

LevelPro®



RoHS
Compliant



Reliable Float Switches for
Accurate Liquid Level Control

LevelPro® – FloatPro® LP25

Float Level Switches

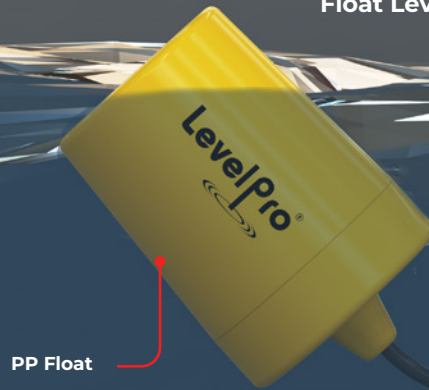
LP25-L
Float Level Switch



PP Float

PVC Cable

LP25-C
Float Level Switch



PP Float

PVC Cable

Features

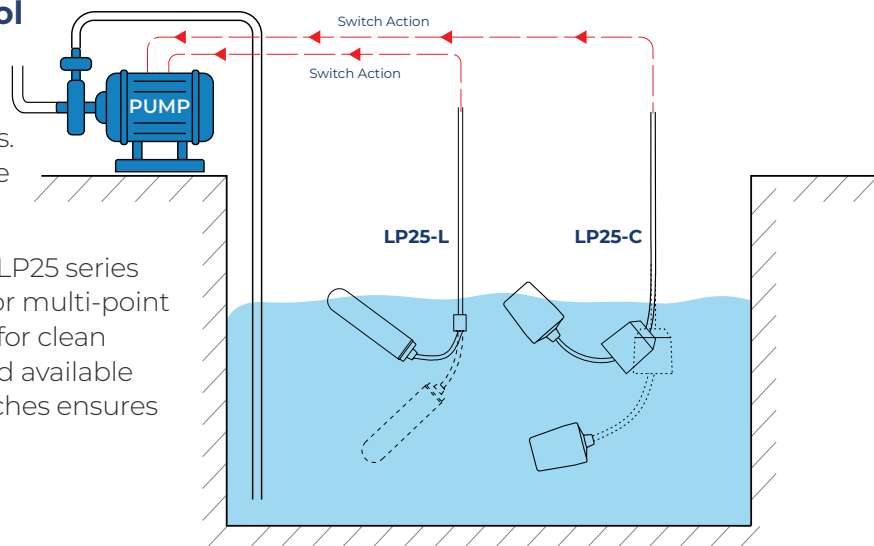
- ✓ Easy Installation
- ✓ PP Float Material
- ✓ NO | NC Contact Options
- ✓ Optional PP Weights
- ✓ Excellent Chemical Resistance
- ✓ Customizable Cable Lengths



Effortless Precision in Liquid Level Control

Designed for versatility, the FloatPro® LP25 series offers a wide switching range for precise liquid level detection across various tank sizes and configurations. With two models available, FloatPro® adapts to a wide range of applications.

Constructed from chemical-resistant polypropylene, LP25 series level switches are durable, affordable and designed for multi-point liquid level detection. The LP25 Series is also suitable for clean liquids and granular solutions. Featuring PP floats and available in NO or NC contact modes, FloatPro® float level switches ensures reliable performance in demanding environments.



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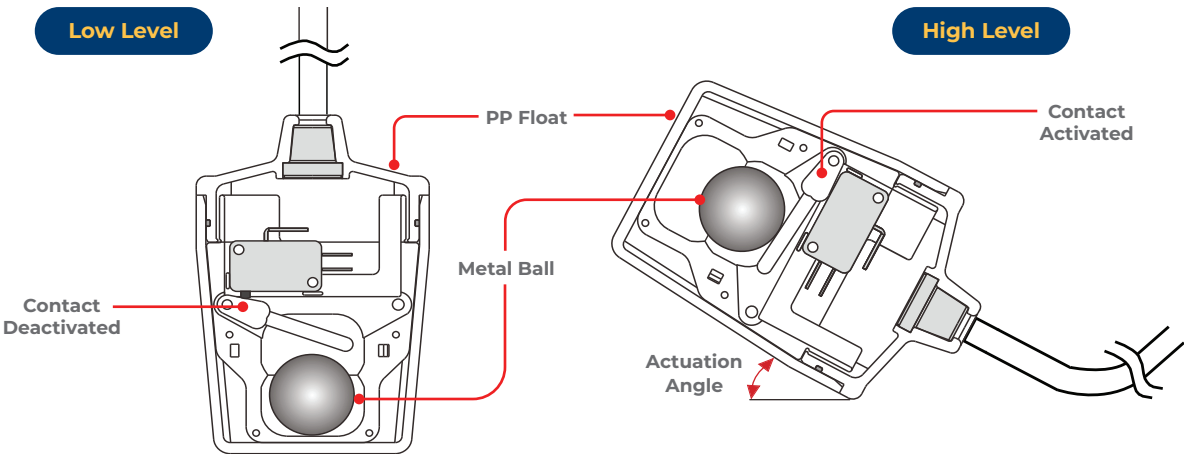
Specifications

