RAYPA

Food Analysis

FIBRE EXTRACTOR
F-6P

F-6P & EF-6P - INSTALLATION GUIDE

Information to consider before installing your RAYPA equipment.

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F-6P

ELECTRICAL CONNECTION

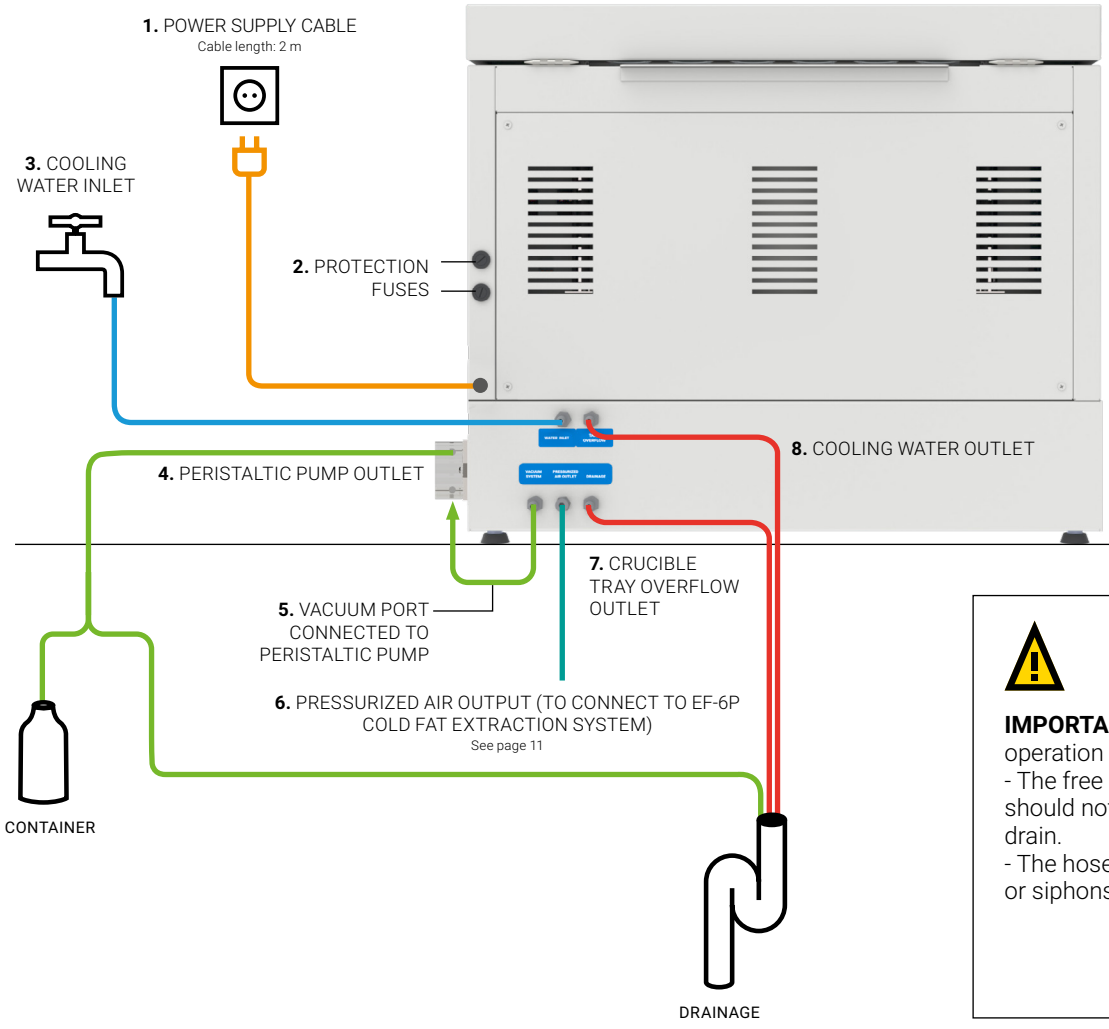
The following table shows the plug configuration according to international IEC and SCHUKO standards for most European Union and LATAM countries. For customers requiring other plugs and other electrical configurations, please contact our technical team at raypa@raypa.com.

