

The **CFL Series Continuous Float Level Transmitter** uses a plastic float that contains a magnet inside, the linear movement is in direct relation to the liquid level being measured. The movement of the float excites the divider circuit that is located inside of the stem which is then converted into a analog 4-20mA output signal.



FEATURES

- PP, PVC, PVDF, 316 Wetted Materials
- Tank Measurement up to 10 ft High
- Excellent Chemical Resistance Easy Installation
- Two-wire 4-20mA Output
- Epoxy coated aluminum alloy Junction Box
- 2" NPT Connection
- Suitable for Corrosive Non-Coating Acids - Bases

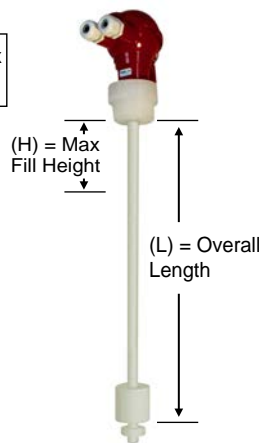
Model Selection of Continuous Float Level Transmitter

CFL-□□-□□-□□

Length (Inches) to Max Fill - 20mA = (H)

Length (Inches) to Bottom - 4mA = (L)

(P) - PVC
(PP) - Polypropylene
(PF) - PVDF
(SS) - 316 SS



Notes :

Select the proper float according to the working temperature, pressure, acid and alkali

- **Temperature:** the maximum temperature of PP is 80°C, the maximum temperature of PVDF is 150°C, the maximum temperature of SUS 304/316L floating ball is 200°C.
- **Pressure:** the maximum pressure resistance of plastic float is 75 Psi, the maximum pressure resistance of SS float is 580 Psi
- **Viscosity:** for viscous liquid, it is better to choose a float with large diameter and low density to overcome the surface tension.
- **Acid and Alkali :** polypropylene is suitable for strong acid and alkali occasion while choose PVDF in strong acid and alkali occasion of above 80°C temperature.
- **Alcohol and Oil etc:** it is suggested to use stainless SUS, and use food grade of SUS316L for food industry applications

Magnetic Floating Ball

SL	Dimension ØXHXd(mm)	Material	Density g/cm ³	Max. Temp. °C	Pressure Resistance PSI
P2	Ø48XH52Xd 20	PP(Mid-hollow)	0.55	80	75
F1	Ø55XH70Xd 23	PVDF	0.86	110	75
P1	Ø48XH52Xd 20	PP(Mid-hollow)	0.55	60	75
S1	Ø40XH48Xd 20	316SS	0.70	140	75