MODEL	 	
	LP25-C	LP25-L
Switch	Micro Switch	Reed Switch
Float Material	PP	PP
Contact Mode	NO NC	NO NC
Contact Rating	10A/ 250VAC 15A/ 250VAC*	AC: 250V, 0.28A (NO) 125V, 0.56A (NC) DC: 50V, 1A (NO) 20V, 2.5A (NC)
Operating Temperature	32°F ~ 140°F 0°C ~ 60°C	32°F ~ 140°F 0°C ~ 60°C
Specific Gravity	0.6	0.8
Pressure	28.5psi	64psi
Cable	PVC	PVC
Cable Length	3ft Customizable	3ft Customizable
Wire Voltage	600VAC	300 VAC/ 350VDC(NO) 150 VAC/ 200VDC (NC)
Actuation Angle	28° ± 2°	Up 18° ± 4° Down 3° ± 3°
Contact Resistance	Max. 100mΩ+(70mΩ/m)	Max.100mΩ+(70mΩ/m) (NO) Max. 150mΩ+(70mΩ/m) (NC)
Protection	IP68	IP68

* Optional

Working Principle

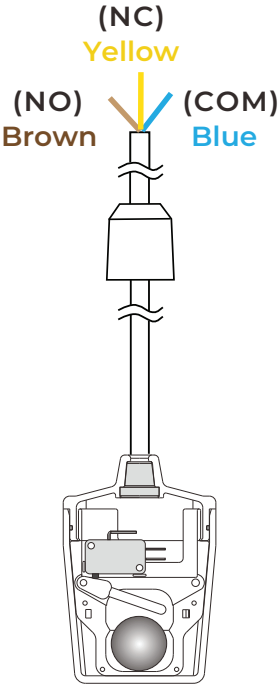
The **LP25 Series** Float Level Switches utilize micro switches or reed switches to control the contact. As the float rises and tilts, a metal ball inside the switch moves with the float's position, activating the contact to send an ON or OFF signal.



