biogasomat

The biogasomat is used to quantify the possible biogas yield of fermentation substrates in discontinuous operation and, depending on the version, consists of two to four double-walled stainless steel vessels with a nominal capacity of 5000 ml. It can be used in both mesophilic and thermophilic areas.

technical data	BGM 2 / 5000	BGM 3 / 5000	BGM 4 / 5000
measurements (H x W x D), with transport rollers	1600 x 1000 x 570 mm	1600 x 1070 x 570 mm	1600 x 1520 x 570 mm
weight	120 kg (empty)	144 kg (empty)	168 kg (empty)
electrical connection	220 V, 50 Hz		
motor capacity	ca. 2,1 kW		
quantity of steel vessels, double-walled (1.4301)	2	3	4
volume / steel vessel	2 x 5000 ml	3 x 5000 ml	4 x 5000 ml
paddle agitator	1 x each steel vessel		
speed range for paddle agitator	0 … 50 U/min, adjustable		
withdrawal of gas	1/4“ hose fitting		
drain	1 1/2“ ball valve		
control / feeding opening	1 1/2“ fastening		

lab extruder

bioextruder for laboratories and universities

Our laboratory extruder was specially developed for the processing of very small quantities for test purposes in Labs and universities. The digestion of biogenic raw materials by thermomechanical disintegration is performed on a laboratory scale. The comminution, defibration and mixing of raw materials with selected additives can be tested.

technical data	lab extruder
measurements (H x W x D)	1000 x 960 x 456 mm
weight	ca. 300 kg
electrical connection	230 V, 50 Hz
motor capacity	3 kW, frequency-controlled
screw speed	78 min-1
degree of protection	IP 55
permitted materials	minimum quantities of wood chips (size: max. ⌀ 8 mm x 30 mm), solid manure, silage, other biogen materials, pasty additives, water