MODELS	FREQUENCY	POWER	VOLTAGE	CONNECTION
F-6P	50/60 Hz	1280 W	230 (1P+N+E) V	16 A ❶
F-6P-115V	50/60 Hz	1280 W	120 (1P+N+E) V	16 A ❶

❶

16 A

CONNECTIONS GRAPH



IMPORTANT for the correct operation of the equipment:
- The free ends of the hoses should not be submerged in the drain.
- The hoses must not have kinks or siphons.

F-6P

COOLING WATER SUPPLY

Decalcified water is required for cooling the equipment. Connect the COOLING WATER INLET (**3**) with the supplied hose* to a decalcified water supply.

The water used for cooling should have a temperature equal to or lower than 25ºC.

*See section of included components for more information on the technical characteristics of this hose.

DRAINAGE CONNECTIONS

Connect the COOLING WATER OUTLET (**8**) of the unit with the supplied hose* and secure it with the supplied hose. Lead the other end to a drain.

Connect the CRUCIBLE TRAY OVERFLOW OUTLET (**7**) of the unit with the supplied hose*. Lead the other end to a drain.

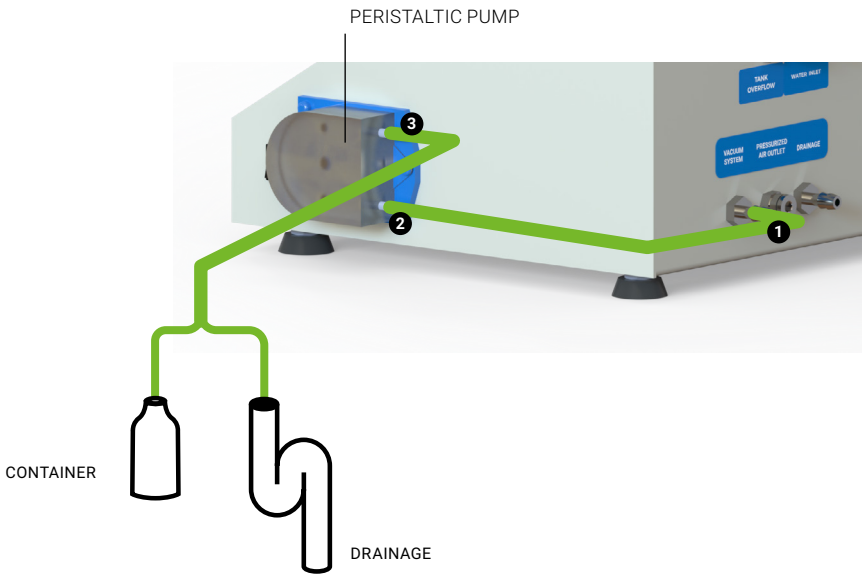
Connect the PERISTALTIC PUMP OUTLET (**4**) of the peristaltic pump of the unit with the supplied hose*. Lead the other end to a drain or to a container if the solvent is to be recovered.

*See section of included components for more information on the technical characteristics of these hoses.

PERISTALTIC PUMP CIRCUIT

The hose that connects ❶ y ❷ is already installed.

The supplied black Viton® hose must be connected from the point ❸ and routed to a solvent recovery container or to the drainage.



F-6P

INCLUDED COMPONENTS

3 transparent silicone hoses of Ø8 x Ø14mm and 1m long with *press-fit* connection (3 clamps are included) to connect to the equipment and, at the other end, to the drain and to the mains water tap.

For:

3. COOLING WATER INLET(secure the hose at both ends with the clamps provided).

7. CRUCIBLE TRAY OVERFLOW OUTLET

8. COOLING WATER OUTLET (fix the hose to the outlet of the equipment with a clamp included).

1 black Viton® hose of Ø6 x Ø9mm and 1m long with *press-fit* connection to connect to the peristaltic pump and lead to a container or a drain.

For:
4. PERISTALTIC PUMP OUTLET

6 Pyrex® glass crucibles of P2 porosity.

1 stainless steel clamp for an individual handling of crucibles.

1 stainless steel clamp for simultaneous handling of 6 crucibles.

1 stainless steel rack for crucibles.