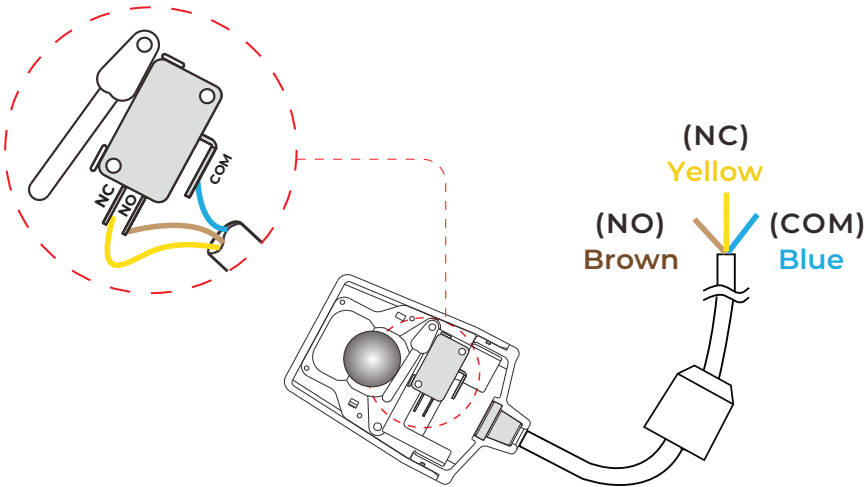
LevelPro® – FloatPro® LP25

Float Level Switches

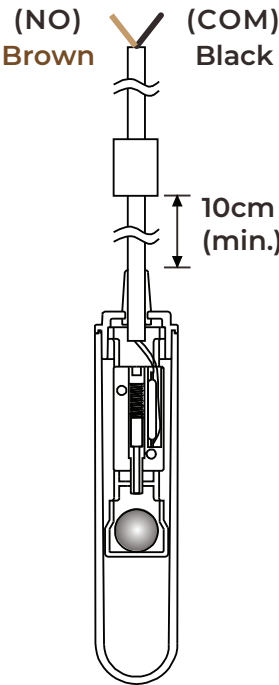
Wiring | LP25-C | Micro Switch



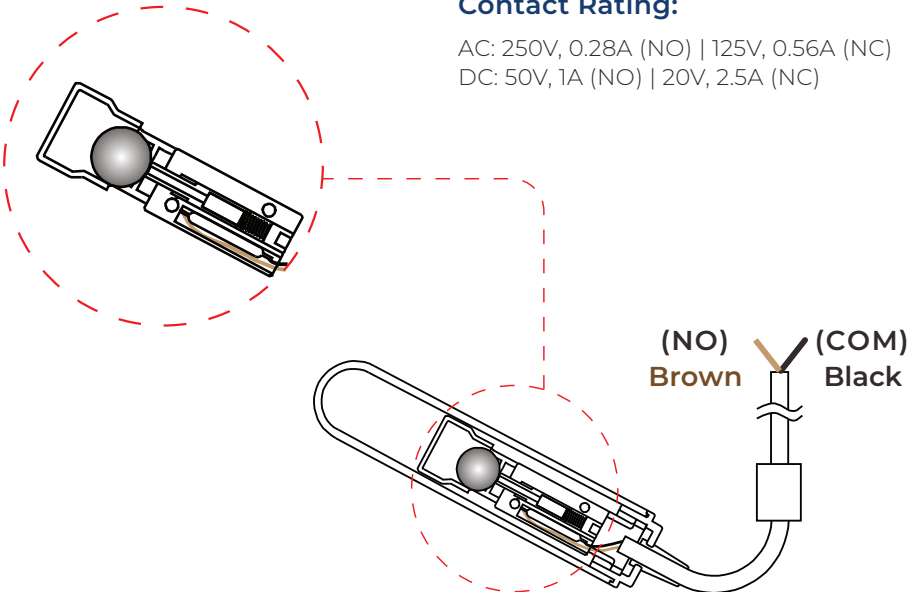
Contact Rating:
10A/ 250VAC | 15A/ 250VAC (Optional)



Wiring | LP25-L | Reed Switch

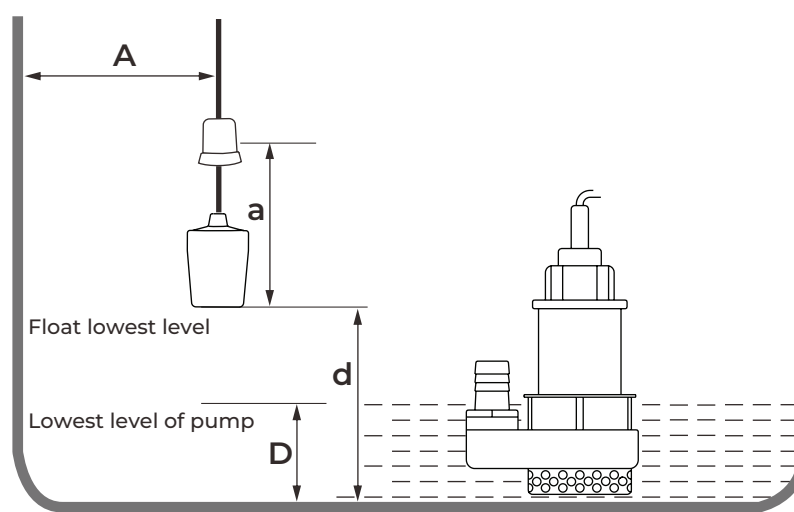


Contact Rating:
AC: 250V, 0.28A (NO) | 125V, 0.56A (NC)
DC: 50V, 1A (NO) | 20V, 2.5A (NC)

