

- Continuous Level Sensor
- Works on Foam - Vapor - Turbulence
- Excellent Chemical Resistance
- All Plastic Design

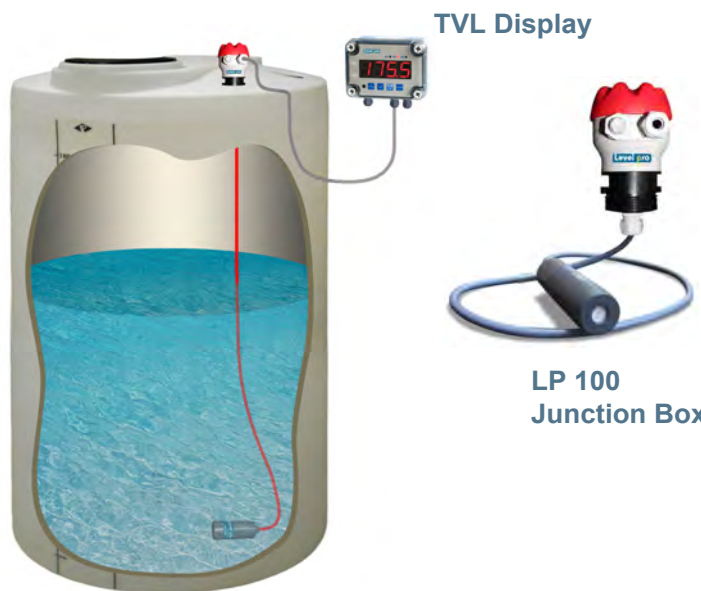


SERIES : 100

BODY : PVC, PP, PVDF, 316 SST



PVC Version



TVL Display

LP 100 Junction Box

The 100 Series Pressure Transmitter is designed for Continuous Level Measurement of Aggressive Liquid Media

Pressure Measurement

- ▶ Tanks / Sumps up to 100 ft Range

Output Signal

- ▶ 2 wire : 4-20 mA (Std), Hart, RS485

Features

- ▶ Compact Design
- ▶ Built in Weight -Eliminates Floating
- ▶ Excellent Long Term Stability
- ▶ High Accuracy
- ▶ Flush Sensor - Non Clogging Design
- ▶ Heavy Duty PTFE Cable (5m, 10m, 15m) Length - Other Lengths Available
- ▶ Excellent for Foam, Vapor or Condensate
- ▶ Ceramic Sensing Diaphragm
- ▶ Heavy Duty Rugged Design
- ▶ No Moving Parts
- ▶ Automatic Temperature Compensation

Applications

Sewage



- Foam - Vapor-Turbulence-Condensate
- Waste Water Treatment
- Leachate Collection
- Waste Sumps or Pits
- Chemical Dosing
- Inventory Management

Aggressive media



- Acids + Bases
 - Pits
 - Chemical Tanks
 - Plating Tanks
 - PH Control Tanks
 - Storage Tank Monitoring
- ▶ Excellent for All Tanks/Sumps-Large (54') or Small (12")
 - ▶ The Solution to Tough Applications where Ultrasonic Sensors Simply DO NOT WORK!
 - ▶ No Lost Signals

Input Pressure Range

Level ft/H ₂ O		14.0	20.0	33.5	54
Overpressure	PSI	21	29	29	58
Burst Pressure >	PSI	29	58	58	72

Output Signal/Supply

Standard	2-wire: 4-20mA (Loop Powered) Hart , RS 485, Voltage
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Performance

Accuracy	<± 0.5% Full Scale or Better
Permissible load	$R_{max} = [(V_s - V_{smin}) / 0.02 A] \Omega$
Influence effects	Supply : 0.05% Full Scale/10V Load : 0.05% Full Scale/K Ω
Long term stability	<± 0.1% Full Scale over One Year
Response time	<10 msec or better
¹ accuracy according to IEC 60770 - limit point adjustment (non-linearity, hysteresis, repeatability)	

Thermal Effects (Offset and Span)

Thermal Error	<± 0.2% FSO/K in compensated range -25 - 70°C -13 - 158°F
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Permissible Temperatures

