



# Large Volume Stirrers



## ***Powerful Motor and Magnet Mixes Samples Up To 200 L***

OHAUS offers four models for stirring capacities between 25 to 200 L, allowing you to choose the right model for your application. The broad top plate surface allows processing of oversized vessels such as carboys for your large volume stirring. The powerful magnetic drive is also capable of mixing highly viscous materials.

### ***Unique Features Include:***

- High Volume Stirrers (STLC1DG and STLC2DG) with a 100 or 200 L capacity are made with a stainless steel base offering durability and stability, and feature a 54 x 63 cm stainless steel top plate.
- High Volume Stirrers (STHVAL and STHVDG) have a large 32 x 28 cm top plate that is chemical-resistant with a white reflective surface that is easy to clean. Digital and non-digital models allow you to choose the right model for your application.
- Speed ramping feature slowly increases the motor speed for improved safety and enhanced coupling. Avoids splashing, improves spin bar control and provides excellent low-end speed control.

# Large Volume Stirrers

| Model                    | STHVAL                                                                          | STHVDG | STLC1DG                                       | STLC2DG             |
|--------------------------|---------------------------------------------------------------------------------|--------|-----------------------------------------------|---------------------|
| Control                  | Analog                                                                          |        | Digital                                       |                     |
| Speed Range              | 60 rpm to 1400 rpm                                                              |        | 100 rpm to 1800 rpm                           | 100 rpm to 1650 rpm |
| Timer                    | N/A                                                                             |        | 1 second to 160 hours                         |                     |
| Capacity                 | 25 L                                                                            |        | 100 L                                         | 200 L               |
| Plate Construction       | Glass Filled Nylon                                                              |        | Stainless Steel                               |                     |
| Dimensions (H x L x W)   | 4 x 17 x 11 in. / 10.2 x 43.2 x 27.9 cm                                         |        | 5.25 x 28.5 x 26.75 in. / 13.3 x 72.4 x 68 cm |                     |
| Plate Dimensions (L x W) | 12.5 x 11 in. / 31.8 x 27.9 cm                                                  |        | 21.25 x 25 in. / 54 x 63.5 cm                 |                     |
| Net Weight               | 13.6 lb / 6.2 kg                                                                |        | 63.5 lb / 28.8 kg                             |                     |
| Power                    | 120 V, 50/60 Hz                                                                 |        | 120 V, 50/60 Hz                               |                     |
| Power Consumption        | 75 W                                                                            |        | 90 W                                          |                     |
| Working Environment      | 41 °F – 104 °F, 80% RH*, non-condensing / 5 °C – 40 °C, 80% RH*, non-condensing |        |                                               |                     |

\*RH = Relative Humidity

## Other Standard Features & Equipment

High Volume Stirrers feature a cast aluminum housing and glass filled nylon top plate. Large Capacity Stirrers feature a stainless steel top plate and aluminium housing. Models include either a 70 mm egg shaped stir bar (STHVAL, STHVDG, STLC1DG) or 102 mm stir bar with pivot ring (STLC2DG). Speed ramping feature slowly increases motor speed for enhanced coupling and improved stirring. Microprocessor-controlled for precise speed regulation. Timer counts up or when programmed to a set time, will turn off stirring and sound alarm when timer reaches zero.

## Compliance

- Product Safety: CAN/CSA C22.2 No. 61010-1, CAN/CSA C22.2 No. 61010-2-051, UL 61010-1
- Electromagnetic Compatibility: ICES-003 Class A, FCC Part 15 Class A
- Compliance Marks: UL (for STHVAL and STHVDG) and TUV (for STLC1DG and STLC2DG)

## Accessories

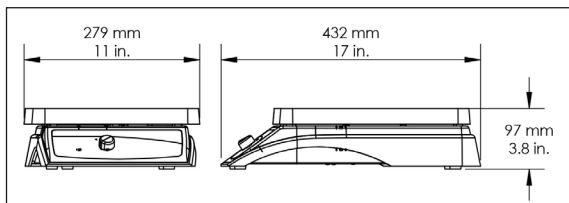
- Spinbar, 7 cm, PTFE\* .....30400149
- Spinbar, 10 cm with Pivot Ring, PTFE\*\*.....30400150

\*Included with STHVAL, STHVDG, STLC1DG

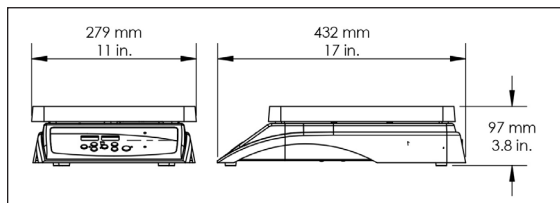
\*\*Included with STLC2DG

## Dimensional Drawings

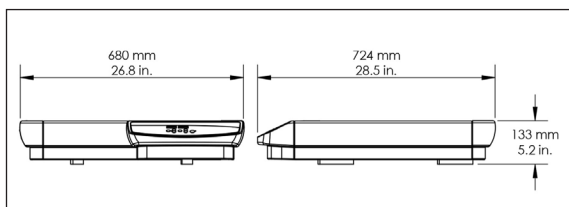
STHVAL



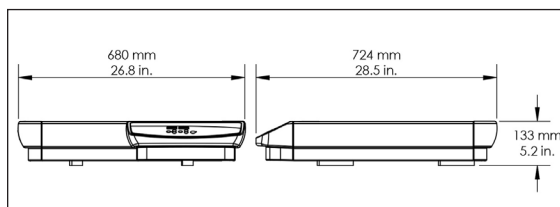
STHVDG



STLC1DG



STLC2DG



80776575\_G 20200609 © Copyright OHAUS Corporation

**OHAUS CORPORATION**  
\* 7 Campus Drive  
Suite 310  
Parsippany, NJ 07054 USA

Tel: 800.672.7722  
973.377.9000  
Fax: 973.944.7177

[www.ohaus.com](http://www.ohaus.com)

With offices throughout  
Europe, Asia and  
Latin America

\*ISO 9001:2015  
Registered Quality  
Management System

