

Installation and servicing instructions

for Float-Controlled Condensate Discharge Units

RIFOMAT Type Minox-Light - Works Standard Sheet 15001, PN 16
 RIFOMAT Type Minox-Universal-G - Works Standard Sheet 1070, PN 16
 RIFOMAT Type Minox-F - Works Standard Sheet 1071, PN 16
 RIFOMAT Type Minox-Universal-G/F - Works Standard Sheet 1172, PN 25

A Installation

1. Remove plastic shipping plugs from condensate inlet and outlet.
2. Condensate flow as indicated by arrow (see fig. 1 - 4).

B Draining of Condensate Discharge Unit

1. The condensate discharge unit has to be in a depressurized condition.
2. Remove drain plug (6).

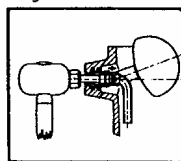
C Removal

1. Prior to the removal of the condensate discharge unit the system has to be in a depressurized condition (e.g. by opening the check valve (4)).
2. Loosen cover bolts (5) in a crosswise fashion.
The housing cover can remain connected with the vertical inlet port.
3. Unscrew lateral condensate pipe line.
4. Pull housing (3) downward.
5. If the removal of the housing (3) is not possible due to space limitation remove the entire unit from the pipe line.

D Removal of Float Control Assembly

takes place with an assembly shaft which can be supplied by us. The assembly shaft has to be screwed in 3 full turns into the thread of the support body (fig. 5). Tapping the head of the assembly shaft lightly with a mallet forces the float control assembly out of the conical seat. Lift float at the same time. Thereafter unscrew assembly shaft.

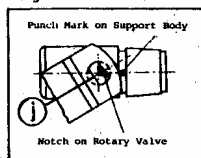
Figure 5



E Disassembly, Cleaning and Assembly of Float Control Assembly

1. After removal of cotter pin the rotary valve (j) is simply being pulled out sideways.
2. Clean with dry cleaning fluid. Check rotary valve for wear marks.
3. During assembly ensure that notch in rotary valve (j) is in line with punch mark on support body. Install rotary valve and secure with new cotter pin (fig. 6).
4. Check whether rotary valve (j) is moving freely, i.e. the float must be able to move up and down without any resistance.

Figure 6



F Installation of Float Control Assembly and Assembly of Condensate Discharge Unit

Insert the float control assembly with the support body into the conical housing seat (fig. 7). Ensure that the immersion tube always points downward. Screw the assembly shaft into the thread of the support body and tighten moderately with an open-end wrench. Thus the float control assembly will be secured in the conical seat. Loosen and unscrew the assembly shaft by turning counter-clockwise. Install housing cover (1) to housing (3) (ensure that seal (2) is properly seated in groove; if required replace seal), tighten housing bolts in a crosswise fashion.

Figure 7

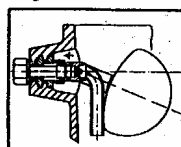
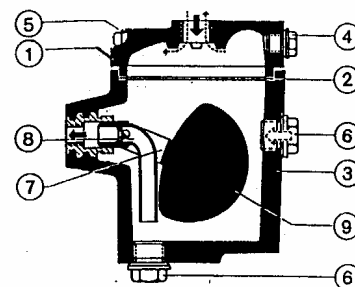


