

# Pre-installation Manual



Rinse Gum Unit

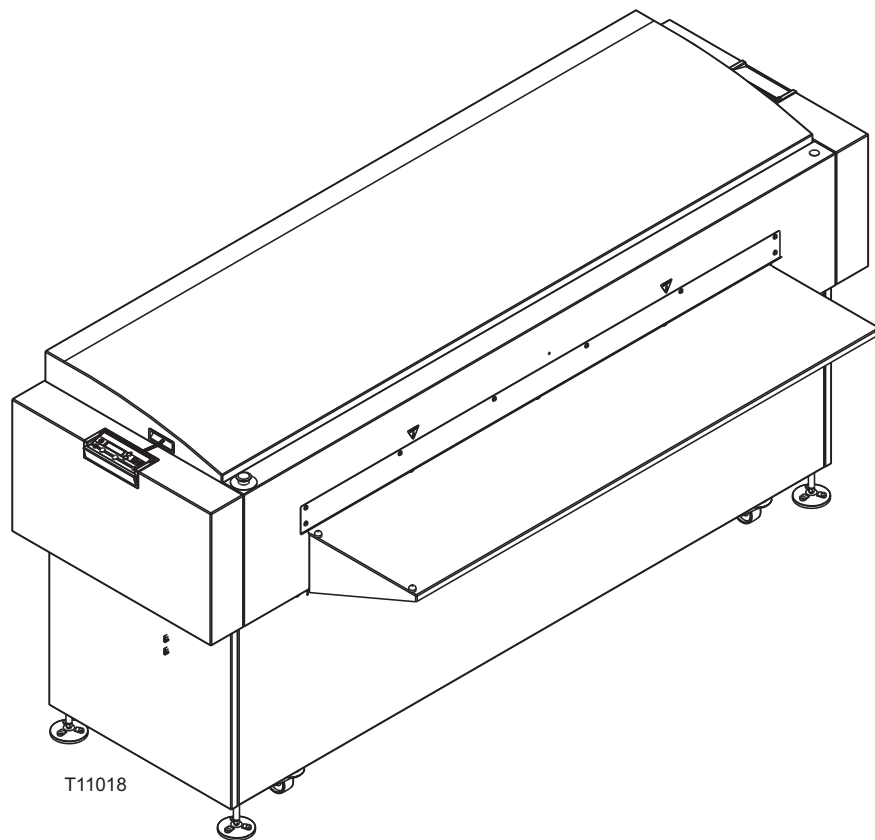
85-125-165



# Pre-installation Manual

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## Rinse Gum Unit 85-125-165



# Part 0: Introduction

This guide covers the following equipment: **Rinse Gum Unit 85**  
**Rinse Gum Unit 125**  
**Rinse Gum Unit 165**

## Reservations

- This manual was written and illustrated using the best possible information available at the time of publication.
- Any differences between this manual and the equipment reflect improvements introduced after the publication of the manual.
- Changes, technical inaccuracies and typographic errors will be corrected in subsequent editions.
- As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.

## Pre-installation instructions

The instructions in this Pre-Installation Guide allow the customer and the Service Technician to prepare the installation of the Rinse Gum Unit.






**Only qualified Service Technicians are allowed to unpack and install the equipment.**

## Notes, Cautions and Warnings !

Throughout the manual warnings, cautions, and notes are written in bold like the example below:



**Electrical installation must conform to local regulations and guidelines.**

Symbol	Meaning	Explanation
	Note	The operator should observe and/or act according to the information in order to obtain the best possible function of the equipment.
	Caution	The operator must observe and/or act according to the information in order to avoid any mechanical or electrical damage to the equipment.
	Warning	The operator must observe and/or act according to the information in order to avoid any personnel injury.