Permissible Temperatures	Medium PVC 32°F -140°F PP -4° -178°F PVDF -30-178 °F Storage -10°C -60°C
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Electrical Protection

Short-circuit Protection	Permanent
Reverse Polarity Protection	No Damage to Sensor
Electromagnetic Compatibility	Emission Immunity according to EN 61326
Short-circuit Protection	Permanent

Electrical Connection

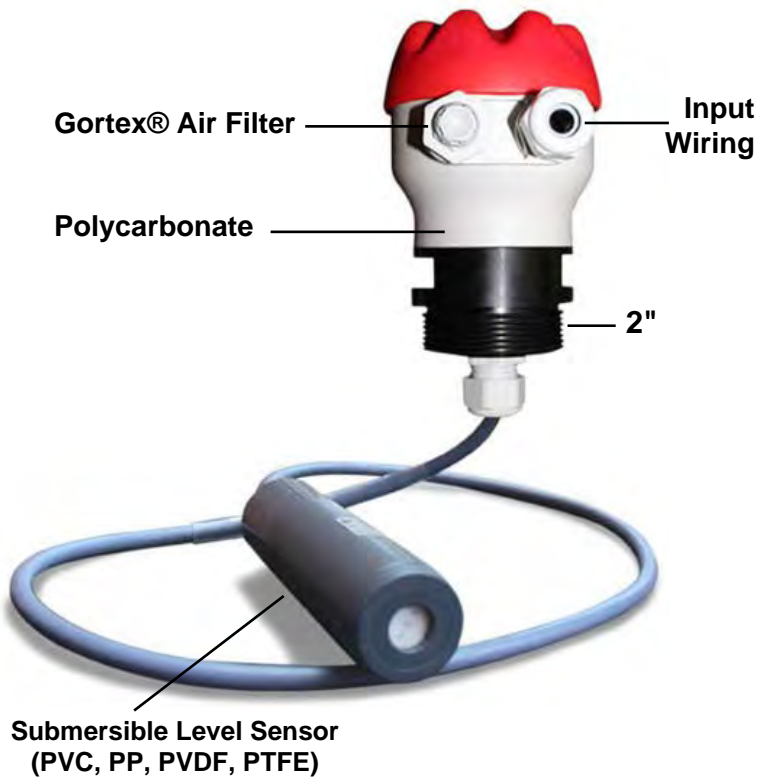
Cable with sheath material	PTFE (Teflon®) (0 -200°F)
3 Wire Cable with integrated air tube for atmospheric pressure reference	

Materials (wetted)