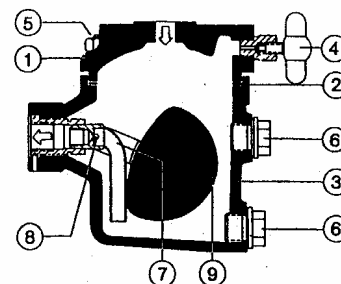
Figure 1



Type Minox-L, PN 16

Works Standard Sheet 15001

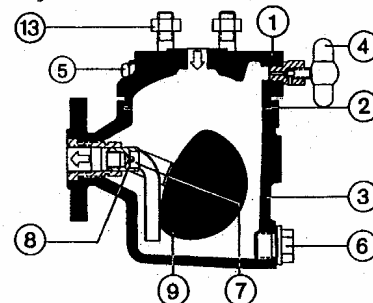
Figure 2



Type Minox-Universal-G, PN 16

Works Standard Sheet 1070

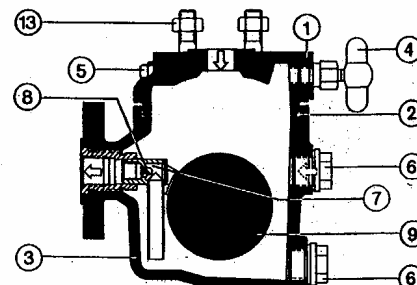
Figure 3



Type Minox-F, PN 16, DN 15

Works Standard Sheet 1071

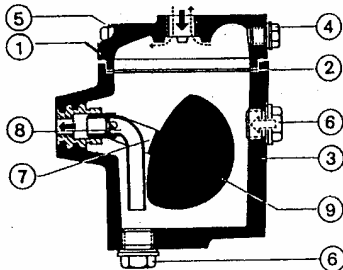
Figure 4



Type Minox-Universal-G/F, PN 25, DN

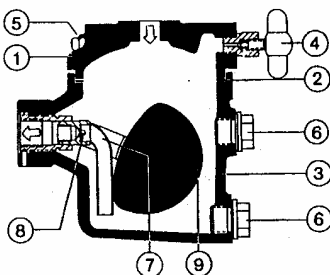
Works Standard Sheet 1172

Figure 1



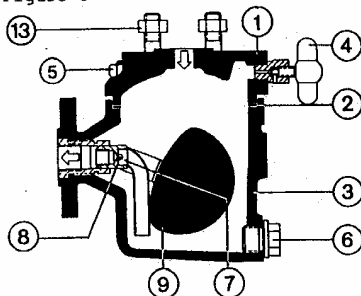
Type Minox-L, PN 16
Works Standard Sheet 15001

Figure 2



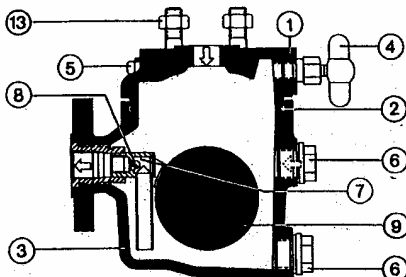
Type Minox-Universal-G, PN 16
Works Standard Sheet 1070

Figure 3



Type Minox-F, PN 16, DN 15
Works Standard Sheet 1071

Figure 4



Type Minox-Universal-G/F, PN 25, DN 15
Works Standard Sheet 1172

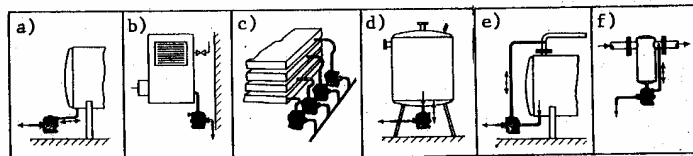
G Venting

For the float control assembly to function properly the condensate level within the condensate discharge unit has to be able to freely rise and fall. An enclosed gas bubble could in fact block the control.

For the automatic drainage of the compressed air and pressurized gas lines and containers in most instances a gas compensation to the vertical inlet port is sufficient. In the case of a high quantity condensate, of a pipe elbow in the supply line or of a horizontal flow of condensate in place of a control valve (4) or plug (4) respectively (see fig. 1 - 4) a gas compensating line has to be installed. The steel compensating line will be connected with a R 1/4" union to the cover (1) of the condensate discharge unit and inserted into the gas chamber which contains the same operating pressure (see installation example).

The same applies to steam lines but also to steam chambers if these have an individual venting capacity. For steam chambers having no individual venting, a venting has to be carried out periodically through the check valve (4) on the condensate discharge unit. If for these steam chambers an automatic venting through the condensate discharge unit is required Rifox float-controlled condensate discharge units with thermo-venting capability are available (please ask for a specific offer).

Installation Examples



H Seals

Pos. 2 : It material
Pos. 4 + 6: Metallic self-sealing