7.14.3   AIR PURGE operation
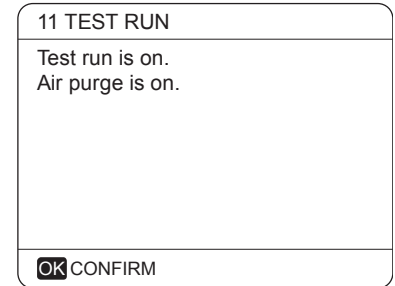**MENU > FOR SERVICEMAN > TEST RUN > AIR PURGE**

Once installation is complete it is important to run the air purge function to remove any air which may be present in the water piping and which could cause malfunctions during operation.
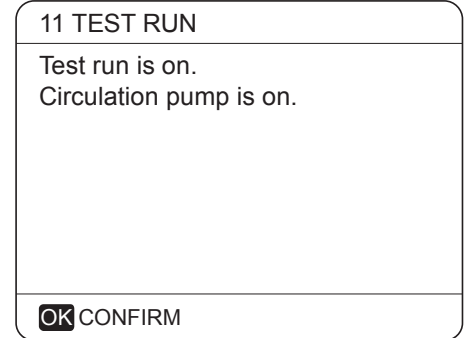
The **AIR PURGE** operation is used to remove air from the water piping. Before running AIR PURGE mode, make sure that the air purge valve is open. When the air purge operation starts, SV1 valve opens and SV2 valve closes. 60 secs later the pump in the unit (PUMPI) operates for 10min during which the flow switch does not work. After the pump stops, SV1 valve closes and SV2 valve opens. 60 secs later both PUMPI and PUMPO operate until the next command is received. If any error code is displayed during the air purge operation, the cause should be investigated. Refer to Part 3, 10 "Error Code table".

Figure 3-7.35: AIR PURGE operation

```
11 TEST RUN
─────────────────────────
Test run is on.
Air purge is on.




─────────────────────────
OK CONFIRM
```

7.14.4   CIRCULATION PUMP RUNNING operation
MENU > FOR SERVICEMAN > TEST RUN > CIRCULATION PUMP RUNNING

The **CIRCULATION PUMP RUNNING** operation is used to check the operation of the circulation pump. When the circulation pump running operation starts, all running components stop. 60 secs later, the 3-way valve opens and the 3-way valve closes. After a further 60 secs PUMPI starts. 30 seconds later, if the flow switch detects that the water flow is normal, PUMPI operates for 3 mins. After the pump stops 60s, the 3-way valve closes and the 3-way valve opens. 60s later both PUMI and PUMPO will operate. After a further 2 mins the flow switch start to check the water flow. If the water flow rate is sufficient, both PUMPI and PUMPO operate until the next command is received. If the water flow rate is insufficient over any 15-second period, PUMPI and PUMPO stop and error code E8 is displayed. Refer to Part 3, 10 "Error Code table".
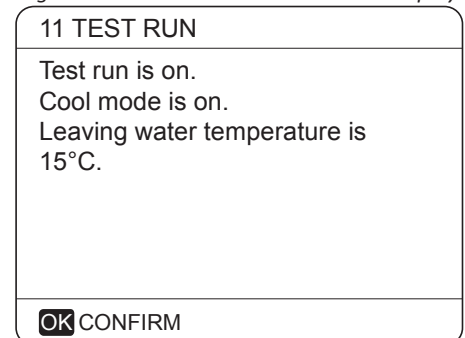
Figure 3-7.36: CIRCULATION PUMP RUNNING display

```
11 TEST RUN
─────────────────────────
Test run is on.
Circulation pump is on.




─────────────────────────
OK CONFIRM
```

7.14.5   COOL MODE RUNNING operation
MENU > FOR SERVICEMAN > TEST RUN > COOL MODE RUNNING

The **COOL MODE RUNNING** operation is used to check the operation of the system in space cooling mode.

During the **COOL MODE RUNNING** operation, the Mono unit leaving water set temperature is 7°C. The current actual leaving water temperature is displayed on the user interface. The unit operates until the leaving water temperature drops to the set temperature or the next command is received.

Figure 3-7.37: COOL MODE RUNNING display

```
11 TEST RUN
─────────────────────────
Test run is on.
Cool mode is on.
Leaving water temperature is
15°C.


─────────────────────────
OK CONFIRM
```

If any error code is displayed during the cool mode running operation, the cause should be investigated. Refer to Part 3, 10 "Error Code table".