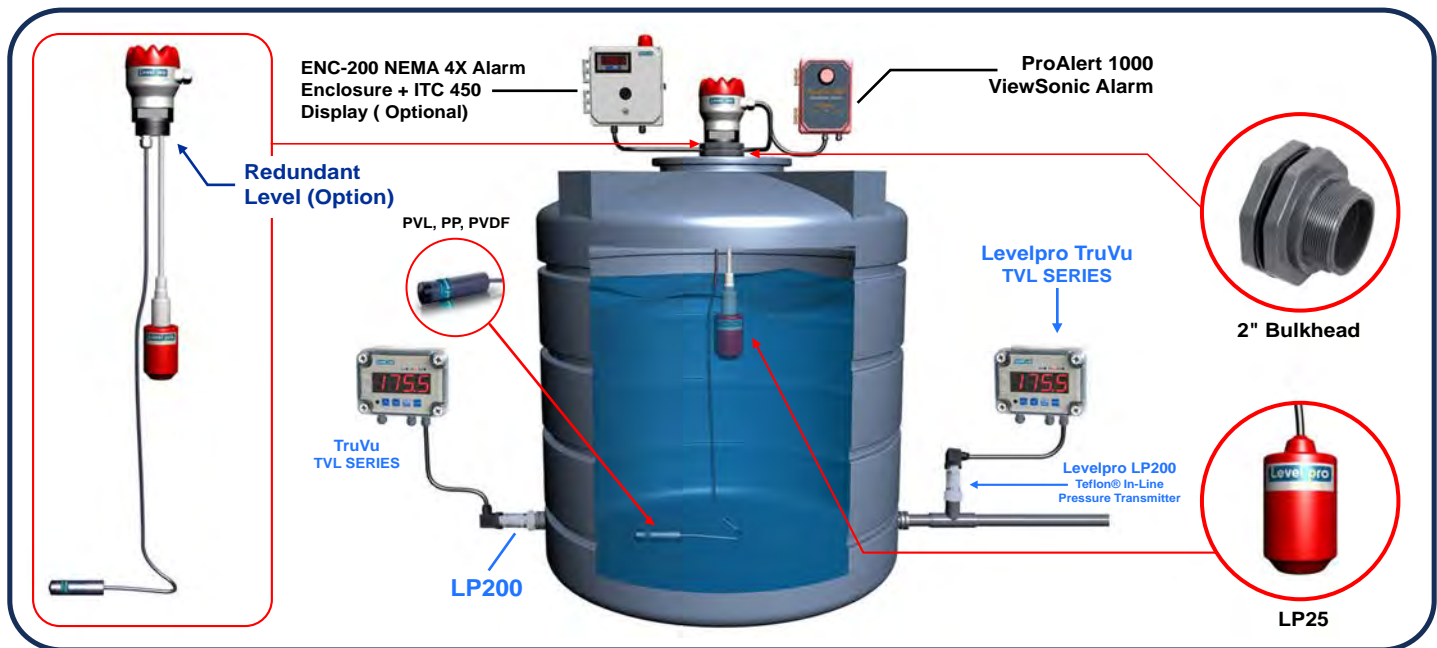
Housing	PVC, PP, PVDF, 316 SS
Seals	FFKM-Kalrez
Diaphragm	Ceramic Al ₂ O ₃

Level Installation Fitting

The Perfect Mate for All Plastic Levelpro Sensors



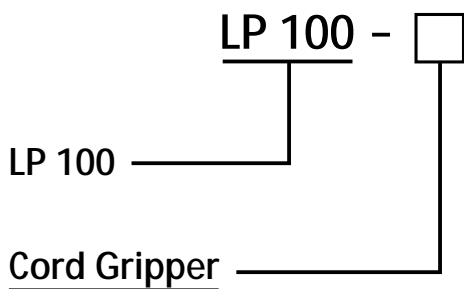
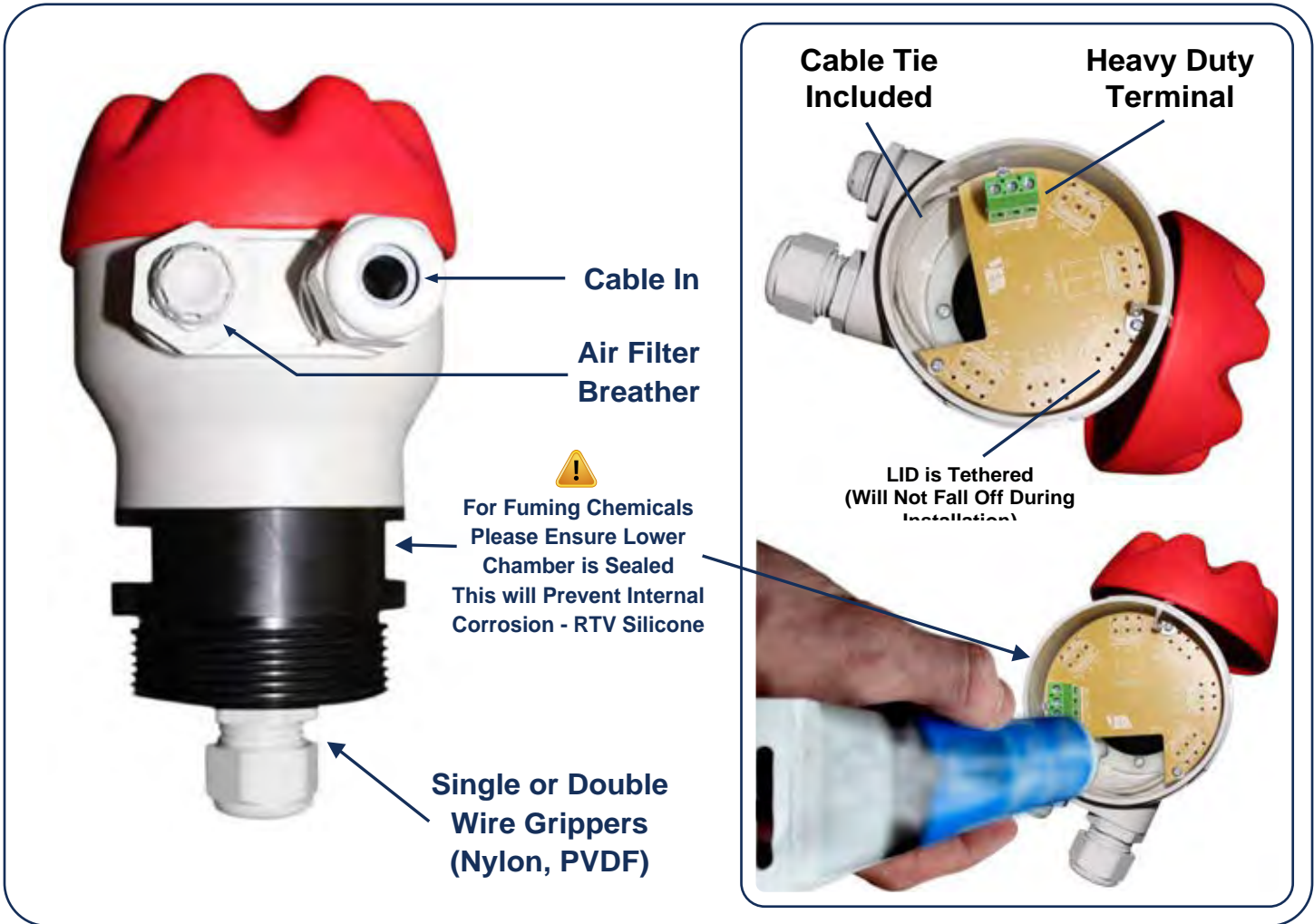
- All Plastic NEMA 4X Enclosure.
- Threaded Polyethylene Connection
- Light Weight GRP-(Glass Reinforced Polycarbonate)-High Impact
- Excellent Chemical Resistance
- Weather Resistant



