

Magnetic Floats for Liquid Level Sensors (NBR / SUS304 / PP / EPS)

Model: FN / FB / FPP Series

Product Overview

Molded NBR, SUS304/SUS316L stainless steel, and PP magnetic floats with embedded permanent ring magnets for liquid level sensors.

Key Features

- Engineered for diesel, engine oil, water, coolant, and chemical fluids
- NBR foamed floats for high buoyancy and resistance to oils and fuels
- SUS316L welded cylindrical floats for high temperature and high pressure (up to 5 MPa)
- Polypropylene (PP) and PVDF floats for acid, alkali, and chemical media
- Matched center bore diameters (9mm to 23mm) for standard guide tubes

Typical Applications

- Automotive & Commercial Vehicles
- Industrial Machinery & Automation
- Electric Vehicles (EV & FCEV)
- Safety Interlocks & Control Systems

Technical Specifications

Parameter	Specification / Technical Value
Material Options	NBR, SUS304, SUS316L, PP, PVDF
Specific Gravity	0.50 to 0.85 g/cm³ (High buoyancy)
Operating Pressure	Up to 5.0 MPa (SUS316L) / 0.5 MPa (PP/NBR)
Operating Temp	-40°C to +120°C (NBR) / +180°C (SUS316L)
Magnet Type	Sintered Ferrite or NdFeB ring magnet embedded
Bore Diameter	OD 28-52mm, ID 9.5-23mm