

## RSF50 SERIES

### COMPACT INTERNAL FITTING VERTICAL



RSF50 series are compact vertically mounted devices with a single switch point. Mounting is either from the top or bottom of a tank from the inside, so requires access to the inside of the tank.

Typical applications include vending machines, printing systems and chemical dosing equipment.

These can be manufactured in a variety of plastics, with a choice of gasket materials, to suit most commonly used liquids.

The switch action may be reversed by removing the float, inverting it, then refitting to the stem.

Available with M12 x 1.75 or 1/8" NPT mounting threads.

#### Features

- Compact design
- Available in Nylon, Polypropylene, PPS & PVDF
- 25VA & 100VA versions
- Many variants are UL recognised components File No. E171218
- WRAS and NSF approved versions
- 1/8" NPT and M12 thread options

## SPECIFICATIONS

### Technical

	RSF53	RSF54	RSF58	RSF56	RSF57
<b>Material</b>	Nylon	Polypropylene WRAS approved	Polypropylene UL approved	Polyphenylene Sulphide (PPS)	Polyvinylidene Fluoride (PVDF)
<b>Colour</b>	Black	Opaque	White	Grey	Green
<b>Temp. Range</b>	°C °F	-20/+75	-20/+100	-20/+100	-10/+120*
		-4/+167	-4/+212	-4/+212	+14/+248*
<b>Min. Fluid SG</b>	0.8	0.65	0.65	0.85	0.85
<b>Must Close Level (SG=1)</b>	11.5mm	15mm	15mm	9.5mm	9.5mm
<b>Must Open Level (SG=1)</b>	22.5mm	26mm	26mm	20.5mm	20.5mm

\* Maximum temperature requires ETFE cable to be specified, otherwise +105°C.

## Electrical

		<b>25W (Y code)</b>	<b>100W (H code)</b>
<b>Contact Form</b>		N/O (N/C)	N/O (N/C)
<b>Switching Power Max</b>	VA	25	100
<b>Switching Voltage AC Max</b>	V	240	300
<b>Switching Voltage DC Max</b>	V	120	300
<b>Switching Current Max</b>	A	0.6	1

All ratings are for resistive load only.