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# Part 1: Transportation

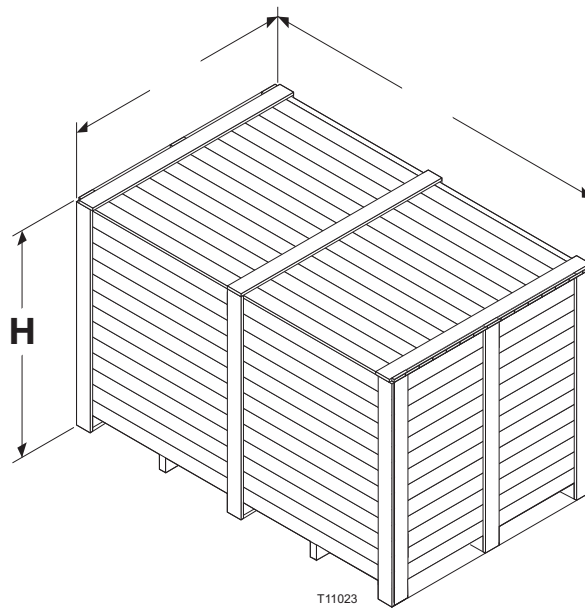
## When the Rinse Gum Unit (RGU) arrives

### Storing the RGU before installation

The crated RGU will usually be delivered some time before the arrival of the Service Technician. In such a case you should prepare an appropriate place indoors to store the crated RGU.

## The crate

### Dimensions and weight



RGU Type	85	125	165
Width (W)	1000 mm (39.4")	1000 mm (39.4")	1000 mm (39.4")
Length (L)	1895 mm (73.8")	2284 mm (89.9")	2734 mm (107.6")
Height (H)	1491 mm (58.7")	1491 mm (58.7")	1491 mm (58.7")
Weight, crated	392 kg (864 lbs)	503 kg (1109 lbs)	587 kg (1294 lbs)
Weight, without crate	262 kg (578 lbs)	353 kg (778 lbs)	412 kg (908 lbs)

## Checking the crate for damage

Check if the crate is damaged at the time of delivery.  
Take note of the damage before you allow the Service Technician to unpack the RGU.  
Provide a detailed description or take a photograph of the damage.

**Report any damage to the crate to the transport company.**

## Handling the crate

The icons on the crate indicate how to handle the crate during transport and storage:



Ensure that the side indicated by the arrows is always up.



Handle the crate with care.



Never expose the crate to water, or place it in a high-humidity area.

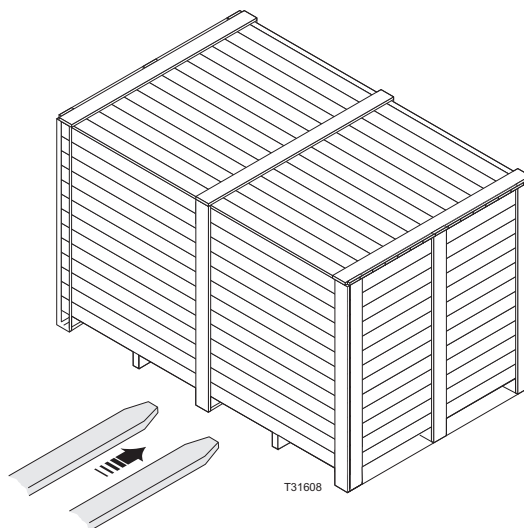


## Transporting the RGU

### Lifting the crate

To lift the crate, at least a fork-lift truck or two persons and a hand powered pallet mover are required.

**i** It is only possible to insert the forks of the fork-lift truck or pallet mover from the side as illustrated below.



### Available width for transport

Depending of the width of the door(s) through which the RGU has to be transported to the installation site, the Service Technician may have to perform the actions described in the table below:

If width of the door is...

	Then...
> 1000 mm (39.4")	No action is required as the crated RGU can be transported immediately to the installation site.
< 1000 mm (39.4") > 800 mm (31.5")	The Service Technician has to unpack the RGU.
< 800 mm (31.5")	The Service Technician has to unpack and strip down the RGU.



# Part 2: Installation requirements

## Environmental requirements

Provide a heating and ventilating system capable of maintaining room temperature between 15 and 25°C (59 and 77°F) and relative humidity on max. 80%.  
Heat emission from the RGU is max. 11900 BTU.

