

## 7 Installation

### 7-1 Before Installation

#### (1) Required maintenance space

Refer to the figure below and Table 7-1 for required space of construction, inspection, and maintenance.

Comply with municipal fire prevention regulations regarding the minimum clearance for the equipment and the other equipment.

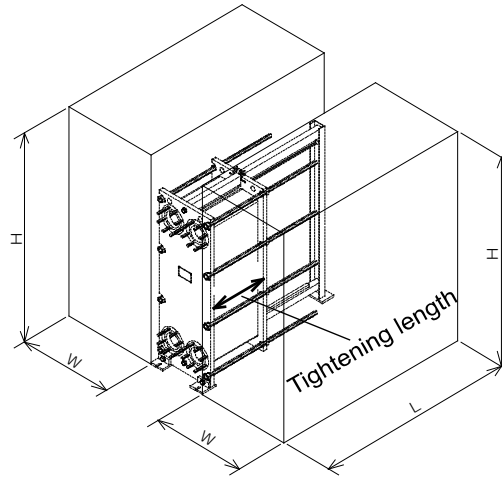


Fig. 7-1 Maintenance space

Table 7-1 Required maintenance space (Recommended)

Model		Width: W [mm]	Length: L [mm]	Height: H [mm]
Small size	UX-005/01/10, LX-00/10, CX(W)-01/10 RX-00/10, SX-10, WX-10	Recommendation 600 or more (Min. 400)	1,000 *1	1,300
Medium size	EX-11/15/16, UX-20/30/40 LX-20/30/40/50, RX-30/50 SX-20/30S/30/40, WX-50, GX-20 NX-50, FX-01/10	Recommendation 1,000 and over (Min. 800)	Full length of PHE *1	2,300 *2
Large size	UX-80/90/100(R)/110R/130(R)/160 RX-70/90, JX-600, LX-90 SX-70/80/90(S/M/L) WX-90, YX-80/83, NX-90 FX-03/05	Recommendation 1,500 and over (Min. 1,000)	Full length of PHE + 600 in front *1	Height of PHE *3
	YX-80 or YX-83 with an E-nozzle	Recommendation 1,000 and over (Min. 800)	Full length of PHE + 1,000 behind	2,300

\*1. If an inner strainer is included, consider pull-out dimensions behind PHE. For an estimation, the pull-out dimension is "tightening length + S-Frame thickness + E-Frame thickness + maintenance space" behind the E-Frame.

\*2. Recommended maintenance space is height of PHE, If the height of PHE exceeds 2300mm.

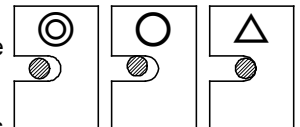
\*3. If automatic tightening device is used for PHE, extra 1,500 mm of space above PHE is required.

#### (2) Tolerance for installation

- Width clearance of foundation hole (notch): 1.0 to 1.5 mm
- Length clearance of foundation hole (notch): 10 to 15 mm

#### [NOTE]

- In case of contacting with foundation hole (notch) to foundation bolts, the tolerance for installation will be decreased.
- Refer to the "Assembly Drawing (Foundation Drawing)" for installation dimensions of foundation bolts.



### 7-2 Installation

Install PHE on a firm foundation and maintain the horizontal level.

If there is a gap between the foundation surface and the base plate, fill in the gap using liner. Fix the base plate tightly using foundation bolts or anchor bolts and nuts.