

Flameproof float switches FS21 and FS22 (checkable) series

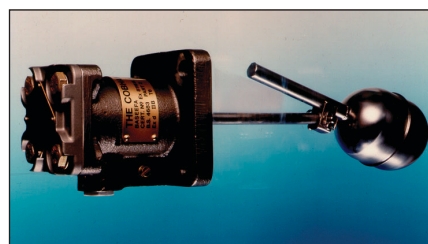


- Atex certified to II 2 G / EEx d IIC T6-T3
- Weatherproof to IP 65
- Suitable for general purpose flameproof applications
- High reliability in single, dual or multi-level switching
- All wetted parts in 316 stainless steel
- Available in top, bottom or side mounted modes

Float switches for gas groups IIA, IIB & IIC are manufactured for general purpose flameproof applications. They are all stainless steel welded construction including mounting flange and termination head. Suitable for top, bottom or side mounting with single or multi-level switching. They are available with SPST or SPDT including a 500W reed switch capable of starting small electric motors without the need of a relay, or motors up to 200HP through a contactor.

Side mounted (FS21/FS22)

The standard side mounted float switches are ideal for conditions where access to the top or bottom of a tank is not possible. Due to the principle of operation, the float will cater for any specific gravity. Also available in multiple level for up to four alarm points.



Side mounted Checkable/Lockable versions are available to special order.

Checkable / Lockable (FS22)



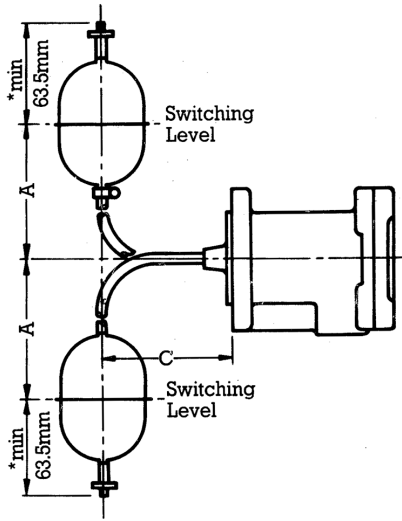
These switches are the only versions fitted with an additional manual level checking facility and a locking option for security. Ideal for applications where periodic alarm checking is required.

Typical applications

Chemical processing
Liquid storage
Pressure vessels
Pump control
High/Low level alarms

Operational dimensions

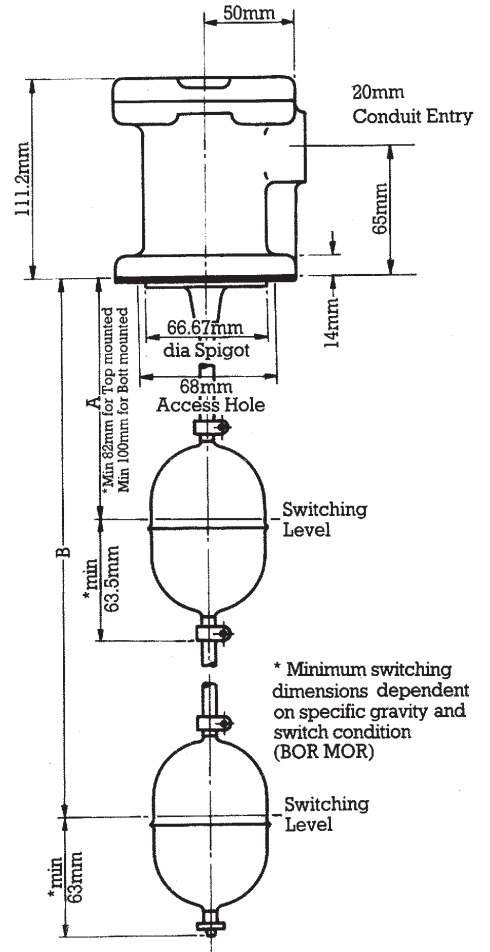
Float switch side mounted - 90 deg



* Minimum switching dimensions dependent on switch condition (BOR MOR)