## Cleaning facilities

It is essential to have easy access to a sink and a water tap with hot water where rollers, guides, and brushes can be washed.

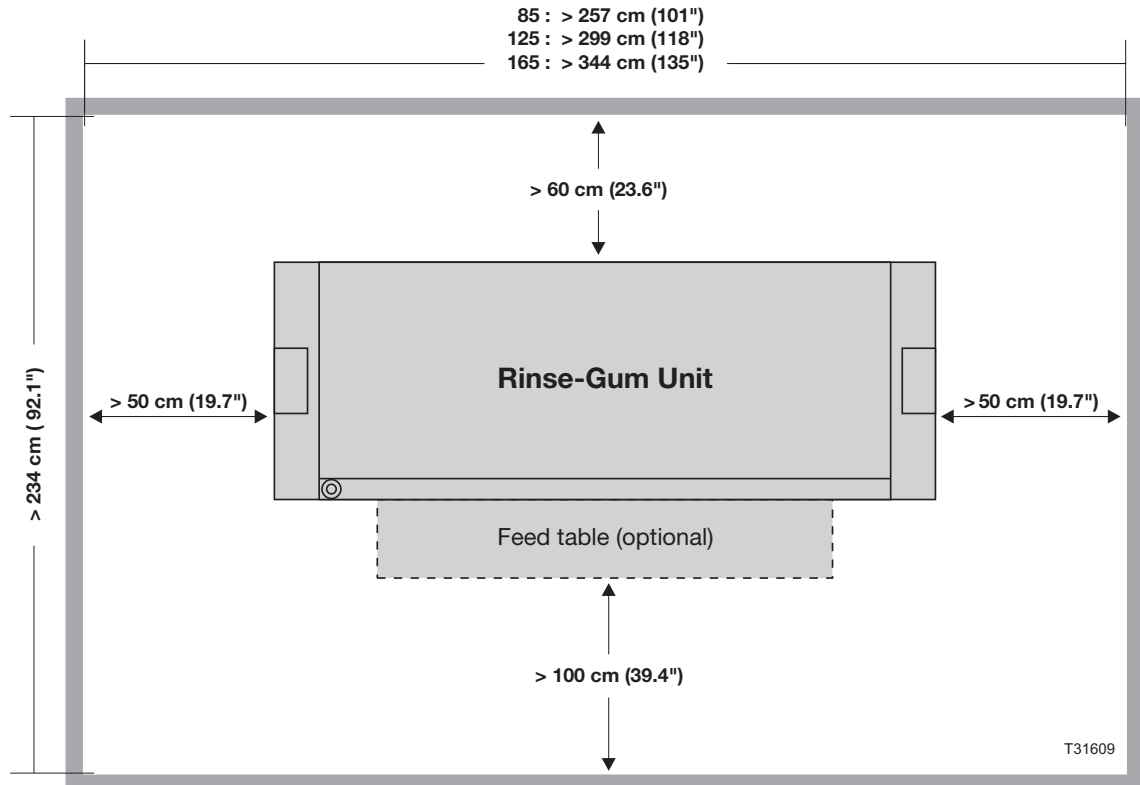
	Minimum recommended size of the sink
<b>85</b>	100 x 40 cm (39.4 x 16")
<b>125</b>	140 x 40 cm (55.1 x 16")
<b>165</b>	180 x 40 cm (70.9 x 16")

## Space requirements

### Free space around the machine

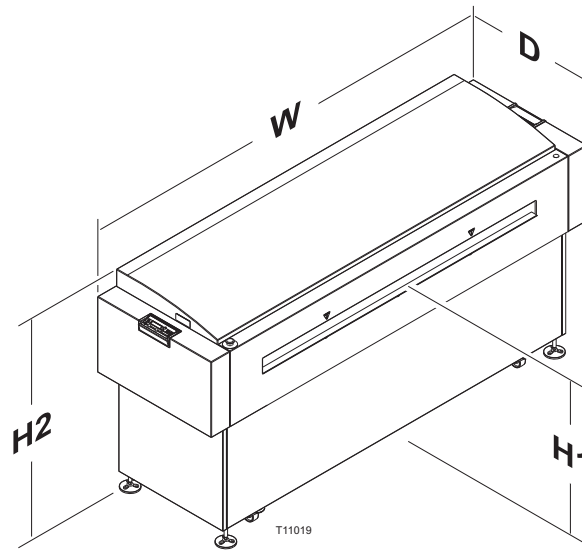
Decide where the RGU shall be placed and make sure that the free space around the machine makes servicing possible.