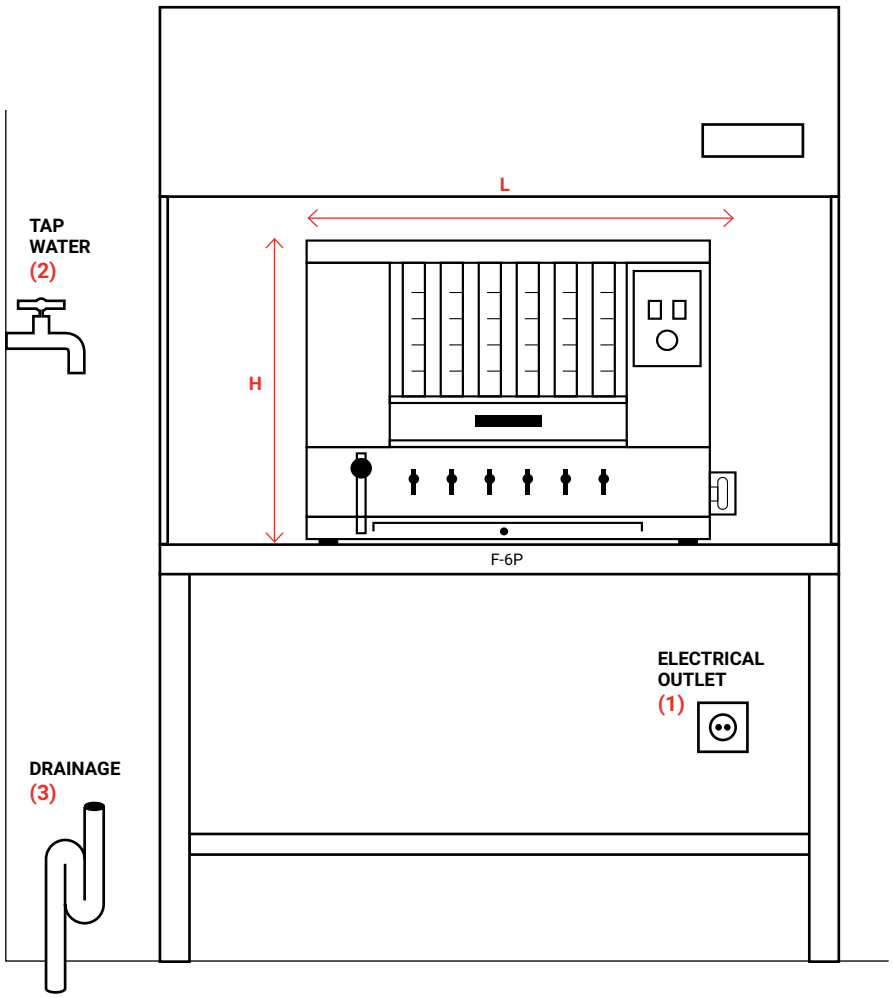
FIBRE EXTRACTOR
F-6P

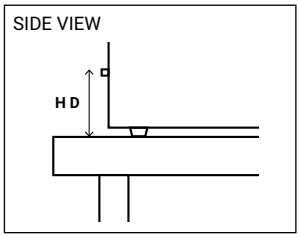
F-6P

DIMENSIONS TO CONSIDER FOR THE INSTALLATION OF YOUR EQUIPMENT

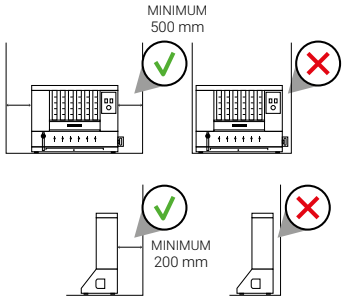
The equipment shall be placed on a stable, flat, level surface suitable for the weight of the equipment, ideally always inside a laboratory laminar flow cabinet. At a distance of less than 1500mm, a water supply, a drain and an electrical outlet must be provided. For safety reasons, the distance between both sides of the equipment and the wall or any other object must be 500mm and between the equipment and the rear wall it must be at least 200mm. Do not place containers, chemicals or other devices behind the equipment.

