

# Metals Digestions: StirBase™



## Your HotBlock™ becomes a Stirring HotBlock with the StirBase™ from Environmental Express.

### Benefits of the StirBase include:

- Simultaneous heating and mixing of samples
- Adjustable mixing speed
- Remote control outside the fume hood using a 6 foot cable
- Corrosion-resistant PVC housing
- Sold with six packs of specially engineered magnetic stirbars

### Superior design enhances functionality.

The StirBase consists of a motor-driven magnetic cylinder encased in an acid-resistant PVC housing. Place your HotBlock onto the StirBase and drop our special magnetic stir bars into the sample-filled digestion vessels and turn on the StirBase. To control sample temperature, adjust your HotBlock controller setpoint as usual. Choose the mixing speed you prefer using the StirBase Controller. The controller has a range of 100 settings with a maximum speed of 2150 RPM. The rugged, remote controller is provided with a 6-foot cable, and must be operated outside the fume hood for safety.

### Our specially engineered magnetic stir bars tumble vertically ensuring safe, consistent mixing of samples.

Our magnetic stirring bars are custom-designed and tested to work with our StirBase. They are 11.5mm in diameter and 23.1mm long, and will function properly in both our 50mL and 100mL digestion vessels or in common laboratory beakers and flasks. The magnets are encapsulated in PTFE to protect them from corrosive acids. Please note these are very strong magnets. As a safety precaution the magnets should be added to sample containers prior to turning on the StirBase.

StirBase

SC160

Magnetic Stir Bars

SC168

# ENVIRONMENTAL EXPRESS

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This unit can be used for performing Hexavalent Chromium in soils, some pharmaceutical dissolutions, and other methods that require both heating and mixing of samples.

The StirBase can also be used without the HotBlock as a stirring surface to mix liquids in multiple glass beakers and flasks for other laboratory applications.



### StirBase SC160 Specifications:

Stirring Surface:	22" w x 16" d
Maximum Stirring Speed:	2150 RPM
Electrical:	120V

*StirBase is also available in 240V.*

## StirBase™