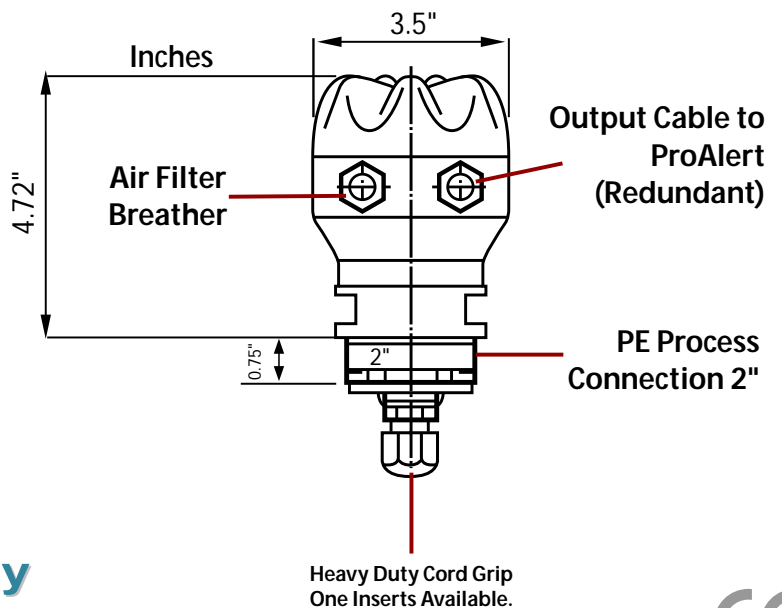
⚠ For Fuming Chemicals Please Ensure Lower Chamber is Sealed This will Prevent Internal Corrosion - RTV Silicone.

LP 100 Series

Technical Data



- A. Nylon
- B. PVDF
- C. Nylon Flex
- D. PVDF Flex



Order from: **C A Briggs Company**

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Sales@cabriggs.com - www.cabriggs.com

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