MODEL	L LENGTH	D DEPTH	H HEIGHT	HD DRAINAGE HEIGHT
F-6P	724 mm	330 mm	580 mm	136 mm





WARNING:
Respect the recommended distances



ENVIRONMENTAL CONDITIONS

This equipment is prepared to operate under the following maximum conditions:

- Ambient temp.: 5 to 40ºC
- Humidity: 30 to 80%

F-6P + EF-6P

ELECTRICAL CONNECTION

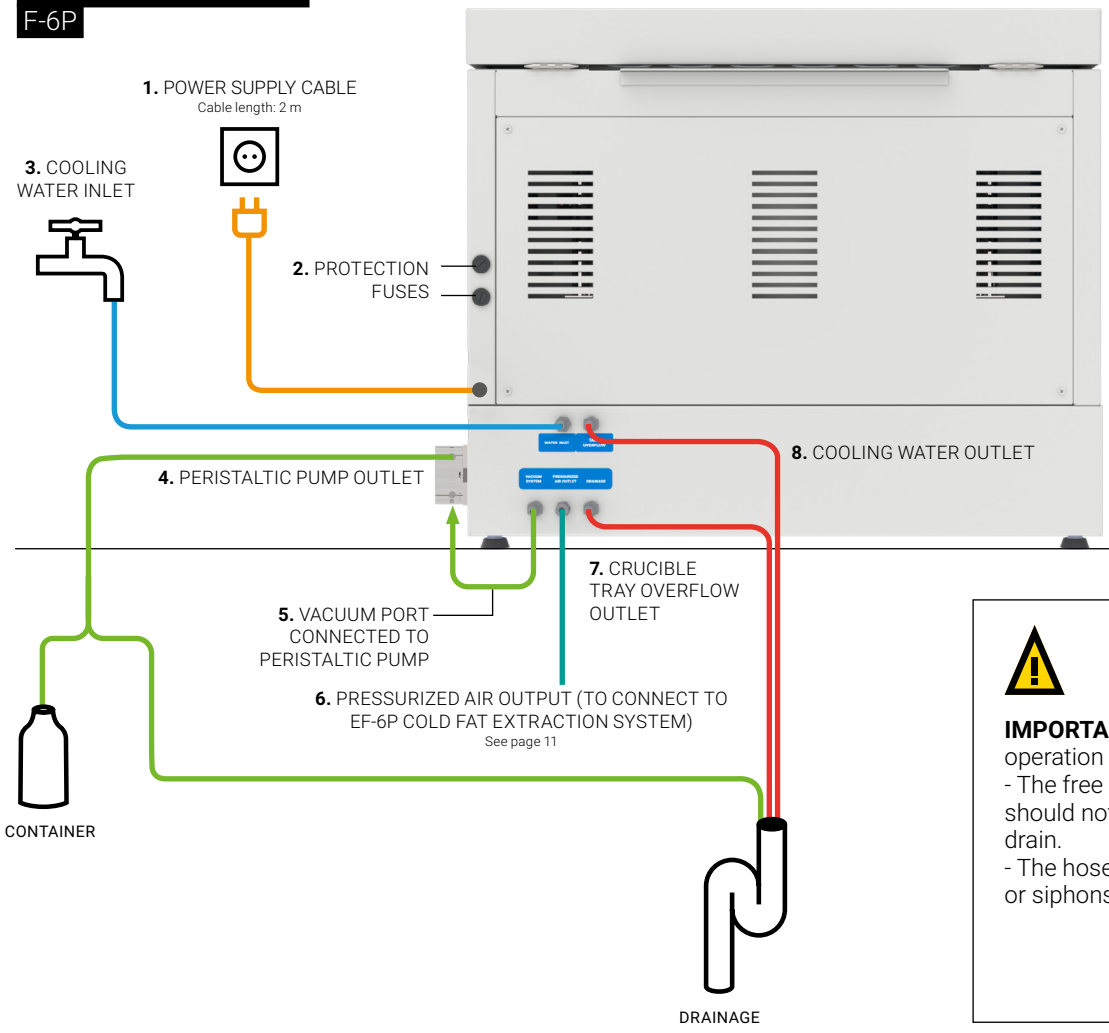
The following table shows the plug configuration according to international IEC and SCHUKO standards for most European Union and LATAM countries. For customers requiring other plugs and other electrical configurations, please contact our technical team at raypa@raypa.com.

