

SEPOR, INC.
 718 N. FRIES AVE.
 P. O. BOX 578
 WILMINGTON, CA 90748
 PHONE: 310-830-6601
 FAX: 310-830-9336
<http://www.sepor.com>



FRACTIONAL SPLITTER - SPLITOMATIC

- * Samples to 1/2, 1/4, or 1/8 of starting volume in a single pass
- * Lever-actuated hopper permits full loading, leveling of starting sample of even distribution splitting
- * Choose from models with 4", 2", 1", or 1/2" fixed chute widths
- * Select 45° or 60° chute slopes

In selecting a suitable model, choose a chute width at least twice materials topsize (3 times for coal or coke) to avoid bridging in the splitter, and to meet applicable ASTM sampling standards. If material has oblong pieces, 3 to 4 times topsize is recommended.

Use Split-O-Matics for ores, crushed stone, coal or coke, sand and gravel, pellets, wood chips, and many other materials. Sample reduction to 1/2, 1/4, or 1/8 is accomplished by passing sample through three stages of riffle-type chutes in series. Gilson's patented V-bottom chute design centers material from one stage for exact division in the following stage. A fraction selection lever sets internal gate position to direct desired sample fraction to sample pan, balance to reject pan.

All models have integral lever-actuated sample hopper, painted baked finish, and pans size-matched to hopper capacity. Front panel doors open for inspection and cleaning. Construction is heavy welded steel. Bottom flange is suitable for anchored or free-standing lab use, or for trailer-mounted field sampling.

Table below lists typical models that are available. Choose standard 45° chute slopes (suitable for most applications) or steeper 60° slope models as required for coal and coke. The 60° splitters are higher, heavier and more costly, but are recommended for low specific gravity materials or materials with a large fraction of fine powders.

Standard hopper capacity shown is suitable for many uses. Any model can be custom-ordered with special larger hopper and sample pans if needed. Other special lab model Split-O-Matics can be provided by adding hopper, stand and pans to in-plant sampling models described elsewhere. Such custom models might have four or more chute stages to give sample fractions of 1/32 and smaller, with or without a fraction selection gate to permit several sample fraction options. Inquire, describing exact needs, for special quotations.



040G-038, Shown With Wheel Cart Sample Collector

SPLIT-O-MATIC SPLITTER LAB MODELS

Models	Chutes	Hopper Capacity	Approx Dimensions, in (mm)		Shipping Data						
			No. Per Stage	Width in (mm)	Capacity Ft ³ (liter)	Width x Depth Both Models	Height	45° Chutes lb (kg)	60° Chutes lb (kg)	Cu. Ft. Cu. Ft.	
SM-3L	040G-038	8	4 (102)	3.0 (85)	47x25 (1194x635)	79 (2007)	99 (2515)	850 (386)	88	1060 (482)	110
SM-4L	040G-039	8	2 (51)	1.6 (45)	25x16 (635x406)	53 (1346)	67 (1702)	415 (188)	25	530 (241)	32
SM-4XL	040G-040	12	2 (51)	2.4 (68)	34x16 (854x406)	53 (1346)	67 (1702)	570 (259)	34	720 (327)	43
SM-5L	040G-041	24	1 (25)	1.8 (51)	32x17 (813x432)	47 (1194)	60 (1524)	460 (209)	28	590 (268)	36
SM-6L	040G-042	36	1/2 (13)	1.6 (45)	33x13 (838x330)	40 (1016)	49 (1245)	250 (114)	14	300 (136)	17
SM-6SL	040G-043	18	1/2 (13)	0.8 (23)	22x13 (559x330)	40 (1016)	49 (1245)	145 (66)	10	175 (80)	12