



Motorized  
Sample Ejector

## **General**

This model features the use of a 5-ton capacity motorized hydraulic pump and ram assembly. The unit incorporates extended upright rods in order to accommodate both standard 4" or 6" asphalt compaction molds as well as the taller gyratory compaction molds. Overall dimensions excluding pump 13" W x 6" D x 29" H (330 x 152 x 737 mm).

This equipment is designed to remove samples from molds and tubes and consists of the following main components:

- 1.1 H-4150.2 - Pump Assembly.
- 1.2 H-4150.21 - Frame Assembly.
- 1.3 H-4155ED4 - 4" OD Ejector Disc.
- 1.4 H-4155ER4 - 4" Ejector Ring.
- 1.5 H-4155ED6 - 6" OD Ejector Disc.
- 1.6 A plastic plate with collar.

## **Set Up**

Remove the rubber covers from the quick disconnect fittings on the end of the hose and on the cylinder.

Connect the hose to the cylinder by screwing together the quick connect.

Be sure to relieve the pressure in the hose by putting the lever on the pump valve to the "return" position before connecting hose to cylinder.

Plug pump into correct outlet for the pump power rating.

Activate the pump with either the button in the handle or the button on the wired remote.

If you activate the pump with the lever on the pump valve in the "return" position it will push the sample out and the cylinder will immediately retract when the button on the pump is released. To keep the cylinder in the extended position move the lever on the pump valve to the "hold" position.

## **Operation**

Place and attach the proper size ejection disc for the mold or tube onto the jack piston rod and insert the matching ejection ring into the top casting using the key notches to retain it by twisting approximately 30 degrees.

Place the mold with sample into the disk and raise the jack to bring the mold into engagement with the top ring. Continue applying force by operating the jack handle to push the sample from the mold.

**Maintenance**

Inspect the oil fill hole and maintain oil level to the bottom of the screw hole with jack in the upright position. Use hydraulic jack oil available in local auto supply stores.

## Warranty

Humboldt Mfg. Co. warrants its products to be free from defects in material or workmanship. The exclusive remedy for this warranty is Humboldt Mfg. Co., factory replacement of any part or parts of such product, for the warranty of this product please refer to Humboldt Mfg. Co. catalog on Terms and Conditions of Sale. The purchaser is responsible for the transportation charges. Humboldt Mfg. Co. shall not be responsible under this warranty if the goods have been improperly maintained, installed, operated or the goods have been altered or modified so as to adversely affect the operation, use performance or durability or so as to change their intended use. The Humboldt Mfg. Co. liability under the warranty contained in this clause is limited to the repair or replacement of defective goods and making good, defective workmanship.

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