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OPERATING MANUAL

Jones Precision Riffle Splitter



Prior to splitting material, it is good practice to mix the sample by repetitive dividing and recombining the entire sample several times.

Material being split should not be larger than 1/2 to 1/3 the splitters chute width, and it should be flowable. Make certain that a sample collection pan is placed beneath the riffles on each side of the splitter.

Pour material across the hopper opening, distributing it in a even manner from end to end of the splitter's hopper. Try to maintain a even volume when pouring the material into the splitter hopper. When the hopper is full, or all of the sample is emptied into the hopper, open the gate, using a smooth, fast motion of the hand lever.

When the pans are full, or the sample has been split, 50% of the material should be in each pan. This is easily checked, by weighing each pan, and comparing it with the weight of the whole sample. A Jones Riffle Splitter will give between a 2.5% and 3% error margin.

If a smaller split than 50% is desired, simply repeat the procedure, until the desired split is received.

The difference between a Jones Riffle Splitter and a Precision Jones Riffle Splitter is the gate at the bottom of the hopper. This gate eliminates the error induced by pouring.