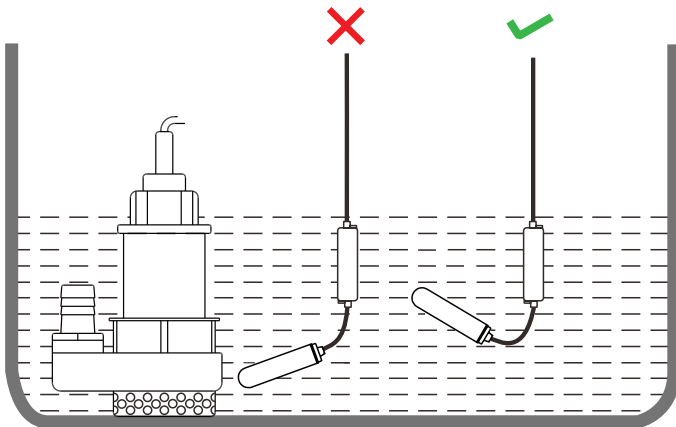


Installation

- ✓ The length of the float's movement (a) must be less than the distance between the wall and the cable (A); otherwise, it will not operate correctly. Additionally, the lowest position of the float (d) must be above the pump's minimum water level (D).

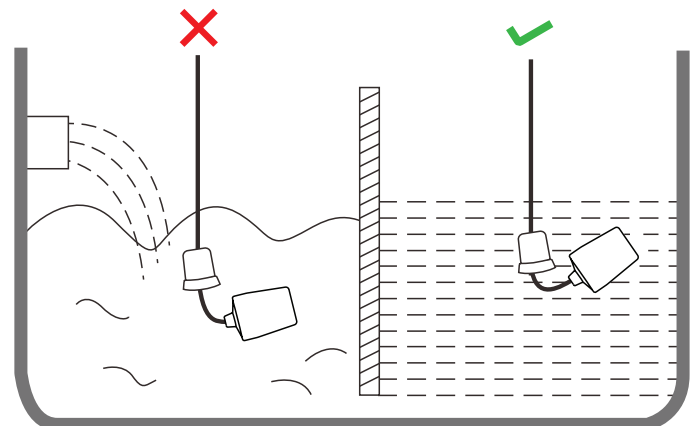


Installation Precautions