MODELS	FREQUENCY	POWER	VOLTAGE	CONNECTION
F-6P	50/60 Hz	1280 W	230 (1P+N+E) V	16 A (1)
F-6P-115V	50/60 Hz	1280 W	120 (1P+N+E) V	16 A (1)
EF-6P	50/60 Hz	30 W	230 (1P+N+E) V	16 A (1)
EF-6P-115V	50/60 Hz	30 W	120 (1P+N+E) V	16 A (1)

(1)

16 A

CONNECTIONS GRAPH
F-6P



IMPORTANT for the correct operation of the equipment:
- The free ends of the hoses should not be submerged in the drain.
- The hoses must not have kinks or siphons.

F-6P + EF-6P

COOLING WATER SUPPLY
F-6P

Decalcified water is required for cooling the equipment. Connect the COOLING WATER INLET (**3**) with the supplied hose* to a decalcified water supply.

The water used for cooling should have a temperature equal to or lower than 25ºC.

*See section of included components for more information on the technical characteristics of this hose.

DRAINAGE CONNECTIONS
F-6P

Connect the COOLING WATER OUTLET (**8**) of the unit with the supplied hose* and secure it with the supplied hose. Lead the other end to a drain.

Connect the CRUCIBLE TRAY OVERFLOW OUTLET (**7**) of the unit with the supplied hose*. Lead the other end to a drain.

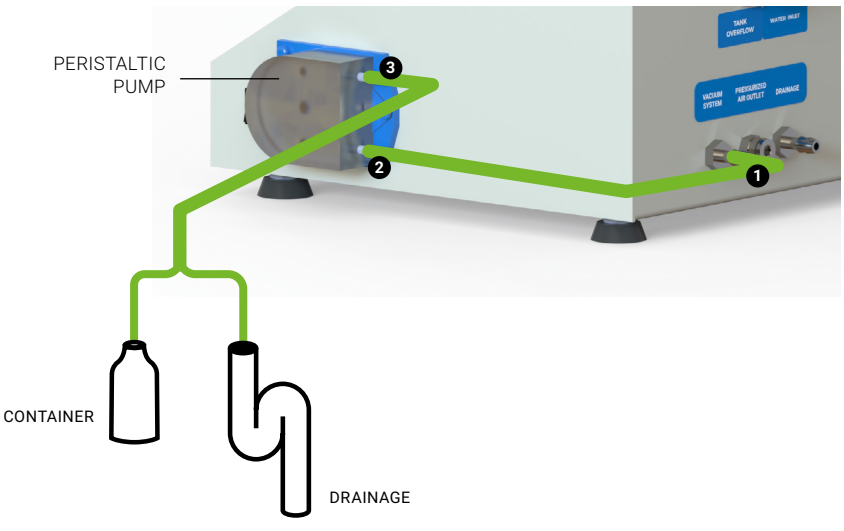
Connect the PERISTALTIC PUMP OUTLET (**4**) of the peristaltic pump of the unit with the supplied hose*. Lead the other end to a drain or to a container if the solvent is to be recovered.

*See section of included components for more information on the technical characteristics of these hoses.

PERISTALTIC PUMP CIRCUIT
F-6P

The hose that connects the points ❶ y ❷ is factory installed on the equipment.

The supplied black Viton® hose must be connected from the point ❸ and routed to a solvent recovery container or drain.



F-6P + EF-6P

INCLUDED COMPONENTS
F-6P

3 transparent silicone hoses of Ø8 x Ø14mm and 1m long with *press-fit* connection (3 clamps are included) to connect to the equipment and, at the other end, to the drain and to the mains water tap.

For:

3. COOLING WATER INLET(secure the hose at both ends with the clamps provided).

7. CRUCIBLE TRAY OVERFLOW OUTLET

8. COOLING WATER OUTLET (fix the hose to the outlet of the equipment with a clamp included).

1 black Viton® hose of Ø6 x Ø9mm and 1m long with *press-fit* connection to connect to the peristaltic pump and lead to a container or a drain.

