

PPSQ-51A/53A System

Pre-Installation Requirements

(Installation Preparations/Confirmation)

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1. Introduction

This pre-installation requirements document describes the preparations that need to be performed by the customer in advance of installation in order to ensure the installation process can be accomplished smoothly.

Following these guidelines will help ensure the installation remains stable and the system will provide highly reliable analytical results. It will also extend the service life of the equipment.

2. Installation Conditions

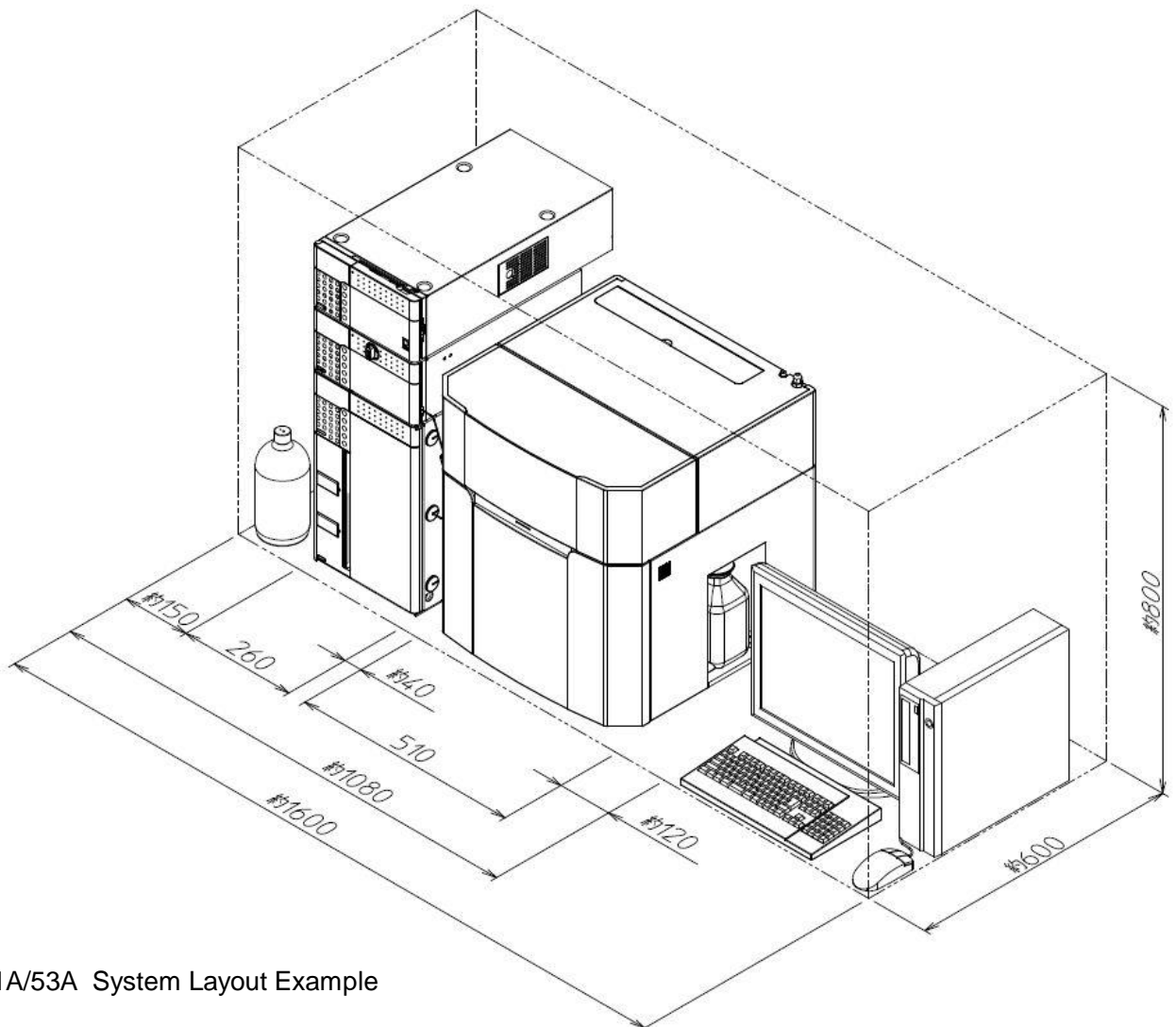
To ensure the system is used correctly and safely, always observe the installation precautions indicated below.

2.1 Installation Space

The PPSQ-51A/53A system is designed to be operated on a table or other such stand.

