

Level Float Probe Type LFP

Application.

The Benney Float Probe is ideal for use where point level control is critical in preventing vessel overflow or dry pump situations when using liquid materials. When the desired level is achieved, the float (which is fitted with a magnet) activates a reed switch inside the probe. This in turn can switch a pump on or off, activate an alarm or siren or send a signal to a PLC to begin a new operation. These probes can be used for high level, low level or control points.

Terminal Housing.

Level Floats can be fitted to the BTT large stainless steel housing (standard), BTT stainless steel EX d, aluminium or Bakelite housing. See www.benney.com.au for terminal housing specifications.

Configuration.

316L stainless steel probe fitted with one to five floats. Probes can be straight or bent. Floats are Stainless Steel in sizes of 29mm x 29mm oblong shape or 52mm diameter round. Floats can be normally open, normally closed, or when there are two or more floats, a combination of both. Process connection size and types are listed below.

Process Connection.

- 1½" BSM (flat face, with nut)
- 2" BSM (flat face, with nut)
- 1½" BSM (recessed face, with nut)
- 2" BSM (recessed face, with nut)
- 1½" Triclover
- 2" Triclover
- 1" BSPT male
- 1 ½" BSPT male
- 2" BSPT male
- 2 ½" BSPT male
- 3" BSPT male
- Others available upon request.

Terminal Housing IP Rating. (When fitted correctly)

Certified IP 65, 66, 67
(Rating only applies to stainless steel models)

Electrical Gland Fitting.

20mm conduit gland connection
(Can be wired through conduit or use gland provided)

Probe / Float Material.

316L stainless steel
Others materials available upon request

Probe Length / Float Position.

To customers specification



Technical Specification.

Minimum operating temperature:	-40°C
Maximum operating temperature:	+125°C
Maximum switching Voltage:	35VDC
Maximum pressure	
Small 29mm S/S float:	30 bar
Large 52mm S/S float:	50 bar
SG for small 29mm S/S float:	from 0.55
SG for large 52mm S/S float:	from 0.4