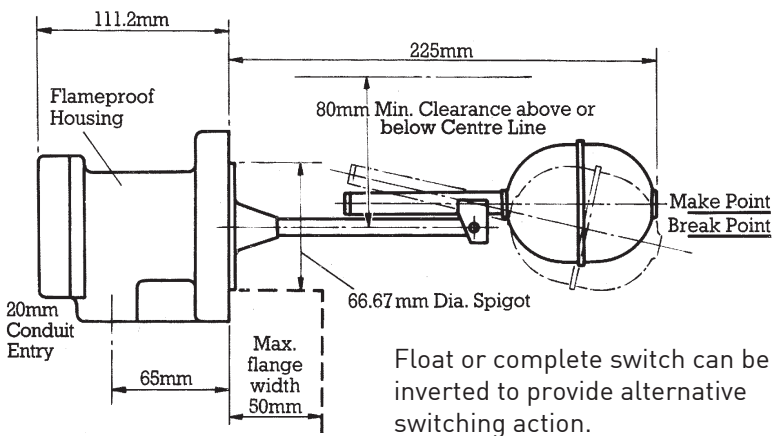
Flameproof float switch

Connection to conform to:
BS EN 60079-14: 1997



* Minimum switching dimensions dependent on specific gravity and switch condition (BOR MOR)

Flameproof float switch side mounted

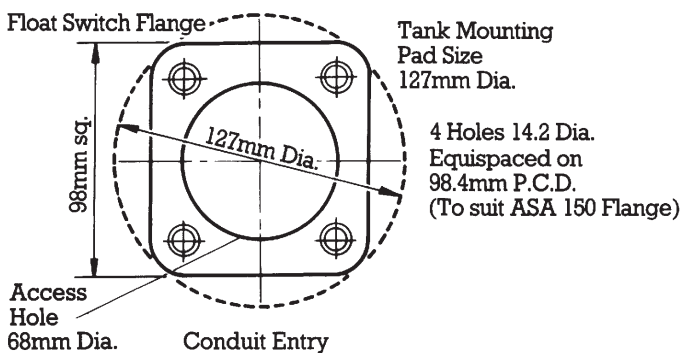


Float or complete switch can be inverted to provide alternative switching action.

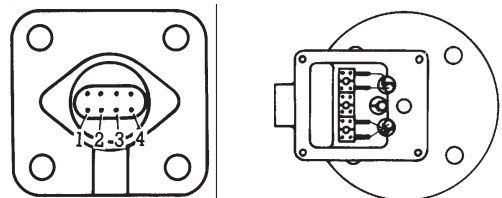
Shown is a two float configuration, generally the maximum recommended is three floats. Other requirements are available to special order.

Avery-Hardoll recommend a maximum tube length of 4 metres.

