



## YARWAY FIT100 SERIES FLOAT AND THERMOSTATIC STEAM TRAPS INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

Before installation, these instructions must be carefully read and understood.



### INSTALLATION

Install the FIT100 Series steam trap in a horizontal line with the arrow on the body pointing in the direction of flow and the arrow on the nameplate pointed upward, away from the ground.

Ensure a strainer, such as the Yarway 921, is installed upstream of the steam trap.

#### **⚠ WARNING**

*Hot discharge from this product may cause severe burns. Discharge must be piped away or directed so that persons in the vicinity are not endangered. This product must be isolated, vented and cool to the touch before repairing or inspecting.*

### MAINTENANCE

1. For the best trap operation and maximum service life, strainer screen should be cleaned frequently. This can best be done by using a blowdown valve.
2. When cleaning the strainer it is recommended that the trap be inspected and working parts cleaned if necessary. In the event of condensate drainage problems, check before opening the trap whether the trouble is due to a clogged line, valve broken, in wrong position or dirty strainer requiring blowdown.

#### **NOTE**

Any malfunction of this product must be reported to the service department. Repair made to the product by unauthorized personnel will void the warranty.

### DISASSEMBLY

1. Remove the bonnet (2) by loosening the bonnet cap screws (10).
2. Remove the float assembly (3) by loosening the screws (4).
3. Remove the orifice (5).
4. Inspect and clean all parts. If satisfactory, reassemble trap replacing the gasket (9).

### REASSEMBLY

#### **Installing Renewal Parts Kit**

1. Install the orifice (5) and gasket (6), torquing to 37 ft-lbs (50 N•m).
2. Install a new float assembly by torquing the screws (4) to 3 ft-lbs (4 N•m).
3. Attach the bonnet (2) to the body (1), torquing the bonnet cap screws (10) to 36 ft-lbs (49 N•m).
4. Attach the bucket to the valve assembly.
5. To replace the air vent, install gasket, frame and orifice, torquing to 38 ft-lbs (52 N•m).
6. Add the spacer, replace gasket and fasten the bonnet to the body.

# YARWAY FIT100 SERIES FLOAT AND THERMOSTATIC STEAM TRAPS

## INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

### PARTS ORDERING

#### VALVE RENEWAL KITS (INCLUDE ITEMS 3, 5, 6 AND 9)

Part Number	Description
RFIT100V012	½ and ¾ in. FIT120-65
RFIT100V022	½ and ¾ in. FIT120-145
RFIT100V032	½ and ¾ in. FIT120-200
RFIT100V042	1 in. FIT120-65
RFIT100V052	1 in. FIT120-145
RFIT100V062	1 in. FIT120-200
RFIT100V072	FIT130-65 and FIT140-65
RFIT100V082	FIT130-145 and FIT140-145
RFIT100V092	FIT130-200 and FIT140-200
RFIT100V102	FIT130-300 and FIT140-300
RFIT100V112	FIT130-465 and FIT140-465

#### AIR VENT RENEWAL KITS (INCLUDE ITEMS 7, 8 AND 9)

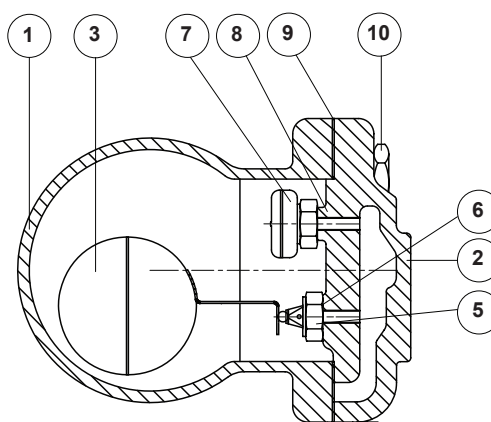
Part Number	Description
RFITVENT012	65 to 300 psi (43.5 to 20.7 bar) standard air vent
RFITVENT022	465 psi (32.1 bar) standard air vent
RFITSLR0012	SLR air vent

FIGURE 1

### PARTS LIST

Item	Qty.	Description
1	1	Body
2	1	Bonnet
3*	1	Float assembly
4	2	Float assembly screws
5*	1	Orifice
6*	1	Orifice gasket
7*	1	Air vent
8*	1	Air vent gasket
9*	1	Bonnet gasket
10	4	Bonnet cap screws

\* Recommended spare parts



# YARWAY FIT100 SERIES FLOAT AND THERMOSTATIC STEAM TRAPS

## INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

---

### **Right to know laws and OSHA standard 29CFR (1910.1200)**

Material Safety Data Sheets on the following Yarway products:  
Valves, Steam Traps and Strainers

The OSHA Hazard Communication Standard 29CFR 1910.1200, states that the standard does not apply to "articles." The standard defines an article as:

"A manufactured item formed to a specific shape or design for a particular use which does not release or otherwise expose an employee to a hazardous chemical under normal conditions of use."

The above named products fall within the definition of an "article", no Material Safety Data Sheets are available or are required. Our product is manufactured as an "end product."

If the product is a weld end the following applies.

### **WARNING**

*Materials used in manufacture of Yarway products are considered in a stable condition when shipped. However, under certain conditions purchasers could create potential hazardous conditions by their future operations.*

### **CAUTION**

*Welding, cutting, burning, machining or grinding of this product can generate toxic dust and fumes of potentially hazardous ingredients. The dust or fumes can cause irritation of the respiratory tract, nose, throat, skin and eyes. It may cause temporary or permanent respiratory disease in a small percentage of exposed individuals. Use moderate ventilation when grinding or welding. Avoid breathing dust, fumes or mist. Avoid prolonged skin contact with dust or mist. Maintain dust levels below OSHA and ACGIH levels. Use protective devices. Wash hands thoroughly after contact with dust before eating or smoking.*

---

FCIM-20087-EN © 2024, 2025 Emerson Electric Co. All rights reserved 10/25. Yarway is a mark owned by a subsidiary of Emerson Electric Co. The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are property of their respective owners.

Neither Emerson nor any of its affiliated entities assume responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use, and maintenance of any product remains solely with the purchaser and end user.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of such products at any time without notice.

Emerson.com