

RSF70 SERIES

COMPACT EXTERNAL FITTING VIA COMPRESSION SEAL



The RSF70 series is designed for fitting through a tank wall from the outside, where access to the inside for fitting is not possible.

Typical applications include vending machines, commercial dishwashers and auxiliary tanks on vehicles.

These are 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 mounting the device with the float able to move upwards away from the body, instead of the more normal downwards direction.

Available with either flying leads or M12 socket for electrical connection. Cable sets with M12 plugs are also available.

Features

- Compression seal fitting
- Flying Lead or M12 plug connection
- Available in Nylon, Polypropylene, PPS or PVDF
- 25VA & 100VA versions
- Many variants are UL recognised components File No. E171218
- WRAS and NSF Approved versions available

SPECIFICATIONS

Technical

| | RSF73 | RSF74 | RSF78 | RSF76 | RSF77 | |
|--------------------------------|-----------|--------------------------------|------------------------------|---------------------------------|-----------------------------------|----------|
| Material | Nylon | Polypropylene WRAS approved | Polypropylene UL approved | Polyphenylene Sulphide (PPS) | Polyvinylidene Fluoride (PVDF) | |
| Colour | Black | Opaque | White | Grey | Green | |
| Temp. Range | °C | -20/+75 | -20/+100 | -20/+100 | -10/+120* | -10/+105 |
| | °F | -4/+167 | -4/+212 | -4/+212 | +14/+248* | +14/+221 |
| Min. Fluid SG | 0.85 | 0.85 | 0.80 | 0.85 | 0.85 | |
| Must Close Level (SG=1) | 7mm | 8mm | 8mm | 9mm | 9mm | |
| Must Open Level (SG=1) | 20mm | 20mm | 20mm | 24mm | 24mm | |

* Maximum temperature requires ETFE cable to be specified.

Electrical

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

All ratings are for resistive load only.

STANDARD PARTS

| | Material | Max Power | Leadouts | Gasket | Approvals |
|--------------------|-----------------|------------------|-------------------|---------------|------------------|
| RSF73H100RN | Nylon | 100VA | 100cm PVC 16/0.2 | Nitrile | WRAS |
| RSF73Y100RN | Nylon | 25VA | 100cm PVC 16/0.2 | Nitrile | WRAS |
| RSF73Y100RM | Nylon | 25VA | 100cm PVC 16/0.2 | Silicone | WRAS |
| RSF74H100RN | Polypropylene | 100VA | 100cm PVC 16/0.2 | Nitrile | WRAS & NSF |
| RSF74Y100RN | Polypropylene | 25VA | 100cm PVC 16/0.2 | Nitrile | WRAS & NSF |
| RSF74Y100RM | Polypropylene | 25VA | 100cm PVC 16/0.2 | Silicone | WRAS & NSF |
| RSF76H050TV | PPS | 100VA | 50cm ETFE 19/0.2 | Viton | WRAS, UL & NSF |
| RSF76H100RN | PPS | 100VA | 100cm PVC 16/0.2 | Nitrile | WRAS, UL & NSF |
| RSF76Y050TV | PPS | 25VA | 50cm ETFE 19/0.2 | Viton | WRAS, UL & NSF |
| RSF76Y100TV | PPS | 25VA | 100cm ETFE 19/0.2 | Viton | WRAS, UL & NSF |
| RSF76Y100RN | PPS | 25VA | 100cm PVC 16/0.2 | Nitrile | WRAS, UL & NSF |
| RSF77Y100GN | PVDF | 25VA | 100cm PTFE 7/0.2 | Nitrile | UL & NSF |
| RSF77H100GN | PVDF | 100VA | 100cm PTFE 7/0.2 | Nitrile | UL & NSF |
| RSF77Y100GV | PVDF | 25VA | 100cm PTFE 7/0.2 | Viton | UL & NSF |
| RSF77H100GV | PVDF | 100VA | 100cm PTFE 7/0.2 | Viton | UL & NSF |
| RSF78H100RN | PP (UL) | 100VA | 100cm PVC 16/0.2 | Nitrile | UL |
| RSF78Y100RN | PP (UL) | 25VA | 100cm PVC 16/0.2 | Nitrile | UL |
| RSF73HNP | Nylon | 100VA | M12 connector | Nitrile | WRAS |
| RSF73YNP | Nylon | 25VA | M12 connector | Nitrile | WRAS |
| RSF74HNP | Polypropylene | 100VA | M12 connector | Nitrile | WRAS & NSF |
| RSF74YNP | Polypropylene | 25VA | M12 connector | Nitrile | WRAS & NSF |
| RSF76HNP | PPS | 100VA | M12 connector | Nitrile | WRAS, UL & NSF |
| RSF76YNP | PPS | 25VA | M12 connector | Nitrile | WRAS, UL & NSF |
| RSF77HNP | PVDF | 100VA | M12 connector | Nitrile | UL & NSF |
| RSF77YNP | PVDF | 25VA | M12 connector | Nitrile | UL & NSF |
| RSF77HVP | PVDF | 100VA | M12 connector | Viton | UL & NSF |
| RSF77YVP | PVDF | 25VA | M12 connector | Viton | UL & NSF |
| RSF78HNP | PP (UL) | 100VA | M12 connector | Nitrile | UL |
| RSF78YNP | PP (UL) | 25VA | M12 connector | Nitrile | UL |

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