To provide adequate space for connecting cables or tubing to the back of the instrument, provide a stable table with a table top that is somewhat larger than the space required for the system and a height that allows performing analysis work in the sitting position (about 60 cm to 80 cm high).

A printer is not included in the example below. If the printer will be placed on the table, then make sure the table allows space for the printer as well.



PPSQ-51A/53A System Layout Example

2.2 Corrosive Gases and Dust

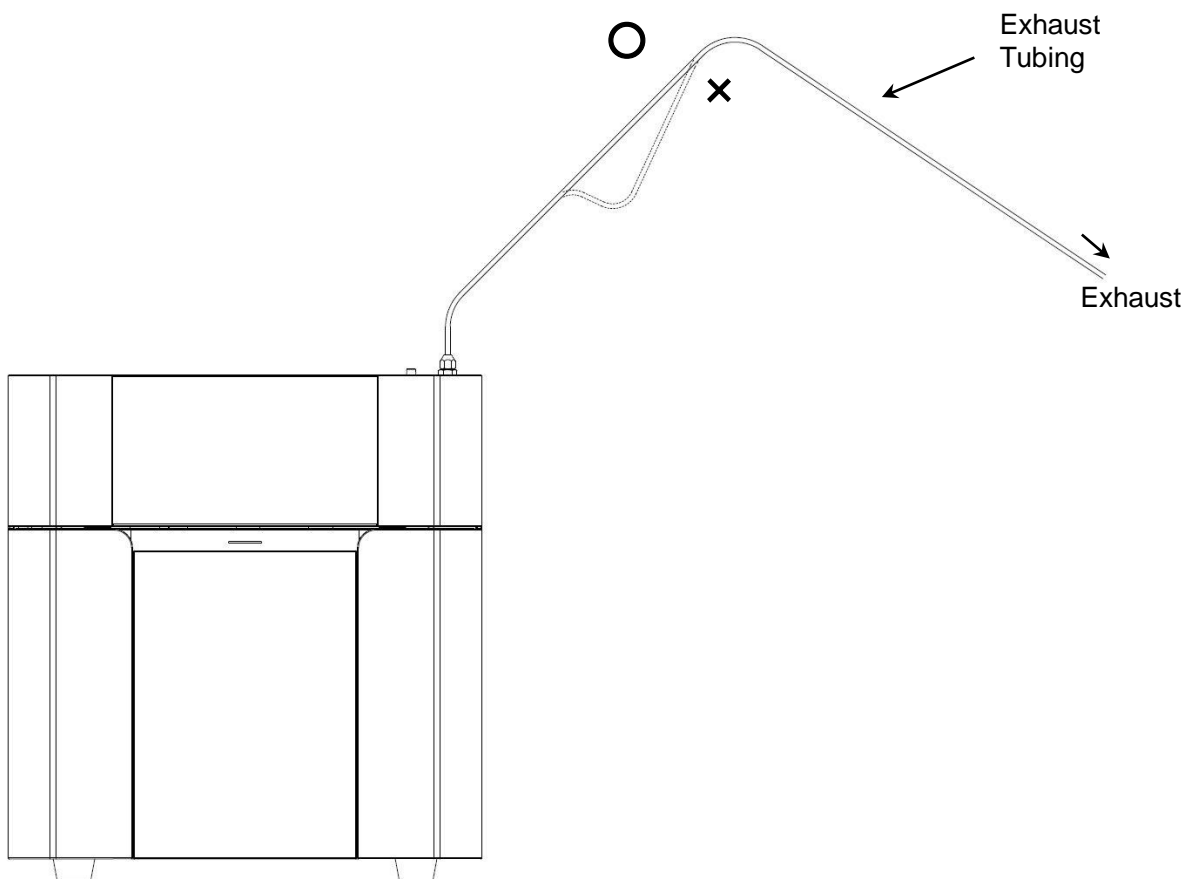
To maintain analyzer performance and service life, avoid locating the system where it is exposed to corrosive gasses or high levels of dust.

2.3 Ventilation and Flame Precautions

Flammable and toxic reagents and solvents are used in this system. Therefore, always ventilate the room where the system is installed.

Do not allow any open flames at the installation site. Also, avoid locating any equipment that generates a spark in the same room.

The exhaust tube provided with this system has an outside diameter of 6 mm. The length of an attached exhaust tube is 20m.



2.4 Electromagnetic Noise

Do not locate the instruments near any equipment that generates a strong electromagnetic field.

If the power line has a high level of noise, take measures to reduce the noise (by adding a noise filter, etc.).

2.5 Operating Environment Conditions

Ambient temperature between 17 °C and 28 °C, with minimal daily temperature variations.

