

4. General Requirements For The Installation Site

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%.

Cleaning facilities

It would be convenient to have easy access to a water tap and a sink where rollers, guides, and brushes can be washed.

The minimum recommended size of the sink is:

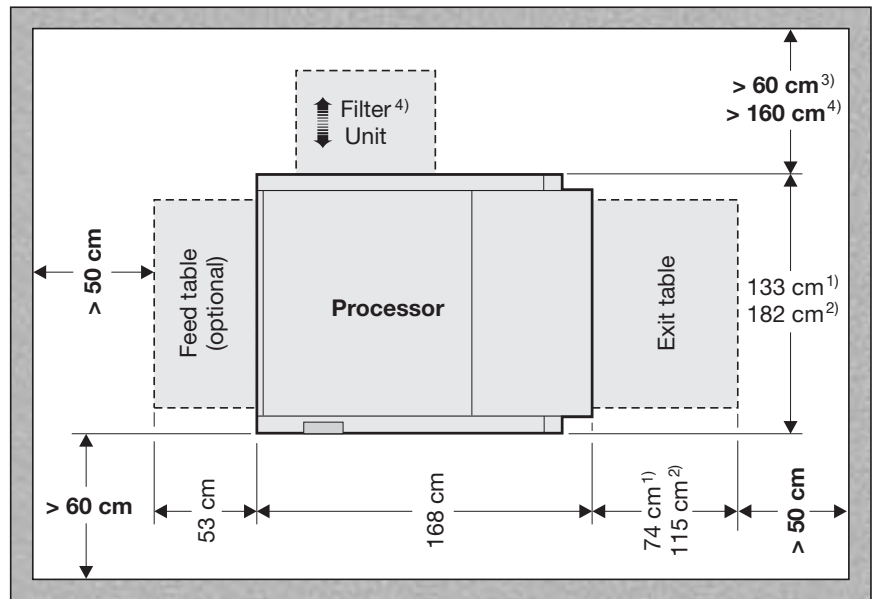
85 cm processors: 150 x 40 cm (60 x 16")

135 cm processors: 200 x 40 cm (80 x 16")

Space requirements

Decide where the processor 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:



- 1) 85 cm processors
- 2) 135 cm processors

- 3) Conventional processors
- 4) Silver processors



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

Water supply and drain requirements

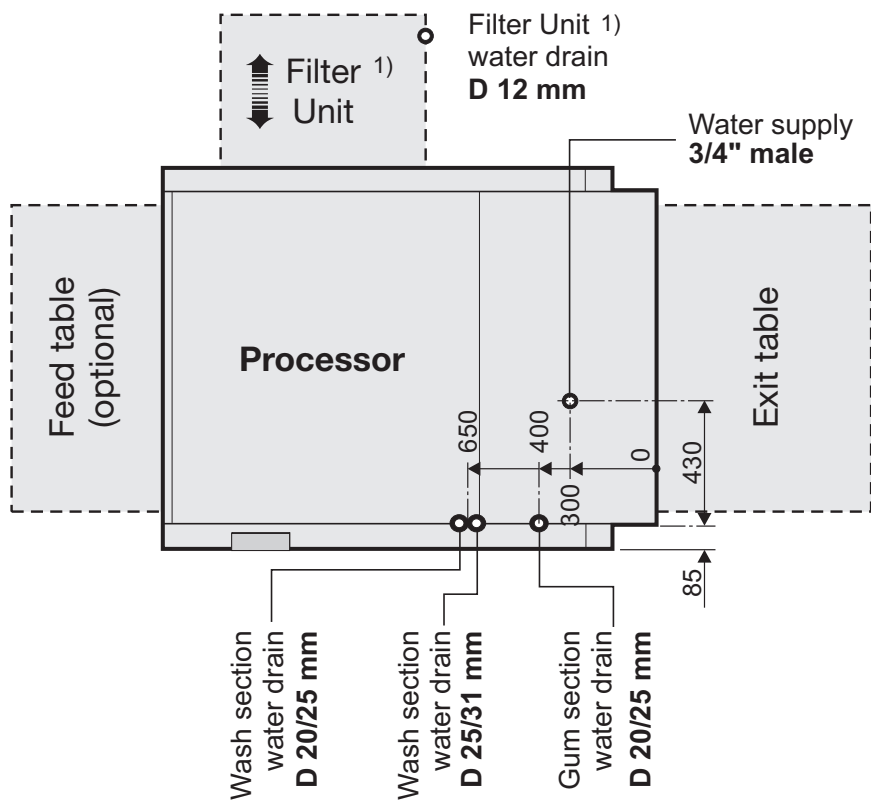
The water supply and drain connections are located underneath the processor as illustrated below.

