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HPQA, Helipath Quick Action Stand Quick Start Guide

Instrument Operation Instructions and Product Registration

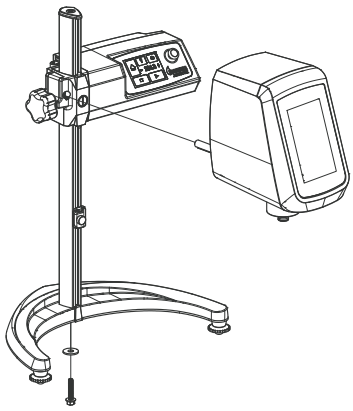
As a part of AMETEK Brookfield's sustainability initiative, we have now moved to a digital download format for instrument operation instructions (manuals). For a free download to obtain your manual, simply follow the steps below:

- Access the 'Manuals' section of the AMETEK Brookfield online store navigation bar using the following link or QR code: https://store.brookfieldengineering.com/manuals/
  - For customers outside of the US, you may need to access your regional AMETEK Brookfield online store.
- Sign in to the online store to access your account.
  - You may need to create a free account if you do not have one already.
- Navigate to your instrument.
- Download your manual by using the link provided.
- To ensure faster support, please visit the following link to register your instrument: http://www.brookfieldengineering.com/contactus/register-product

Scan for Manual

Instrument Setup

- Assemble the Helipath Quick Action Stand by securely bolting the base to the extrusion with the provided bolt. The image below shows the recommended way to safely support your base on the shipping foam while attaching it to the extrusion. Gently align the extrusion to the keys in the base using care not to damage the extrusion nor the painted base.
  - Key on base should register in the front slot of the extrusion for proper alignment.
  - 3/8" wrench or socket required.
- Slide the Viscometer/Rheometer head rod into the clamp on the Helipath Quick Action stand until it stops.
- Visually align the instrument head with the extruded Lab stand rod and secure by tightening molded star knob.
- Plug the supplied power supply into the Helipath Power inlet located on the back panel.
  - Be sure all power cables and wires are clear from the gear rack or any moving parts.



Power Up & Homing

- Turn the power switch located on the back panel to the ON position.

Press the HOME Icon to begin the homing process.

The Helipath Quick Action Lab stand will move up automatically during the homing process. Ensure the Viscometer and Lab stand have adequate clearance at all positions.

Configure Helipath Test

- The Joystick control can be used to lower or raise the Helipath manually.
- Attach the appropriate spindle to your Viscometer/Rheometer and lower the black Lower Mechanical Stop (Fig.01) to its lowest position.
- Place your test sample below the spindle and carefully lower the Spindle into the fluid to the desired bottom position (no closer than ¼" to the bottom of the container) for your oscillating Helipath test using the joystick.
- Adjust the black Lower Limit Stop up until it touches the silver button (Fig.02) on the bottom of the Helipath stand. Tighten the Lower Stop in place.
- Use the Joystick to raise the Helipath head and spindle to the desired starting test position.

Fig.01: Lower Mechanical Stop

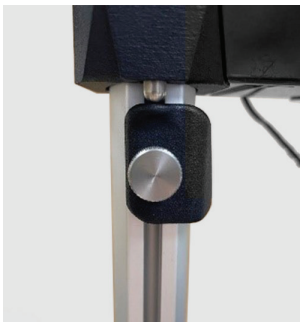


Fig.02: Silver Button

Press the Play/Pause button to start the HPQA descent. An Arrow Icon will appear on the right side of the screen confirming the HPQA direction of travel.

- Start the desired test on your Viscometer/Rheometer.
- When the HPQA reaches the Lower Limit Stop, the reverse switch will automatically activate and the HPQA will start ascending. The Arrow Icon will change to reflect the new direction of travel.
- When the HPQA reaches the test starting position, it will automatically reverse its direction and descend again.

To stop the test, press the Stop button.

- To move the head up you can press the Home button or P1 button to automatically go back to those programmed locations. The P1 button will bring you back to the top starting point of your last Helipath Test run. You may also use the joystick to manually drive the head up to the desired position for spindle cleaning.