



## OPERATING MANUAL

### California Sample Splitter SP-12CA

#### CALIF. 201

#### INTRODUCTION:

The SP-12CA is designed by and constructed for the California Department of Transportation to comply with California 201 specification. This is a fixed-chute splitter with a gate-release hopper. The 2-1/4in (57.2mm) chute width allows even division of aggregate materials up to 1-1/8in (28.6mm) maximum nominal size. Materials larger than this may bridge in the chute and cause blockages or uneven divisions.

#### OPERATING INSTRUCTIONS:

1. Place sample material in closed hopper, distributing as you pour, and level by hand until material is evenly distributed from side-to-side and from front to back in hopper. Position pans.
2. Open gates of hopper using a smooth, rather fast motion of the hand lever. Sample will divide to half the original portion in each of the bottom pans.

**NOTE:** Use **CAUTION** when operating hopper gates to prevent injuries from pinching action of gates and mechanism.

3. If a smaller sample fraction is needed, transfer portion in one pan to closed hopper, level, and split again. Repeat until the desired fraction is reached, 1/4, 1/8, 1/16, 1/32, etc.
4. Sampling accuracy can only be as good as the methods employed. We suggest the following additional tips be employed as part of your standard sampling procedures:
  - a. Prior to splitting for a final sample, mix the material by repetitive splitting and recombining the entire sample. Repeat until material is thoroughly mixed.
  - b. When pouring material into hopper, always use care to distribute the material evenly as you pour.



SP-12CA

5. Contact Gilson for replacement parts or technical assistance with your splitter.

#### WARNING!

Because of its large sample capacity and sturdy construction, full sample pans are very heavy and may not be manageable by one person. Use **EXTREME CAUTION** when lifting and handling pans. Lighter sample pans of aluminum construction are optionally available as SPA-122.

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