

Float Switches - continued

Vertical - continued

H=59(45 into vessel), Float dia:730-744=30,
372-1073=22
Mounting hole dia = 8.5, Max wall thickness = 10

Typical Sensing Applications

- Franking equipment
- Oil tanks
- Agricultural equipment
- Condensate level - alarm system

	730-774	372-1073
Switching voltage	100Vdc,250Vac	100Vdc,250Vac
Switching current	1A	1A
Switching power	15VA	15VA
Min S.G	0.65	0.65
Material	Polypropylene (housing), Foamed polypropylene (Float material)	Polypropylene (housing), Hollow polypropylene (Float material)
Temperature Range	-30°C to +60°C	-30°C to +70°C
Sealing Components	Silicone	Silicone
Cable	2 x 22AWG PVC insulated, 0.1m long	

233612

Mfrs. List No.	Order Code	1+	25+	100+
FVCS-02	100-6795	474.00	399.00	301.00
VCS-04..	372-1073 ‡	507.00	427.00	298.00

Vertical - Stainless Steel



- Level rise or fall sensing (rotate float 180°)
- Suitable for a wide range of liquids
- Temperature range to 120°C
- Specific Gravity to 0.7
- Stainless Steel
- Robust construction
- Internal fitting
- Top or bottom entry
- Repeatability and reliability due to Reed Switch characteristics
- Interface unit available Order Code **730-816**

Typical Sensing Applications

- Vending machines - Drinking water
- Food processing
- Drinking water level - Hot and cold
- Boiler heating element protection

H=78(47 into vessel), Float dia = 28
Mounting hole dia = 16.5, Max wall thickness = 10

	100Vdc,250Vac	Material	Stainless Steel
Switching voltage	100Vdc,250Vac	Material	Stainless Steel
Switching current	1A	Temperature Range	-30°C to +120°C
Switching power	15VA	Sealing Components	Silicone
Min S.G	0.75	Cable	2 x 18AWG PVC insulated

233601

Mfrs. List No.	Order Code	1+	10+	25+
FVSS-01	100-6801	3,498.00	3,253.00	2,919.00

Extended Vertical Float



Typical Sensing Applications

- Waste water level
- Cooking oil
- Sump level
- Water level
- Chemical

H=260(224 into vessel), Float dia = 30
Mounting hole dia = 16.5 internal, 23 external fitting
Max wall thickness = 10 internal, 4 external fitting

- High and low level sensing
- Suitable for a wide range of liquids
- Temperature range to 130°C
- Specific Gravity to 0.65
- Nylon 6.6 or Brass housing
- M8 internal or external fitting
- Top or bottom entry
- Both switches closed with float down
- Repeatability and reliability due to Reed Switch characteristics
- Interface unit available Order Code **730-816**

	730-762		722-0005	
	High Switch	Low Switch	High Switch	Low Switch
Switching voltage	100Vdc,70Vac	Vdc,250Vac	100Vdc,70Vac	100Vdc,250Vac
Switching current	0.3 A	A	0.3A	1A
Switching power	3VA	15VA	3VA	15VA
Min S.G	0.90		0.65	
Housing Material	Nylon 6.6		Brass	
Float Material	Nylon 6.6		Polypropylene	
Temperature Range	°C to +70°C		-30°C to +110°C	
Sealing Components	Silicone		Silicone	
Cable	3 x 18AWG PVC insulated, 0.5m long			
Cable Colours	Black/White	Black/Yellow	Black/White	Black/Yellow

233615

Type	Mfrs List No.	Order Code	1+	10+	25+
Nylon	FEVS312-51	100-6764	1,868.00	1,649.00	1,527.00
Brass	FEVS722-51..	722-0005 ‡	3,112.00	2,749.00	2,635.00

Right Angle



Typical Sensing Applications

- Coolant level indication
- Condensate level alarm
- Vending machines - Drinking water
- Boiler heating element protection
- Drinking water level - (WRC approved for Cold)

H=80 (35 into vessel x 78 long)
Float dia = 22
Mounting hole dia = 22.2
Max wall thickness = 10 internal, 4 external fixing

- Level rise or fall sensing (rotate float 180°)
- Suitable for a wide range of liquids
- Temperature range to 110°C
- Specific Gravity to 0.7
- Glass Filled Polypropylene
- International Standards Approvals and recognition (UL, EN, WRC)
- Side tank entry
- Internal or External fitting
- Repeatability and reliability due to Reed Switch characteristics
- Interface unit available Order Code **730-816**

	100Vdc,250Vac	Temperature Range	-30°C to +110°C
Switching voltage	100Vdc,250Vac	Temperature Range	-30°C to +110°C
Switching current	1A	Sealing Components	Silicone
Switching power	15VA	Approvals	UL, WRC
Min S.G	0.65	Cable	2 x 18AWG PVC insulated
Material	Polypropylene		

233594

Colour	Mfrs. List No.	Order Code	1+	5+	10+
Blue	RS803-51..	372-0998 ‡	932.00	818.00	715.00
Black	FRS801-51	100-6791	983.00	862.00	754.00

Horizontal Float - RSF40 Series



Internal Fitting



Compact

151-643 L=73 (overall), 60 (actuator), Mtg. hole dia=12.7
151-644 L=70 (overall), 57 (actuator), Mtg. hole dia=16.5
732-709/607-320 L=88 (overall), 55 (actuator), Mtg. hole dia=16.5
Max. vessel wall thickness=4

Standard

146-300 L=116 (overall), 94 (actuator), Mtg hole dia=12.7
Max vessel wall thickness=6

- Use to indicate either high or low levels
- Choice of materials and sizes for different applications

The units are supplied with normally open contacts, but by inverting the float bobbin the contacts become normally closed.

Liquid level float switches designed to be mounted on the side of a vessel from the inside. Contacts close when the pivoted actuator magnet comes close to the reed switch in the main body. Supplied with fixing nut and sealing ring and 1m of PVC cable.

(607-320 = 0.5m)

151-643: Compact size suitable for use with non-corrosive fluids with temperatures varying up to 100°C.

151-644: Compact size, giving a significantly longer life at sustained temperatures of 80°C to 100°C. It is also compatible with a variety of industrial chemicals.

607-320: Compact size and made from polysulfone which can be used in food grade applications. **UL** recognised.

732-709: Compact size. Material is PPS (polyphenylene sulphide). 120°C max. operating temperature, ideal for applications with continuous exposure to boiling water. Good resistance to wide range of chemicals and to water absorption. **UL** and **WRC** approval.

146-300: Standard size with higher contact rating, suitable for non-corrosive fluids and **WBAS** approved for use with drinking water, suitable for food industry equipment.

Order Code	151-643	151-644	607-320	732-709	146-300
Style	Compact	Compact	Compact	Compact	Standard
Case material	Nylon	Polypropylene	Polysulfone	PPS	Nylon
Mtg. hole dia.	12.7mm	16.5mm	16.5mm	16.5mm	12.7mm
Max. switch current	0.5A	0.5A	1A	1A	2A
Max. switch voltage	250V ac/ 300V dc	440V ac/ 1000V dc	440V ac/ 1000V dc	440V ac/ 1000V dc	250V ac/ 300V dc
Contact rating	15VA	15VA	15VA	25VA	100VA
Min SG of liquid	0.85	0.85	0.85	0.85	0.80
Temperature range °C	-20° to +75°	-20° to +100°	-10° to +85°	-10° to +120°	-20° to +75°
Case colour	Dull Black	Opaque	Shiny Black	Grey	Dull Black

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