Water supply:

The supply water pressure must be **1 - 6 bar (15 - 87 psi)**.

Drains:

The waste water should be led to a drain.



¹⁾ Silver processors



All drain hoses must have a positive fall from the processor to the drain.



Never lead drain hoses from the developer section into a drain, as most developer solutions are strong pollutants and it is strictly forbidden to empty this type of chemicals into the public sewer system.

In any case the local regulations applying to the treatment of (chemical) waste must be followed strictly.

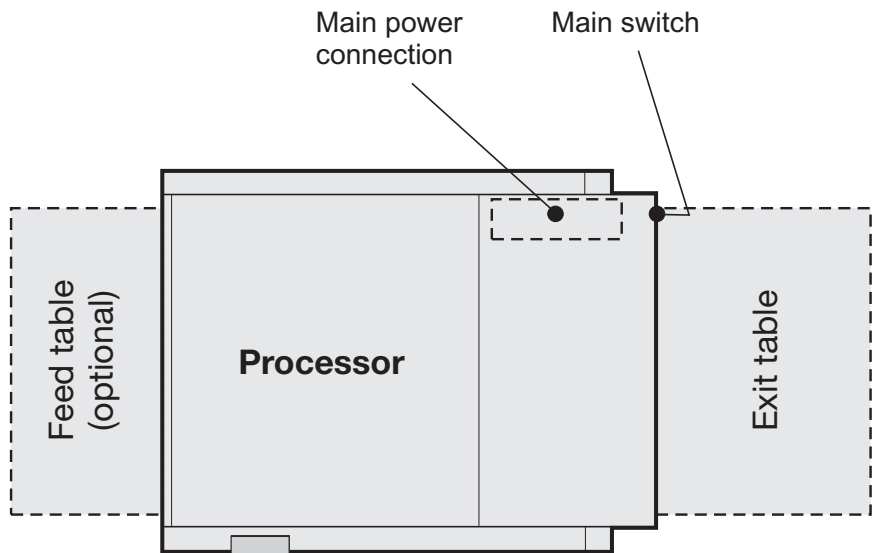
5. Requirements For Power Supply



Electrical installation must conform to local regulations and guidelines.

Main power connection

The main power connection must be made in the processor's field-wiring box located underneath the processor in the rear left corner (see illustration below).



Supplies

The cable and fuses for the main power connection is not delivered with the processor.

Main power outlet

Provide a main power outlet close to the installation site. The table below indicates the applicable power supply types and to which processor models they apply:

	Supply/Fuse	85 Silver	85 Conv.	135 Conv.
EUR	N~230V / 1x25 Amps		●	●
	2N~400V / 2x16 Amps		●	●
	3N~400V / 3x16 Amps	●	●	●
JAP	Single Phase 200V / 2x30 Amps		●	
	3 Phases 200V / 3x30 Amps	●	●	
	3 Phases 200V / 3x40 Amps			●
US	Single Phase 230V / 2x30 Amps		●	
	3 Phases 230V / 3x30 Amps	●	●	
	3 Phases 230V / 3x40 Amps			●



The processor is Class 1 equipment. Therefore, the processor must be connected to earth to avoid electrical shocks.

Fuses



The fuses must have a breaking capacity of min. 100kA. If using automatic circuit breakers make sure that they are Type D.

Power supply cable



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.

EUR-models:

Supply/Fuse	Recommended Cable Type
N ~ 230V / 1 x 25 Amps	Min. 3 x 4 mm ² , type H07 RNF
2N ~ 400V / 2 x 16 Amps	Min. 4 x 1.5 mm ² , type H07 RNF
3N ~ 400V / 3 x 16 Amps	Min. 5 x 1.5 mm ² , type H07 RNF

US/JAP-models:

Supply/Fuse	Recommended Cable Type
Single Ph. 200V / 2 x 30 Amps (JAP)	Min. 3 x 10 AWG, type SJO
Single Ph. 230V / 2 x 30 Amps (US)	
3 ph. 200V / 3 x 30 Amps (JAP)	Min. 4 x 8 AWG, type SJO
3 ph. 230V / 3 x 30 Amps (US)	
3 ph. 200V / 3 x 40 Amps (JAP)	
3 ph. 230V / 3 x 40 Amps (US)	