The recommended minimum free space around the machine is specified in the illustration below:



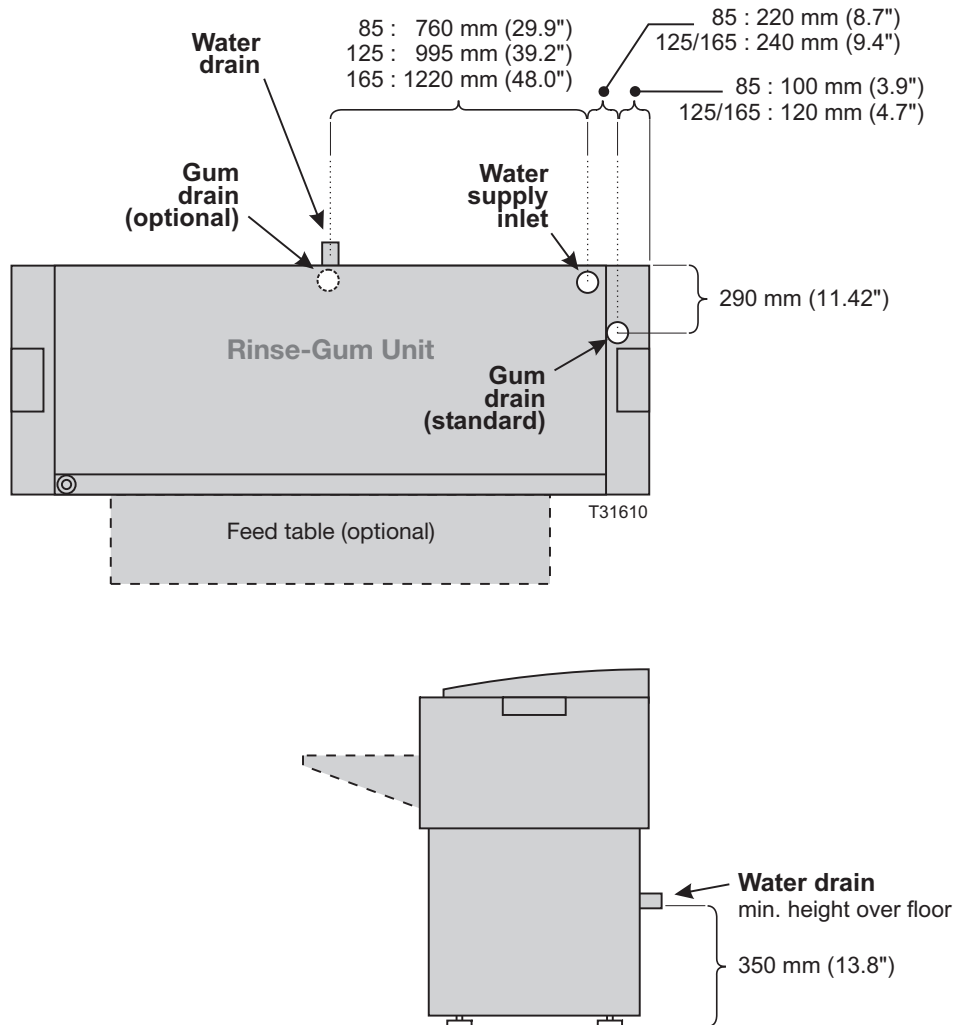
For CTP On-line RGUs the space requirements at the RGU front has to be decided separately.

