



## YARWAY FIT200 SERIES FLOAT AND THERMOSTATIC STEAM TRAPS INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

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



### INSTALLATION

Install the FIT200 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 casing (2) by loosening the bonnet bolts (10) and nuts (11).
2. Remove the valve assembly (3) by loosening the fasteners (4).
3. Remove the gasket (6) and on the NPS 1 (DN 25), remove the orifice (5).
4. Inspect and clean all parts. If satisfactory, reassemble trap replacing the gasket (9).

### REASSEMBLY

#### **Installing the NPS 1 (DN 25) Renewal Parts Kits**

1. Install the orifice (5) and gasket (6), torquing to 31 ft-lbs (42 N•m).
2. Install a new float assembly (3), ensuring alignment before torquing to 8 ft-lbs (11 N•m).
3. To replace the air vent (7), install the air vent gasket (8), frame and orifice, torquing to 38 ft-lbs (52 N•m).
4. Attach the casing (2) and gasket (9) to the body (1), torquing the fasteners (11 and 12) to 31 ft-lbs (42 N•m).

#### **Installing the NPS 1½ and 2 (DN 40 and 50) Renewal Parts Kits**

1. Install the new float valve assembly (3) and gasket (6), torquing the fasteners (4) to 17 ft-lbs (23 N•m).
2. To replace the air vent (7), install the air vent gasket (8), frame and orifice, torquing to 38 ft-lbs (52 N•m).
3. Attach the casing (2) and gasket (9) to the body (1), torquing the fasteners (11 and 12) to 62 ft-lbs (84 N•m).

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## INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

### PARTS ORDERING

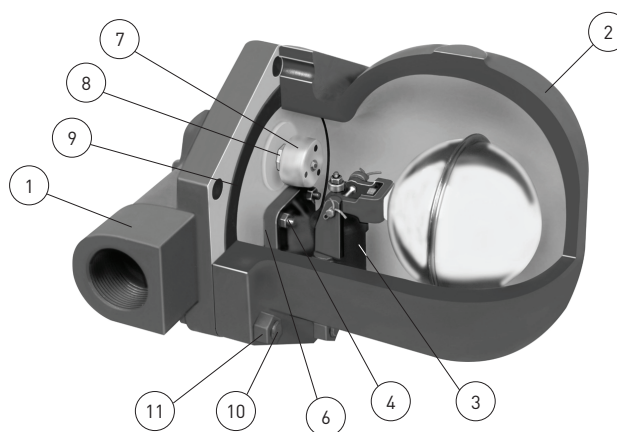
#### VALVE RENEWAL KITS (INCLUDE ITEMS 3, 5, 6 AND 9)

Part Number	Description
RFIT200V012	1" FIT220-65
RFIT200V022	1" FIT220-145
RFIT200V032	1" FIT220-200
RFIT200V042	1½" FIT220-65
RFIT200V052	1½" FIT220-145
RFIT200V062	1½" FIT220-200
RFIT200V072	2" FIT220-65
RFIT200V082	2" FIT220-145
RFIT200V092	2" FIT220-200
RFIT200V102	1" FIT230-65 and FIT240-65
RFIT200V112	1" FIT230-145 and FIT240-145
RFIT200V122	1" FIT230-200 and FIT240-200
RFIT200V132	1" FIT230-300 and FIT240-300
RFIT200V142	1" FIT230-465 and FIT240-465
RFIT200V152	1½" FIT230-65 and FIT240-65
RFIT200V162	1½" FIT230-145 and FIT240-145
RFIT200V172	1½" FIT230-200 and FIT240-200
RFIT200V182	1½" FIT230-300 and FIT240-300
RFIT200V192	1½" FIT230-465 and FIT240-465
RFIT200V202	2" FIT230-65 and FIT240-65
RFIT200V212	2" FIT230-145 and FIT240-145
RFIT200V222	2" FIT230-200 and FIT240-200
RFIT200V232	2" FIT230-300 and FIT240-300
RFIT200V242	2" FIT230-465 and FIT240-465

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

Part Number	Description
RFITVENT012	65-300 psi (43.48-20.7 bar) standard air vent
RFITVENT022	465 psi (32.1 bar) standard air vent
RFITSLR0012	1" SLR air vent
RFITSLR0022	1½" and 2" SLR air vent

FIGURE 1



### PARTS LIST

Item	Qty.	Description
1	1	Body
2	1	Casing
3*	1	Valve assembly
4	4	Valve assembly fasteners
5*	1	Orifice (NPS 1 [DN 25] only)
6*	1	Valve gasket
7*	1	Air vent
8*	1	Air vent gasket
9*	1	Body gasket
10	6	Body cap screws
11	6	Nuts

\* Recommended spare parts

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### **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.*

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