



H-4215



H-4198

H-4197



H-4199

Rapid Soil Processor

Processing soil for soil compaction tests has never been easier than when using Humboldt's Rapid Soil Processor. It automatically processes semi-moist, moist and even samples close to optimum moisture content to minus #4 screen size more than five times faster than any other method available. Samples of up to 30 pounds of fat and tough clays at field moisture levels can be processed in less than 15 minutes. For those drying back samples or taking up to 24hrs to prepare samples for five-point moisture/density relationship tests, the rapid soil processor can accomplish this preparation in about 5 hours. Other test preparations can also benefit from the rapid soil processor, reducing prep time to almost nothing. If you use field expedient methods, such as "rapid compaction" or "family of curves" testing, the rapid soil processor is a must.

In addition, while processing a sample, rocks in the sample of up to 0.75" in size are automatically separated from the soil, preventing damage to the screen.

The rapid soil processor features heavy-duty, all-metal construction, which provides years of dependable service under constant use. The off-set rotating drum is motor driven and requires no preset adjustments. Automatic operation frees up technician's time allowing them to do other tasks while processing soil samples. Easy-to-install, replacement screens are available, as are replacement parts. Overall dimensions: 32" x 36" x 53" (813 x 915 x 1346mm).

Rapid Soil Processor, 120V 60Hz H-4215
 Rapid Soil Processor, 220V 60Hz H-4215.2F
 Rapid Soil Processor, 220V 50Hz H-4215.5F

Shipping wt. 406 lbs (184kg)

Replacement Screens for Rapid Soil Processor

Description	Model
Replacement Screen, 11.875" (302mm) height (for units sold after March, 1995)	H-4215.32
Replacement Screen, 13" (330mm) height (Old Style, for units sold before March, 1995)	H-4215.26

Electric, Disk Grinding Mill

ASTM C409

The H-4198 Electric Disk Grinding Mill is used in testing labs around the world and complies with ASTM C409 for sample preparation of Hardgrove Grindability specimens. This grinding mill features a 1/3hp single-phase, geared motor, which is mounted to a rigid, cast-aluminum base with rubber feet for stability. The grinding mill head construction is made of sturdy, durable cast iron. The grinding mill head can be easily removed and disassembled for cleaning without the use of any special tools. The grinding plates are made of a hard iron alloy designed for clog resistance and long life. Plate-to-plate clearance is easily adjusted by hand in order to change the mesh size range desired. Output capacity is up to 40lbs (18kg) per hour with dry material and the material hopper provides 50in³ (820ml) approximately 2lb (0.9kg) of material. Grinding mill is sold with the dry grinding feeder and disk set—a wet grinding feeder and disk set is available as an accessory (H-4198.1). The complete unit ships in two boxes.

Soil Grinder, 120V 60Hz H-4198
 Soil Grinder, 220V 60Hz H-4198.2F
 Soil Grinder, 220V 50Hz H-4198.5F

Shipping wt. 55 lbs (25kg)

Description	Model
Coarse Grinding Plate Set	H-4198.1

Soil Grinder, Humboldt

This table-top unit prepares soil samples to designated particle size for accurate, repeatable test results. Grinds one-pint sample in 15 seconds. Stainless steel construction. Includes a No. 10 perforated stainless plate.

Soil Grinder, 120V 60Hz H-4199
 Soil Grinder, 220V 50Hz H-4199.5F

Shipping wt. 28 lbs (12.7kg)

Soil Grinder Accessories

Description	Model
No. 4 Perforated, SS Plate	H-4199.A
No. 10 Perforated, SS Plate	H-4199.B
No. 35 Perforated, SS Plate	H-4199.C
2mm Perforated, SS Plate	H-4199.D
Beater Assembly	H-4199.7

Disk Grinding Mill, Hand-Operated

Hand-operated Grinding Mill mounts to bench top up to 1.5" (38.1mm) thick with an integral c-clamp for fast grinding of samples. The mill is made of sturdy, durable, painted cast iron. Mill head can be easily disassembled for cleaning without the use of any special tools. The grinding plates are made of a hard iron alloy designed for clog resistance and long life. Unit is sold with dry grinding feeder and disk set, but wet grinding set up is available as an accessory. Output capacity is up to 40lbs (18kg) per hour with dry material and an energized cranker. The material hopper provides 50in³ (820ml) approximately 2lb (0.9kg) of material.

Disk Grinding Mill, Hand-Operated H-4197

Shipping wt. 12.5 lbs (5.7kg)

Description	Model
Revolving Plate	H-4197.7