Product Description

A BR...CBOIL retrofit kit reliably mounts an SQM33, SQM45, or SQM48 actuator to a Cleaver Brooks fuel oil controller.

Features

- Accessory to a Siemens LMV3 or LMV5 linkageless system
- Robust bracket design engineered for precise shaft alignment
- Fully adjustable stroke and low-fire position
- Easy installation with readily available tools
- Visual position indication
- Two mounting options
- Crank arm turns on sealed ball bearings
- Turnbuckle linkage utilizes zero-lash rod ends

Product Part Numbers

<table>
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<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>BR-45CBOIL</td>
<td>SQM33... or SQM45... actuator to Cleaver Brooks fuel oil controller</td>
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<tr>
<td>BR-48CBOIL</td>
<td>SQM48... actuator to Cleaver Brooks fuel oil controller</td>
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Figure 1 shows the components included with a BR...CBOIL retrofit kit. See Installation Instructions CPBK-5100 for more information.

Figure 1: Components Included in a BR...CBOIL Fuel Oil Controller Retrofit Kit

1. Bearing block bracket assembly
2. Stem assembly
3. Position indicator bracket
4. Packing nut
5. #10-24 x 3/8” pan head screws (qty 2)
6. Lubriplate grease
7. 5/16”-18 x 3/4” socket head screws (qty 2)

8. 1/4” spacer
9. #8-32 lock nuts (qty 4)
10. 1/4”-20 lock nut
11. #8-32 x 3/4” pan head screws (qty 4)
12. 5/16” lock washers (qty 2)
13. #8 SAE washers (qty 8)
14. 1/8” x 7/16” roll pin

Note: The grooved pin (not shown) from the fuel oil controller must be reused with this retrofit kit.
Dimensions

Dimensions in inches; millimeters in brackets

Mounting Option A

Mounting Option B (rotated 32° away from boiler)

Pipe nipple required for pressure gauge

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