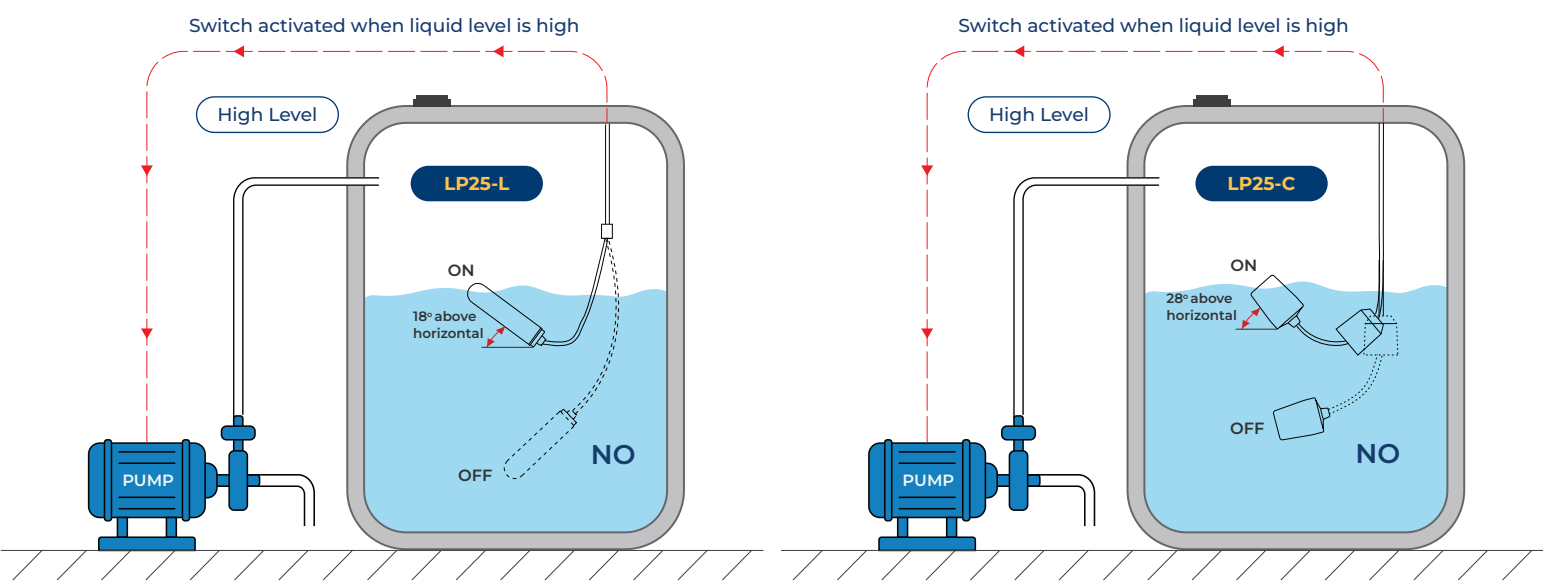


- ✓ Maintain a safe distance between the installation point and the water pump inlet to prevent the float switch from being drawn into the pump.

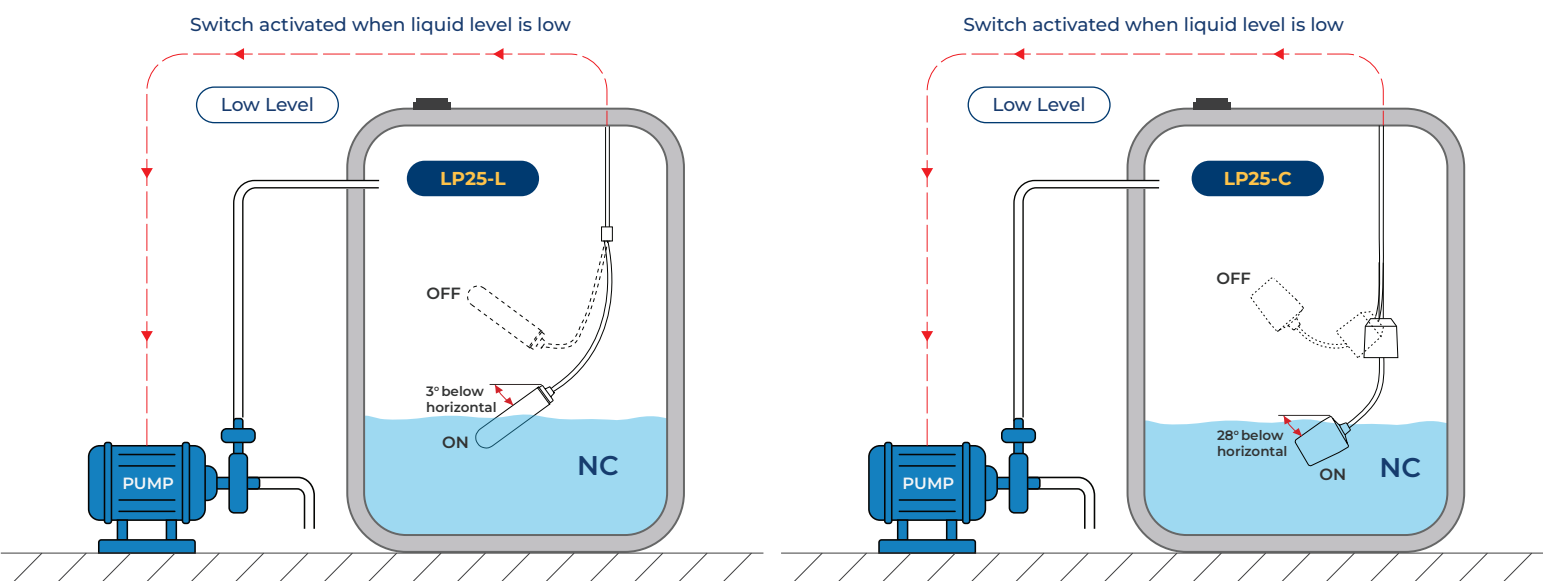
- ✓ Maintain a sufficient distance between the installation point and the water inlet to prevent direct water impact. If unavoidable, install a pipe shield or plate to reduce turbulence.



