attack
- Small Footprint

truflo®

*Built Industry Tough*



Truflo...Innovative Products that are 'Built Tough' and 'Engineered to Outperform!'