## STANDARD PARTS

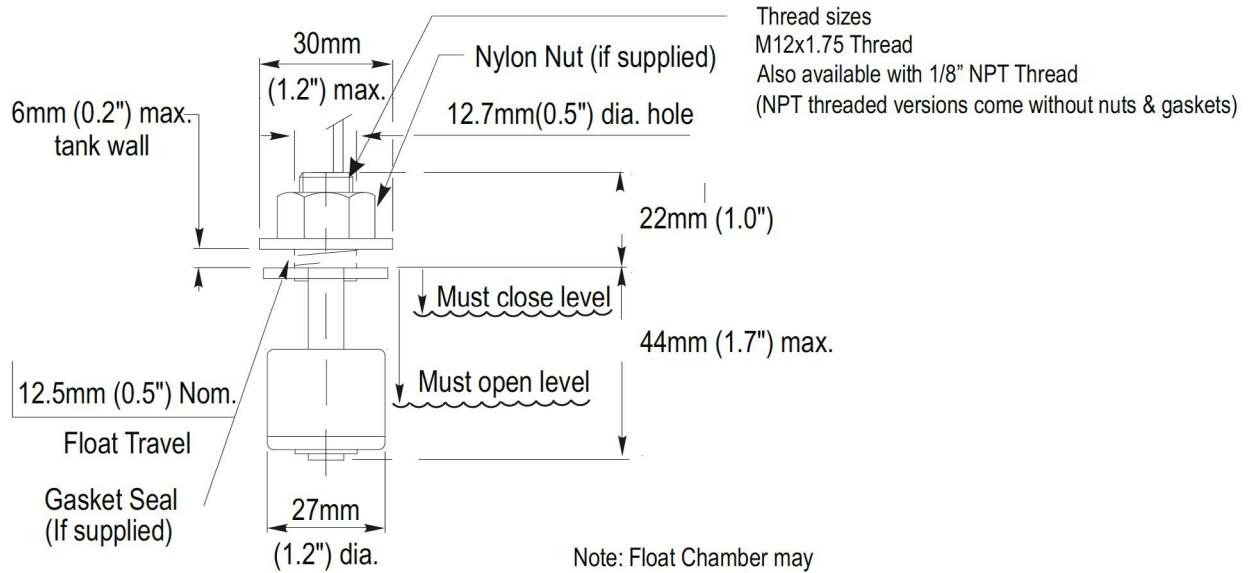
	<b>Material</b>	<b>Temp Range</b>	<b>Max Power</b>	<b>Mounting Thread</b>	<b>Leadouts</b>	<b>Gasket</b>	<b>Approvals</b>
<b>RSF53H100RC</b>	Nylon	-20°C to +75°C	100VA	M12	100cm PVC 16/0.2	Nitrile	WRAS
<b>RSF53H100R1/8</b>	Nylon	-20°C to +75°C	100VA	1/8" NPT	100cm PVC 16/0.2	N/A	WRAS
<b>RSF53Y100RC</b>	Nylon	-20°C to +75°C	25VA	M12	100cm PVC 16/0.2	Nitrile	WRAS
<b>RSF53Y100R1/8</b>	Nylon	-20°C to +75°C	25VA	1/8" NPT	100cm PVC 16/0.2	N/A	WRAS
<b>RSF54H100RC</b>	PP	-20°C to +100°C	100VA	M12	100cm PVC 16/0.2	Nitrile	WRAS & NSF
<b>RSF54H100R1/8</b>	PP	-20°C to +100°C	100VA	1/8" NPT	100cm PVC 16/0.2	N/A	WRAS & NSF
<b>RSF54Y100RC</b>	PP	-20°C to +100°C	25VA	M12	100cm PVC 16/0.2	Nitrile	WRAS & NSF
<b>RSF54Y100R1/8</b>	PP	-20°C to +100°C	25VA	1/8" NPT	100cm PVC 16/0.2	N/A	WRAS & NSF
<b>RSF56H050TB</b>	PPS	-10°C to +120°C	100VA	M12	50cm ETFE 19/0.2	Viton	UL & NSF
<b>RSF56H100RC</b>	PPS	-10°C to +105°C	100VA	M12	100cm PVC 16/0.2	Nitrile	WRAS, UL & NSF
<b>RSF56H100R1/8</b>	PPS	-10°C to +105°C	100VA	1/8" NPT	100cm PVC 16/0.2	N/A	WRAS, UL & NSF
<b>RSF56Y050TB</b>	PPS	-10°C to +120°C	25VA	M12	50cm ETFE 19/0.2	Viton	UL & NSF
<b>RSF56Y050T1/8</b>	PPS	-10°C to +120°C	25VA	1/8" NPT	50cm ETFE 19/0.2	N/A	WRAS, UL & NSF
<b>RSF56Y100TB</b>	PPS	-10°C to +120°C	25VA	M12	50cm ETFE 19/0.2	Viton	UL & NSF
<b>RSF56Y100RC</b>	PPS	-10°C to +105°C	25VA	M12	100cm PVC 16/0.2	Nitrile	WRAS, UL & NSF
<b>RSF56Y100R1/8</b>	PPS	-10°C to +105°C	25VA	1/8" NPT	100cm PVC 16/0.2	N/A	WRAS, UL & NSF
<b>RSF57H100GC</b>	PVDF	-10°C to +105°C	100VA	M12	100cm PTFE7/0.2	Nitrile	UL & NSF
<b>RSF57H100G1/8</b>	PVDF	-10°C to +105°C	100VA	1/8" NPT	100cm PTFE7/0.2	N/A	UL & NSF
<b>RSF57Y100GC</b>	PVDF	-10°C to +105°C	25VA	M12	100cm PTFE7/0.2	Nitrile	UL & NSF
<b>RSF57Y100G1/8</b>	PVDF	-10°C to +105°C	25VA	1/8" NPT	100cm PTFE7/0.2	N/A	UL & NSF
<b>RSF57H100GB</b>	PVDF	-10°C to +105°C	100VA	M12	100cm PTFE7/0.2	Viton	UL & NSF
<b>RSF57Y100GB</b>	PVDF	-10°C to +105°C	25VA	M12	100cm PTFE7/0.2	Viton	UL & NSF
<b>RSF58H100RC</b>	PP (UL)	-20°C to +100°C	100VA	M12	100cm PVC 16/0.2	Nitrile	UL
<b>RSF58H100R1/8</b>	PP (UL)	-20°C to +100°C	100VA	1/8" NPT	100cm PVC 16/0.2	N/A	UL
<b>RSF58Y100RC</b>	PP (UL)	-20°C to +100°C	25VA	M12	100cm PVC 16/0.2	Nitrile	UL
<b>RSF58Y100R1/8</b>	PP (UL)	-20°C to +100°C	25VA	1/8" NPT	100cm PVC 16/0.2	N/A	UL

Custom versions can be made for particular applications. Please contact Sensata with your requirements.



## DIMENSIONS

All dimensions are in millimeters.



Thread sizes  
 M12x1.75 Thread  
 Also available with 1/8" NPT Thread  
 (NPT threaded versions come without nuts & gaskets)

Note: Float Chamber may be inverted for alternative switch action.

Made in the UK

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Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA.

## CONTACT US

+44 (0)1202 897969  
 c3w\_sales@sensata.com  
 Cynergy3 Components Ltd.  
 7 Cobham Road,  
 Ferndown Industrial Estate,  
 Wimborne, Dorset,  
 BH21 7PE, United Kingdom