

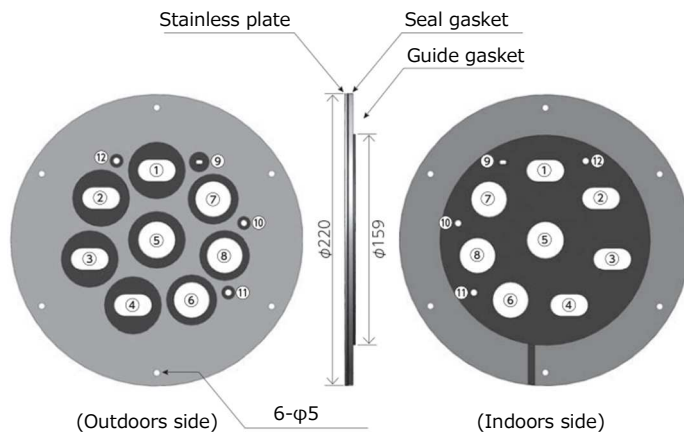
## 1. Applications and Features

Purpose	Simplified pipe penetrations for hot water heaters
Location	ALC penetration of piping for hot water heater
Features	<ul style="list-style-type: none"> <li>Multiple pipes and cables (water, gas, electricity, etc.) can be completed in a single core hole.</li> <li>The seal packing adheres tightly to various pipes and cables to prevent water intrusion. Therefore, caulking is not required.</li> </ul>

## 2. Piping and cable location

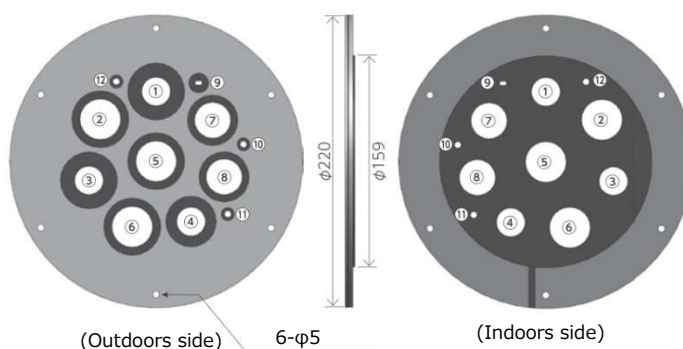
The following figure shows the location of piping and cables.

### Specification A



No.	Name	Applicable size
①	Floor heating (spare)	Sheath pipe 23.5×36(Oval)
②	Bathroom drying	Sheath pipe 23.5×36(Oval)
③	Floor heating	Sheath pipe 23.5×36(Oval)
④	Floor heating	Sheath pipe 23.5×36(Oval)
⑤	Reheating bathwater	Sheath pipe φ34
⑥	Gass	Sheath pipe φ32
⑦	Hot-water supply	Sheath pipe φ30.5
⑧	Water supply	Sheath pipe φ30.5
⑨	Power electrics	Cable VVF1.6
⑩	Weak electric current	Cable φ6.6
⑪	Weak electric current	Cable φ6.6
⑫	Weak electric current	Cable φ6.6

### Specification B



No.	Name	Applicable size
①	Floor heating (spare)	Sheath pipe φ27.5
②	Bathroom drying	Sheath pipe φ36.5
③	Floor heating	Sheath pipe φ27.5
④	Floor heating	Sheath pipe φ27.5
⑤	Reheating bathwater	Sheath pipe φ36.5
⑥	Gass	Sheath pipe φ36.5
⑦	Hot-water supply	Sheath pipe φ30.5
⑧	Water supply	Sheath pipe φ30.5
⑨	Power electrics	Cable VVF1.6
⑩	Weak electric current	Cable φ6.6
⑪	Weak electric current	Cable φ6.6
⑫	Weak electric current	Cable φ6.6

※In addition to φ 160, φ 200 and φ 100 models are also available.

**3. Inspection**

Inspection items: Visual inspection, Dimensional inspection

Frequency : Visual inspection are all products.

Dimensional inspections are sampling inspections.

**4. Notes**

- Avoid direct sunlight. Be sure to install a water heater cover or similar covering to prevent exposure to sunlight.
- If gaps are found between the seal packing and the ALC board, caulk the gap separately.
- Piping and cables must be inserted in place.  
Inserting them in the wrong places may cause gaps.