For:
4. PERISTALTIC PUMP OUTLET

6 Pyrex® glass crucibles of P2 porosity.

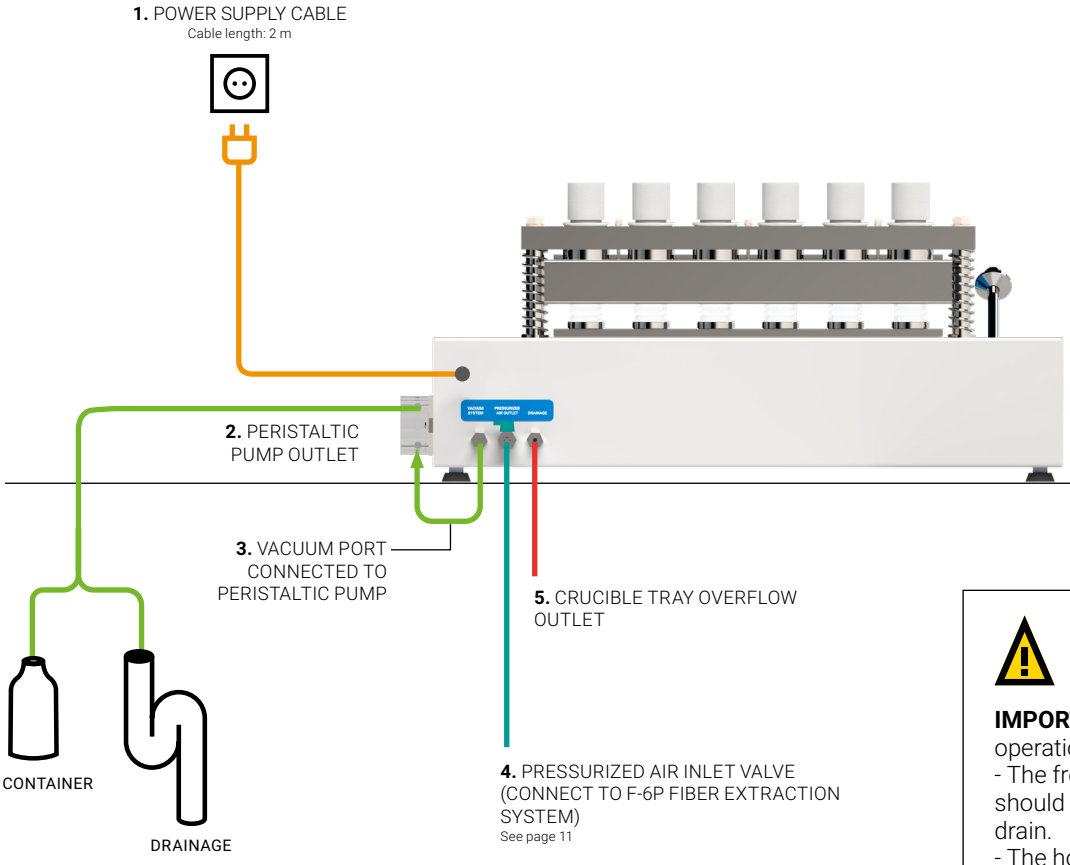
1 stainless steel clamp for an individual handling of crucibles.

1 stainless steel clamp for simultaneous handling of 6 crucibles.

1 stainless steel rack for crucibles.

F-6P + EF-6P

CONNECTIONS GRAPH
EF-6P



IMPORTANT for the correct operation of the equipment:
- The free ends of the hoses should not be submerged in the drain.
- The hoses must not have kinks or siphons.

F-6P + EF-6P

DRAINAGE CONNECTIONS
EF-6P

It will be sufficient to place a small tray in the CRUCIBLE TRAY OVERFLOW OUTLET (**5**) of the equipment to prevent occasional spillage. See outlet height on page 13.

If the hose from the PERISTALTIC PUMP OUTLET (**2**) is routed to a drain, it must be properly prepared to withstand the passage of solvents.

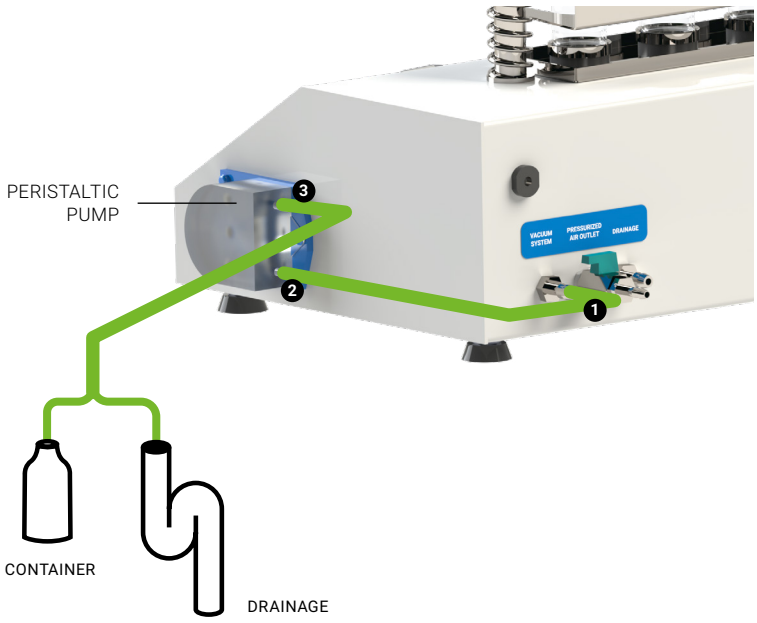
IMPORTANT: PVC pipes may not prepared to withstand the passage of certain organic solvents.

