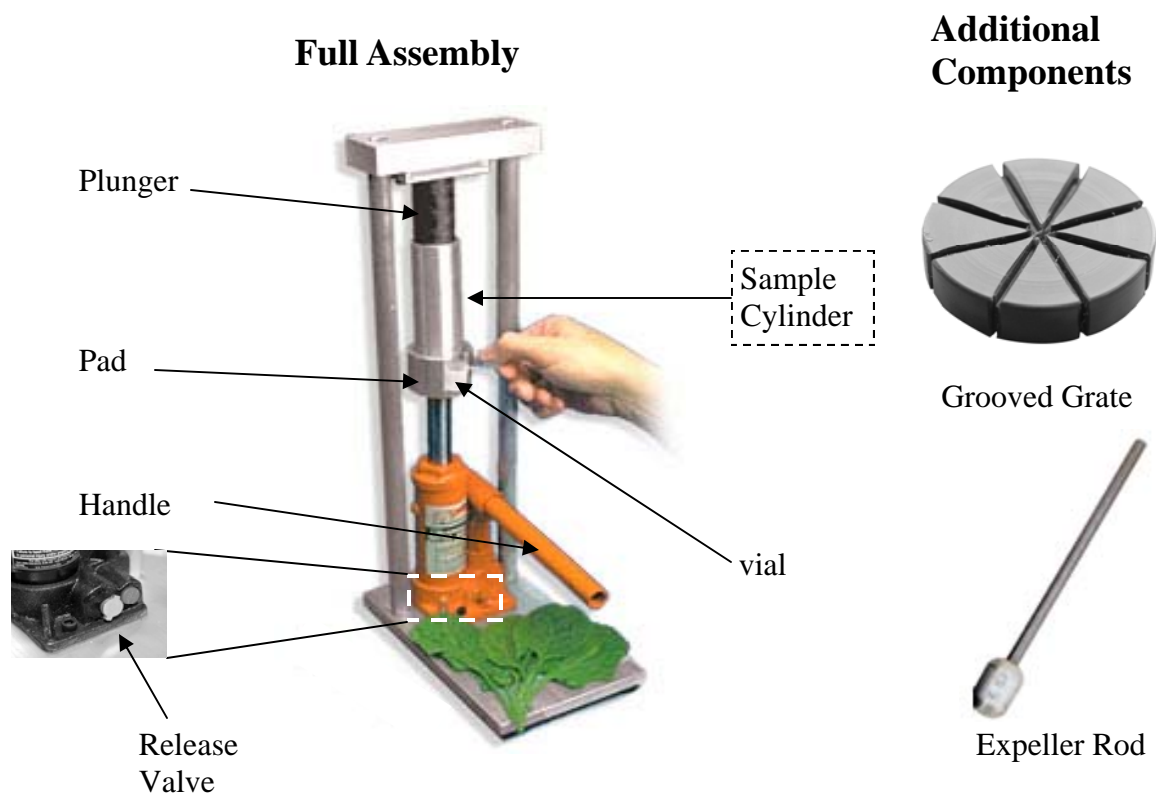


Hydraulic Plant Sap Press

PRODUCT MANUAL

Item # 2720



Operation of the Hydraulic Plant Sap Press

1. Place the grooved grate in the bottom of the sample cylinder with the grooved side facing down.
2. Pack the cylinder with the plant material from the sample. For best results, cut the petioles/leaves into small pieces.
3. Push the plunger into the sample cylinder. One end of the plunger has an o-ring. This will give the plunger a better seal with the cylinder. It will also make it harder to insert and withdraw. It is only necessary to use the o-ring side of the plunger if plant sap is creeping up the side of the cylinder rather than flowing out the bottom.
4. Place a clean collection vial in the receptacle under the cylinder.
5. Position the cylinder on the pad on the press frame.

6. Tighten the release valve (clockwise) on the jack using the slot in the jack handle.
7. Insert handle in the socket and pump. The plunger will squeeze the sample and expel the sap.
8. When the vial is full, or when no more sap collects, remove the vial containing the sap to be analyzed.
9. Release the pressure by turning the release valve counter-clockwise. Push the jack ram down.
10. Remove the cylinder from the press frame.
11. Remove the plunger from the cylinder.
12. Use the expeller rod to push out the grooved grate and squeezed plant material. Push the rod end through the hole at the bottom.
13. Rinse the cylinder and wipe off the plunger before collecting the next sample.

Note: Refer to sap measurement procedures in your Cardy nutrient manual.

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