## RGU Dimensions



	85	125	165
<b>W : Width</b>	156.5 cm (61.6")	199.0 cm (78.3")	244.0 cm (96.1")
<b>D : Depth</b>	74.0 cm (29.1")		
<b>D : Depth w. drain pipe</b>	79.0 cm (31.1")		
<b>H1 : Input height standard feet</b>	81.5 - 89.5 cm (32.1" - 35.2")	82.5 - 90.5 cm (32.5" - 35.6")	
<b>H2 : Total height</b>	110.6 - 118.6 cm (43.5 - 46.7")	116.9 - 124.9 cm (46.0 - 49.2")	

## Water supply and drains



Prepare the installation site for water supply and drain connections according to the illustration above. Please also refer to the RGU dimensions described earlier in this document.

### Water supply

The water supply connection is located on the rear side of the RGU. The supply water pressure must be **2 - 6 bar (29 - 87 psi)**.

### Drains

- The wash drain can be led to public drain. Refer to local regulations.
- The gum must be drained into a container and recirculated.



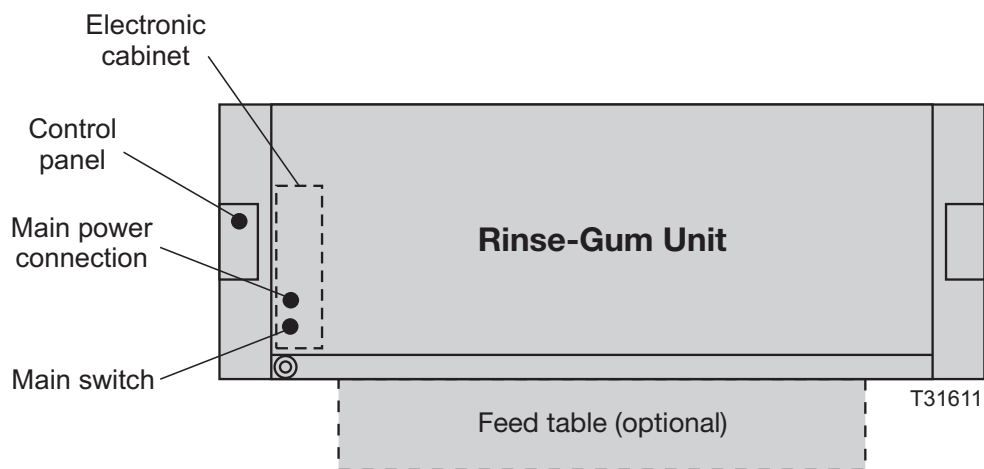
**Many countries have strong regulations regarding disposal of waste. Refer to the local regulations when making preparations for drains.**

## Electrical requirements

 Electrical installation must conform to local regulations and guidelines.

### Main power connection

The main power connection is made in the RGU's field-wiring box located on the left side of the RGU as shown in the illustration below.





### Main power outlet

Provide a main power outlet close to the installation site. The table on the next page indicates the applicable power supply types and to which RGU models they apply.

### Power cable

The cable for the main power connection is not delivered with the RGU. The table on the next side also shows recommended power supply cables.

 When deciding what type of cable to use take into account the chemical resistance (chemicals may leak onto cable) and the mechanical resistance (operator may step onto cable).  
The conductors in the power supply cable should be of copper.  
Provide for additional cable protection, e.g. cable covers, if cable is exposed to heavier transport such as fork-lift trucks etc.

 The RGU is Class 1 equipment. Therefore, the RGU must be connected to earth to avoid electrical shocks.  
Please be aware of double pole/neutral fusing.