PERISTALTIC PUMP CIRCUIT
EF-6P

The hose that connects the points ❶ y ❷ is factory installed on the equipment.

The red GSR hose supplied must be connected from point ❸ and routed to a solvent recovery container or drain.

The drainage must be properly prepared to withstand the passage of solvents (standard PVC pipes are not prepared to withstand the passage of certain organic solvents).

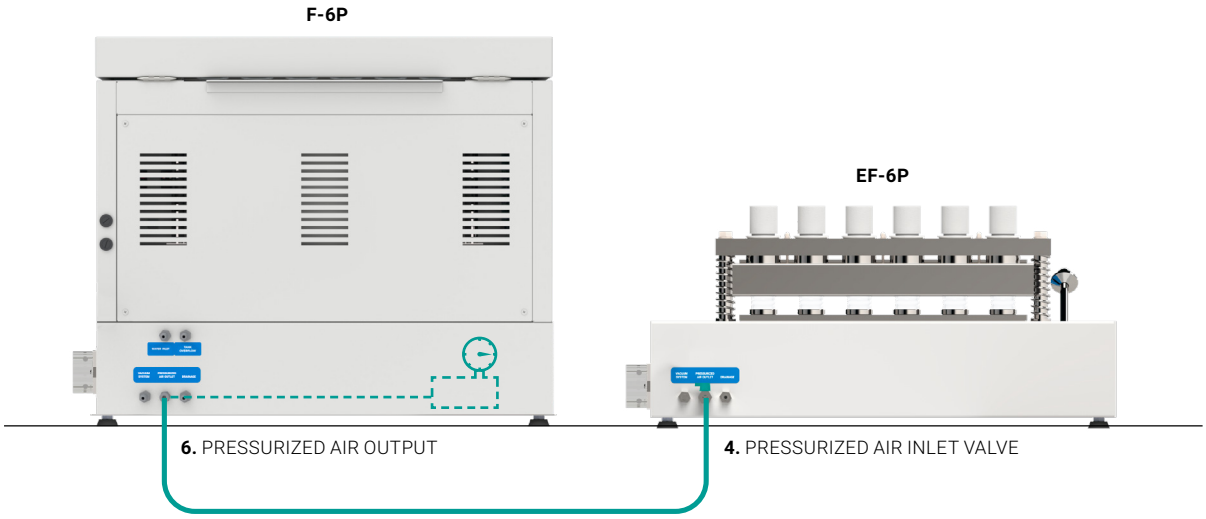


F-6P + EF-6P

USING F6-P'S AIR PRESSURE PUMP ON EF-6P

During the filtration process in the EF-6P it may be necessary to break up compact lumps that accumulate in the crucibles. The integrated air pump of the F-6P unit can be used for this purpose.

Simply connect the supplied transparent silicone hose to the PRESSURIZED AIR INLET VALVE (**4**) of EF-6P and direct the other end of the hose to the F-6P's PRESSURIZED AIR OUTLET (**6**).



F-6P + EF-6P

INCLUDED COMPONENTS
EF-6P

1 red GSR hose Ø6 x Ø9mm and 1m long with *press-fit* connection to connect to the peristaltic pump and lead to a container or a drain.

For:
2. PERISTALTIC PUMP OUTLET

1 transparent silicone hose of Ø8 x Ø14mm and 1m long with *press-fit* connection. Used to connect F-6P's air pump to EF-6P.

For:
4. PRESSURIZED AIR INLET VALVE

6 Pyrex® glass crucibles of P2 porosity.

1 stainless steel clamp for an individual handling of crucibles.

