

### Mobrey Horizontal Float Level Switch

Rugged, robust and trusted worldwide

Long term **reliability**  
in the **harshest** of  
environments,  
Mobrey float level  
switches are ideal for  
**tough** process control  
duties.



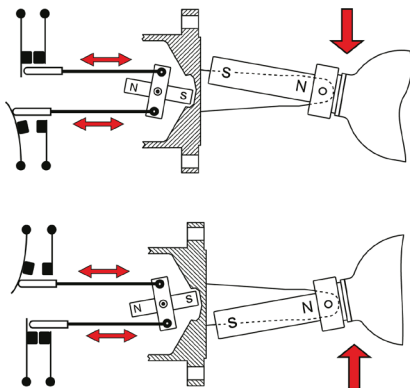
#### Reliability for Peace of Mind



- Tough, rugged design for long life in aggressive environments
- Over 100 years of experience – a proven design
- Trusted globally for long-term reliability
- Reliable operation at high pressures and temperatures
- Unaffected by changes in process temperature, dielectric or vapors



#### Reduced Maintenance with Unique Switching Mechanism



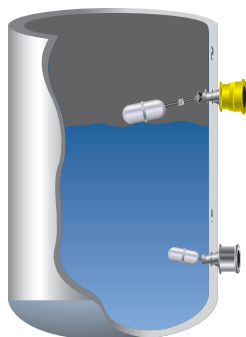
- Magnetically coupled
- No glands or linkages, no leaks
- No springs for reduced maintenance
- Snap-acting switch
- No contact hover or bounce, clean make or break
- Latching switch
- Magnetically latched once operated, no reset if level continues to change
- Solid silver contacts
- No mercury tubes for environmentally friendly switching
- High resistance to vibration, false trips eliminated

“The design is **impressively** simple, the Mobrey switch is **reliable** and **robust**. It can operate at **pressures** we need (50 bar) and it can take shocks – you can’t phase it.”

**Site Engineer**  
**Lindsay Oil refinery**

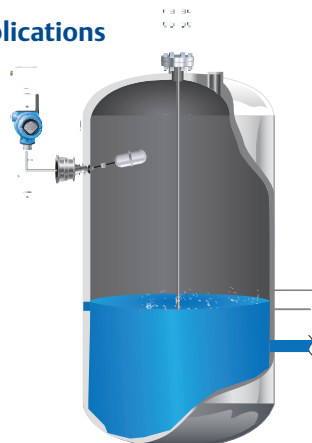
## Level Detection Applications

### High and low alarm



Reliable high and low liquid level detection is essential. Overflows are dangerous and costly, while empty vessels lead to pumps running dry.

### Wireless applications

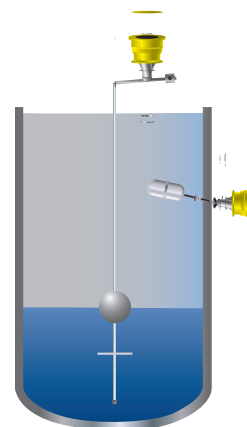


Easily wireless enabled with a wireless transmitter for cost effective level detection and overflow protection, improving performance and plant safety.

### Specification

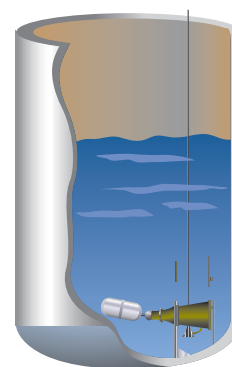
Output	Voltage free contact
Pressure rating	Up to 2900 psig at 68 °F (200 barg at 20 °C)
Temperature rating	-22 to 752 °F (-30 to 400 °C), -148 to 482 °F (-100 to 250 °C)
Process connections	Flanged
Wetted materials	Aluminium bronze, 316 stainless steel, gunmetal
Housing	Aluminium bronze, aluminium alloy
Functional testing	Optional local test device
Hazardous area approvals	ATEX, IECEx, CSA
Marine approvals	LRS, GL, ABS, BV, RINA, RMRS, DNV

### Pump control



May be specified with pump control mechanisms which can be site adjusted to control required liquid differential. Ideal for header or filler tanks.

### Submersed applications



Where it is not possible to side or top mount a switch, the submersible float switch is watertight Type 6P (IP68) to 100ft. (30m) and may be tank floor mounted.