BOLTAC INDUSTRIES
Stirred Sludge Volume Index Stirrer-
(A timed, stirred vessel used for assessing stirred sludge volume percentage).

SSVI-3 "simulates" the wastewater treatment process far better than a static Imhoff cone. Prevent filamentous floc bridging in the laboratory settling process evaluation tests.

Stainless steel stirring components.

Product Description – SSVI-3

Boltac Industries SSVI-3 (Stirred Sludge Volume Index Stirrer v3) unit is designed to meet/accommodate Standard Methods requirements.
The latest SSVI-3 device is a tubular, upright vessel, 100 mm inside diameter and tall enough to contain up to 3 litres of liquid, (scaled for 3, 2 and 1 litres with sludge percentage indication scales for each volume).

A 230mm square base with non-slip feet offers excellent stability.
Scales showing total & settled volume, and percentages of settled volume are printed on the cylinder.

New design incorporates the same motor and drive technology as used successfully in our Boltac Industries jar stirrers since 1991.

Powered by a small, plug-pack power supply.
Speed accuracy is unsurpassed, the SSVI-3 is easy to fill, clean and maintain.

Stainless steel stirring rods rotate at 2 rpm (1 cm/sec tip velocity) to slowly stirrer the contents of the cylinder. A timer activated by the push of one button will give a standard 30-minute duration of stirring (as per standard methods). There are 6 LED's on the panel and as each five-minute period expires so the LED's change. If, during the 30-minute period, the sequence needs to be shortened, tapping the button reduces the cycle time, each tap results in a 5-minute shortening of the sequence.
Alternatively, on start-up, the button can be held down for 1 second, selecting an "hourly" mode, enabling runs of 24, 12, 6, 3, 2, or 1 hour with the LED's indicating remaining time left to run.
At the end of each timed run, a beeper indicates the end of the sequence.

Product Specification.

SSVI-3 uses a 12-volt DC brushless stepper motor with electronic stepper controller – in other applications, these motors will safely sit in a "stalled" condition for weeks and will not burn out.

IMPROVEMENT:
SAFETY
The SSVI-3 now uses a smaller, low-voltage cable to the head unit due to lower energy consumption rating, making it SAFER, less top-heavy, less prone to tipping over. No risk of electrical shock due to lower voltage.

INVENTORY
The new motors/controller are “standard” in the Boltac series of stirrers, ensuring better support due to stable inventory.

APPEARANCE
New motor controller component creates a slimmer SSVI-3 motor/controller housing (almost half the height of the SSVI-2), providing better stability and certainly a much more aesthetically pleasing appearance.

CONTINUITY SSVI-3 control panel is identical to that used on SSVI-2.

Power consumption	<3 watts
Cylinder volume	3 litres (with 1, 2 & 3 litre volume and percentage scales).
Cylinder material	Clear acrylic tube
Stirrer rod speed	2 rpm (tip velocity 1 cm/sec as per Standard Methods).
Stirrer materials	Stainless steel.
Stirrer controls	Button control, LED illumination, in Polycarbonate housing.
Timer duration	Default 30 min., with incremental reductions by button push. Secondary mode, 24, 12, 6, 3, 2, & 1-hour duration included.
Operation manual	Describes operation and maintenance of the stirrer. Also, includes direction to methodology of stirred sludge analysis (via Standard Methods). In case of lost manuals, Boltac Industries can email a pdf version upon request.
WARRANTY	A warranty document is included as part of the operation/maintenance manual. Boltac stirrers have a “12 plus” warranty covering faulty components or workmanship. The warranty begins on date of despatch; the 12 months warranty period begins on the 1st of the month following purchase.
SERVICE	We recommend that you contact your supplier initially. Service/advice is available direct from Boltac Industries. Boltac assistance via telephone or email is available.

See our website https://www.boltac.co.nz/stirred-sludge/

Design/appearance may vary due to improvement as dictated by market demand and development.