1 stainless steel clamp for simultaneous handling of 6 crucibles.

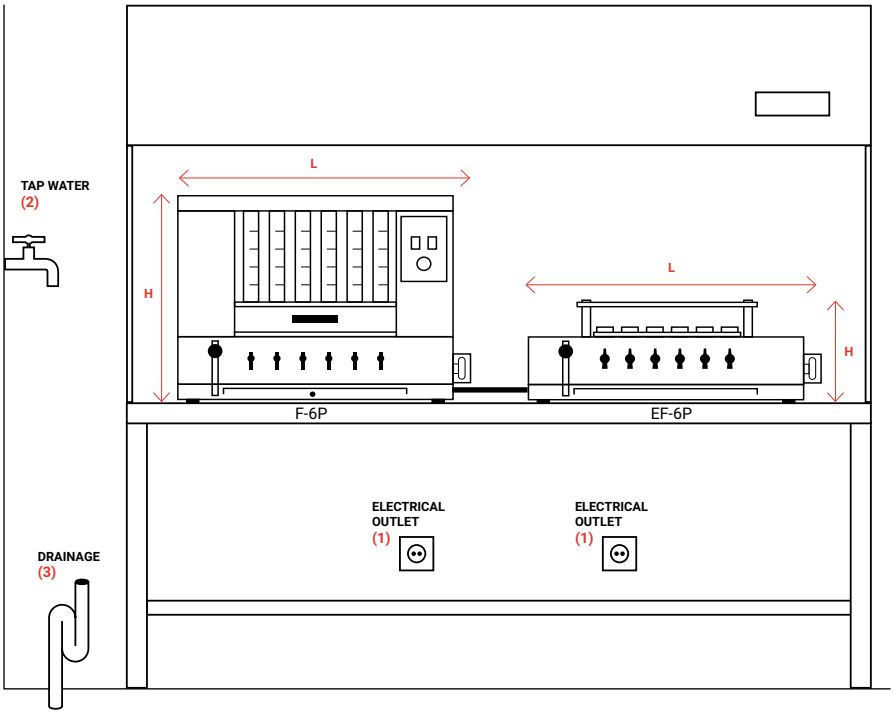
1 stainless steel rack for crucibles.

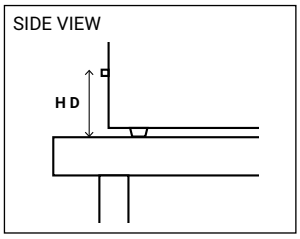
F-6P + EF-6P

DIMENSIONS TO CONSIDER FOR THE INSTALLATION OF YOUR EQUIPMENT

The equipment shall be placed on a stable and flat surface suitable for the weight of the equipment, ideally always inside a laboratory laminar flow cabinet. At a distance of less than 1500mm, a water supply, a drain and an electrical outlet must be provided. For safety reasons, the distance between both sides of the equipment and the wall or any other object should be 500mm, and between the equipment and the rear wall should be at least 200mm. Do not place containers, chemicals or other devices behind the equipment.

MODELS	L LENGTH	D DEPTH	H HEIGHT	HD DRAINAGE/OVERFLOW HEIGHT
F-6P	724 mm	330 mm	580 mm	136 mm
EF-6P	724 mm	320 mm	285 mm	45 mm





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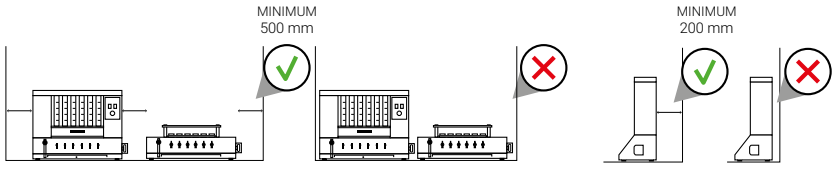

ENVIRONMENTAL CONDITIONS

These equipment is prepared to operate under the following maximum conditions:

- Ambient temp.: 5 to 40ºC
- Humidity: 30 to 80%

Food Analysis

FIBRE EXTRACTOR
F-6P

+ info

CLICK!
ACCESS THE F-6P VIDEO

Find out more about our fibre extractor **F-6P** on our YouTube channel.

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