Application Example - Normally Open (NO)



Application Example - Normally Closed (NC)



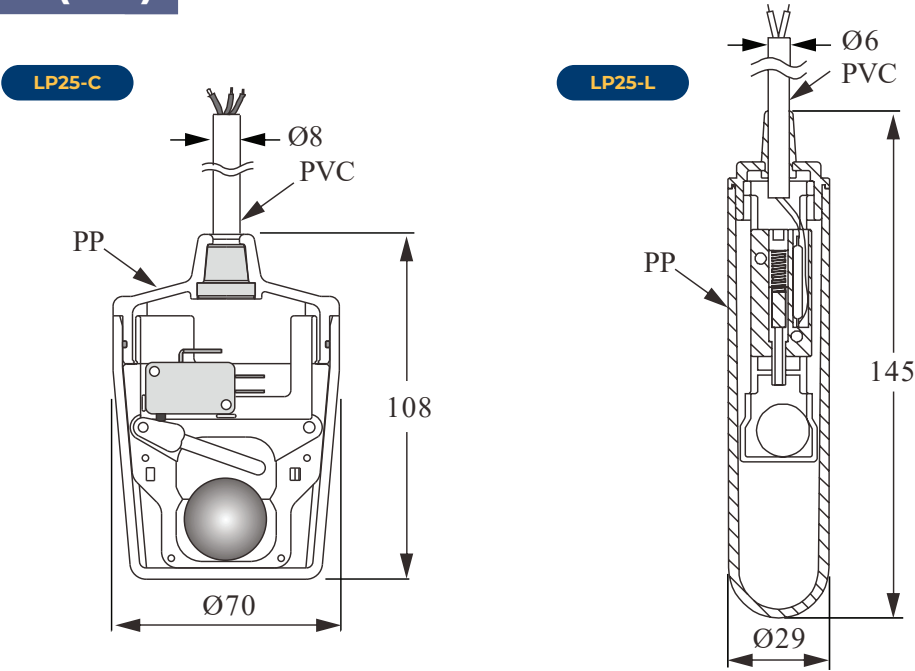
LevelPro® – FloatPro® LP25

Float Level Switches

Contact Modes - Wiring

Model	LP25-R	LP25-L
SPST (NO) Single Pole Single Throw (Normally Open)	Wiring: Brown (NO) Blue (COM) Actuation Angle: $a = 28^\circ$ above horizontal	Wiring: Brown (NO) Black (COM) Actuation Angle: $a = 18^\circ$ above horizontal
SPST (NC) Single Pole Single Throw (Normally Closed)	Wiring: Yellow (NC) Blue (COM) Actuation Angle: $b = 28^\circ$ below horizontal	Wiring: Blue (NC) Black (COM) Actuation Angle: $b = 3^\circ$ below horizontal

Float Dimensions (mm)



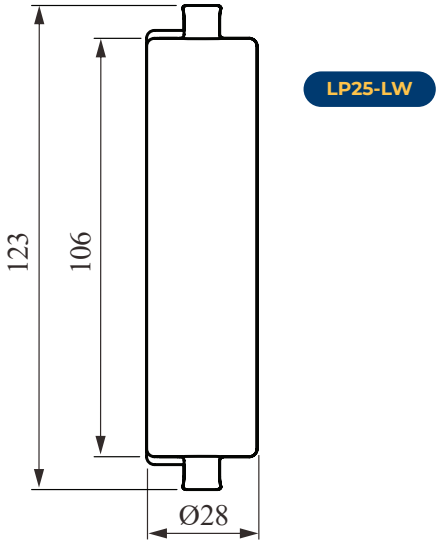
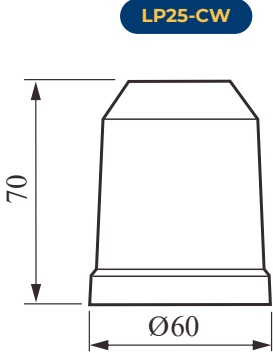
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Float Level Switches

Weight Dimensions (mm)

LP25-CW	
Material	Weight (lb)
PP	0.66 1.10

LP25-LW	
Material	Weight (lb)
PP	0.33



Model Selection

Normally Open (NO)	
Part Number	Float Material
LP25-C-NO-X	PP
LP25-L-NO-X	PP

X = Length in ft

Normally Closed (NC)	
Part Number	Float Material
LP25-C-NC-X	PP
LP25-L-NC-X	PP

X = Length in ft

Weights (Add On)	
Part Number	Weight (lb)
LP25-CW-06	0.66
LP25-CW-10	1.10
LP25-LW-03	0.33