Not exposed to direct air flow from heating or cooling system.

Not subject to direct sunlight.

No vibration.

Between 45% and 85% relative humidity.

2.6 Power Supply Requirements

Single-phase 120/230 V AC, 50/60 Hz, 1350 VA
Provide 3-prong power supply outlet.

2.7 Dry Weight

About 100 kgf (Without PC System)
(PPSQ main unit: 50kgf approx.)

2.8 High Pressure Gas

This system uses high pressure gas cylinders (99.9999% nitrogen gas).
Secure cylinders to prevent them from tipping over and strictly observe applicable local laws about high pressure gas control.

2.9 Personal Computer

PC is not included in PPSQ-50A system and must be prepared as local purchases.
A personal computer is necessary at installation of PPSQ-50A to control the device and data processing with PPSQ software and LabSolution.
The specification of PC needs to satisfy spec of LabSolution operates.
(Refer to latest Products News for LabSolutions.)

OS	Windows 7 Professional, English 32 bit version (and SP1)	Windows 7 Professional, English 64 bit version (and SP1) Windows 10 Pro, English/Chinese 64 bit version
CPU	Intel Core or Core 2 equivalent processor with a clock frequency of 2GHz or faster. Intel Pentium 4 or Pentium D equivalent processor with a clock frequency of 3GHz or faster.	Intel Core i5 equivalent processor with a clock frequency of 2.5GHz or faster.
RAM	2GB min.	4 GB min.
HDD	40GB min.	
LAN	100BASE-T / 100BASE-TX (Acquisition Controller : x 2-port, Client PC : x 1-port)	
Display	High Color(65536 color) min SXGA (1,280×1,024) min.	
Other Peripheral Equipment Required	Includes a drive that can read CD-ROM and DVD-ROM. *1	

3. Other Items to Prepare

3.1 Tools

- Glassware kit
- Sample Tubes (1.5 mL size is preferable)
- Pipette (1 mL and 100 µL)
- Pipette Tips (1 mL and 100 µL)
- Wiper (lint-free cloth) and Parafilm

3.2 Reagent and Consumables

- All reagents(*1) are required at installation.

Reagent	Type Name
R1 reagent	Wako Code 161-27341
R2 reagent	Wako Code 200-20021
R3 reagent	Wako Code 207-20031
R4 reagent	Wako Code 204-20041
S2 reagent	Wako Code 052-09041
S3 reagent	Wako Code 033-24371
S4B reagent	Wako Code 018-26041
Glass fiber disk	Wako Code 072-06461
WakoPak WS-PTH	Wako Code 235-63951
PTH AA mobile phase	Wako Code 168-27351
PTH-AA standard	Wako Code 165-27361
Sequa-brene	Sigma-Aldrich S2667
Apomyoglobin	Sigma-Aldrich A8673
Distilled Water	HPLC grade
2-Propanol	
Methanol	HPLC grade
Acetonitrile	HPLC grade
5mM acetic acid solution	

(*1) Certificate of analysis for myoglobin is required to prepare myoglobin sample solution for performance check at PPSQ installation. Certificate of analysis is published on the homepage of Sigma Aldrich

4. Preparation Checklist

Address:

Deliver to:

The following is a checklist of the items described above. Please submit the completed document to our installation engineer.

Customer:

Address:

TEL:

The startup kit (P/N:292-05684-93/95/96/97) used during the installation of the PPSQ-51A/53A system contains refrigerated and frozen items. Therefore, specify the date for delivery.

Arrival Date for Standard Sample Kit:

	Checklist Item	Conditions	Checked
1. Site Conditions	1-1 Temperature	17 °C to 28 °C	
	1-2 Humidity	45% RH to 85% RH	
	1-3 Installation Space Space Strength Space Behind Instrument	See Section 2.1 See Section 2.7 300 mm (min.)	
	1-4 Miscellaneous	Install where interfering element levels are low.	
2. Power Supply	2-1 Voltage Fluctuations	120/230 ±10% 50/60Hz 1350VA	
	2-2 Current Capacity		
	2-3 Power Supply Terminal	See Section 2.6.	
3. Exhaust System	Indoor Ventilation System	Exhaust system	
4 Other Items	Items prepared by customer	See Section 3	
	Maintenance and Consumable Parts	If required	
	Refrigerated and frozen reagents	Refrigerator and freezer	

文書承認履歴

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申請者コメント

COMMENT

制定・改訂理由(Established/Revised Reason) :
対応OSにWindows 10 Pro, Chinese 64bit version を追加

制定・改訂理由詳細(Detailed Established/Revised Reason) :