## Power Supply

	Supply/Fuse	Recom. cable type	85	125	165
EUR	1W + N + PE 230V AC, 1x10 Amps, 50/60 Hz	Min. 3 x 1.5 mm <sup>2</sup> , type H07 RNF	●		
	3W + N + PE 400V AC, 3x10 Amps, 50/60 Hz	Min. 5 x 1.5 mm <sup>2</sup> , type H07 RNF	●	●	●
US	2W + PE 230V AC 2x10 Amps, 50/60 Hz	Min. 3 x 14 AWG, type SJO	●		
	2W + PE 230V AC 2x20 Amps, 50/60 Hz	Min. 3 x 14 AWG, type SJO		●	●
	3W + PE 230V AC 3x10 Amps, 50/60 Hz	Min. 4 x 14 AWG, type SJO	●		
	3W + PE 230V AC 3x20 Amps, 50/60 Hz	Min. 4 x 14 AWG, type SJO		●	●
JAP	2W + PE 200V AC 2x10 Amps, 50/60 Hz	Min. 3 x 14 AWG, type *	●		
	2W + PE 200V AC 2x15 Amps, 50/60 Hz	Min. 3 x 14 AWG, type *		●	●
	3W + PE 200V AC 3x10 Amps, 50/60 Hz	Min. 4 x 14 AWG, type *	●		
	3W + PE 200V AC 3x15 Amps, 50/60 Hz	Min. 4 x 14 AWG, type *		●	●
<b>All</b>	Voltage tolerance	+10% / -10%	●	●	●

\*) Power cord must be in accordance with local regulations.

## Fuses



The fuses must have a breaking capacity of min. 100kA.

If using automatic circuit breakers make sure that they are Type D.



# Part 3: Pre-installation check list

Please ask the customer to answer the following questions in order to ensure a trouble-free installation of the RGU:

- 1. Delivery of the crate and transport to the installation site** **YES NO**
- A. Is there a place indoors where the packing box can be stored temporarily?
  - B. Is there a hand-powered pallet mover, a fork-lift truck or any other lifting device available?
  - C. Can the crate be transported directly to the installation site?  
*See minimum width specifications on page 7.*
  - D. Is it sufficient to unpack the RGU before it is transported to the installation site?  
*See minimum width specifications on page 7.*
  - E. Are there other factors (stairs, elevators, corners, obstacles, etc.) which should be taken into account when transporting the crate or RGU?
- If so, explain: .....
- .....
- .....
- .....

## 2. Power supply

- A. Make a note of the present supply specifications:
 

No. of Phases .....	Voltage .....	V	Fused by .....	Amps
Neutral Wire? .....	Earth Wire? .....		Frequency .....	Hz
- YES NO**
- B. Has a connection box been provided to connect the RGU to the mains?
  - C. Is the customer aware that he/she should provide (or order) all supplies (cables, fuses, etc.) necessary to connect the RGU to the mains?
  - D. Is there a house electrician available?
  - E. Are there any known problems in the building where the RGU will be installed?
- If so, explain: .....
- .....
- .....
- .....

**3. Water supply and drain****YES NO**

- |  |                          |                          |
|--|--------------------------|--------------------------|
| A. Capacity of air condition/ventilation adequate with regard to BTU max. 11900? | <input type="checkbox"/> | <input type="checkbox"/> |
| B. Can a hose 3/4" BSP be connected to the water supply tap?                     | <input type="checkbox"/> | <input type="checkbox"/> |
| C. Is there a large sink (with hot water) for cleaning the equipment?            | <input type="checkbox"/> | <input type="checkbox"/> |
| D. Will the RGU be connected to a local waste treatment system?                  | <input type="checkbox"/> | <input type="checkbox"/> |
| E. Is the tap water temperature adjustable? (If recommended by plate supplier).  | <input type="checkbox"/> | <input type="checkbox"/> |
| F. Does the supply water pressure lie between 2 and 6 bar (29 and 87 psi)?       | <input type="checkbox"/> | <input type="checkbox"/> |
| G. Availability of warm water for cleaning of the RGU?                           | <input type="checkbox"/> | <input type="checkbox"/> |

**4. Need for accessories**

- |  |                          |                          |
|--|--------------------------|--------------------------|
| A. Remark the input height of the Rinse Gum Unit. Is there a need for leg extenders? | <input type="checkbox"/> | <input type="checkbox"/> |
|--|--------------------------|--------------------------|

**5. Disposition of the various supplies and equipment on the installation site:**