Drilling dimensions



Terminal block connections

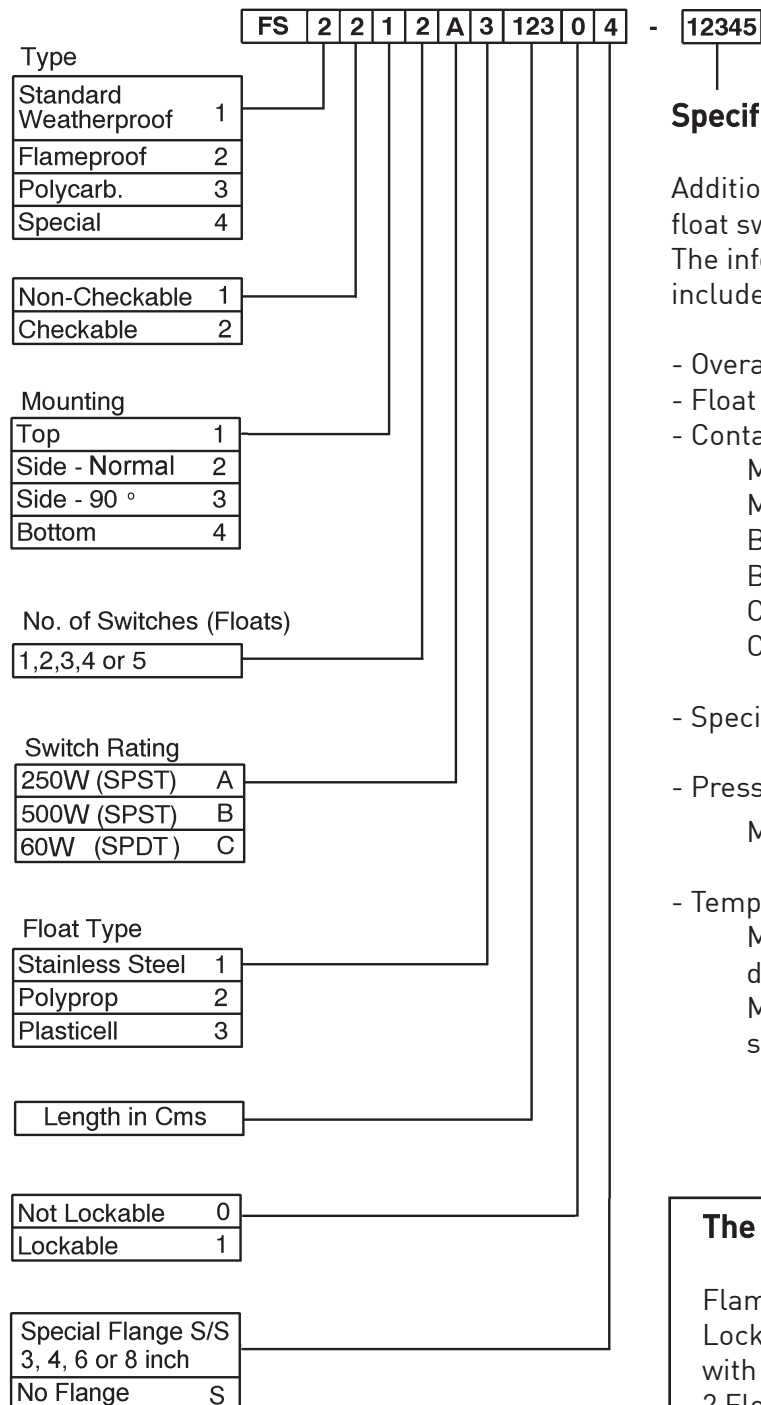


For wiring details please see installation sheet supplied with the equipment.

Ordering information

When ordering level controllers, technical information is required to ensure the customer is supplied with the correct product. For this purpose a special form will be sent on receipt of an order. The form allows the customer to specify exact requirements by ticking boxes which will create the correct part number.

An illustration of how a part number is built is shown below:



Specification

Additional information required to produce a float switch to exact customer requirements. The information is held in database form and includes:

- Overall length
- Float level dimensions 'A', 'B,' etc.
- Contact operation for each switch
 - MOR - Make on rise
 - MOF - Make on fall
 - BOR - Break on rise
 - BOF - Break on fall
 - COF - Change on rise
 - COF - Change on fall
- Specific gravity of liquid
- Pressure
 - Max working pressure 17.5 kg/cm²
- Temperature
 - Max. 70 deg C with polyprop displacer (T6)
 - Max. 150 deg C with stainless steel (T3)

The example shown specifies:

Flameproof, Checkable/ Lockable float switch with top mounting	FS22 1
2 Float switches	2
250W switch rating	A
Plasticell floats	3
Length (cms)	123 cms
Non lockable	0
4 inch special flange ANSI	4

AM Sensors
UK Distributor for Avery-Hardoll
measurement and control products

The Old Creamery
Hunspill Road Highbridge
Somerset TA19 3DE

Tel: 01278 784747 Fax: 01278 783425
info@amsensors.com

Avery-Hardoll
Holland Way
Blandford Forum
Dorset DT11 7BJ
UK

Tel: +44 (0) 1258 486600
Fax: +44 (0) 1258 486601

www.meggittfueling.com

Whittaker Controls
12838 Saticoy St
North Hollywood
California 91605-3505
USA

Tel: +1 818 765 8160
Fax: +1 818 759 2194

www.wkr.com
www.meggitt.com

PRO FLT 45

MEGGITT