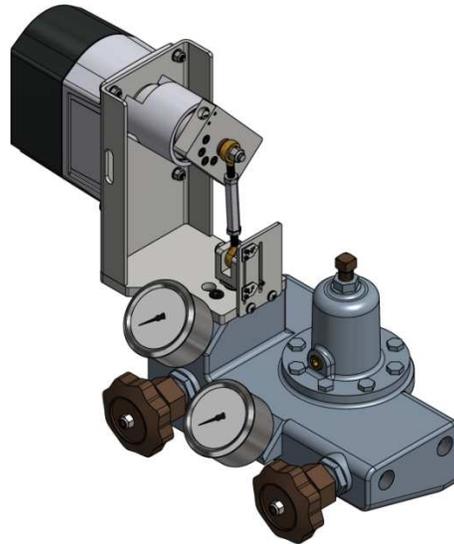


BR...CBOIL Fuel Oil Controller Retrofit Kits



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 1: Available Bracket Assembly Part Numbers

Part Number	Description
BR-45CBOIL	SQM33... or SQM45... actuator to Cleaver Brooks fuel oil controller
BR-48CBOIL	SQM48... actuator to Cleaver Brooks fuel oil controller

Components

Figure 1 shows the components included with a BR...CBOIL retrofit kit. See Installation Instructions CPBK-5100 for more information.

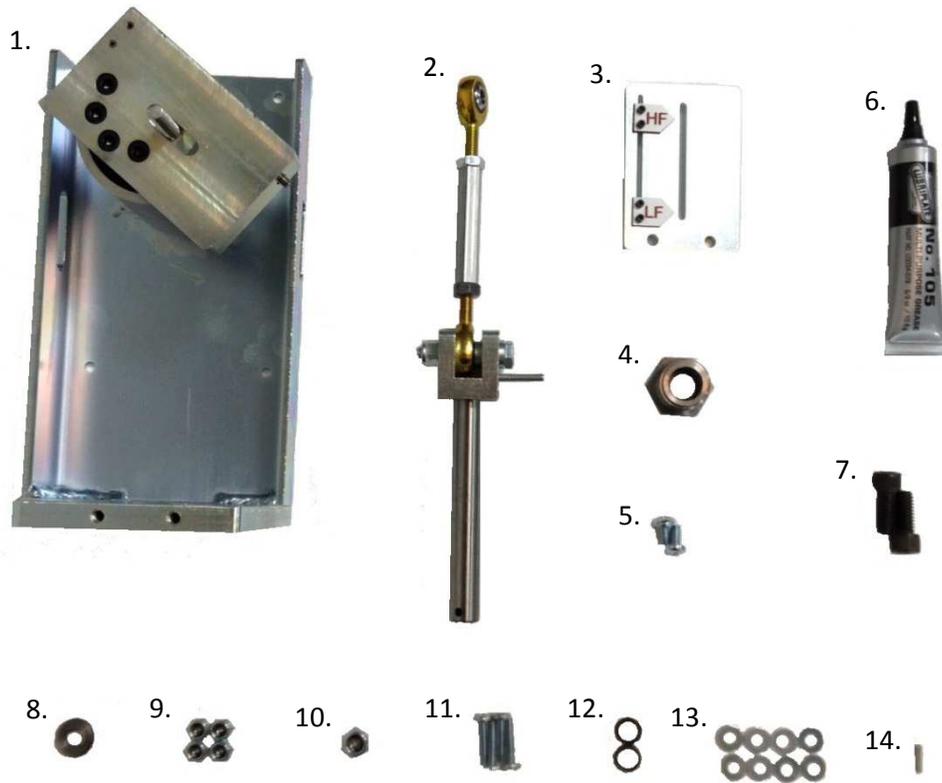


Figure 1: Components Included in a BR...CBOIL Fuel Oil Controller Retrofit Kit

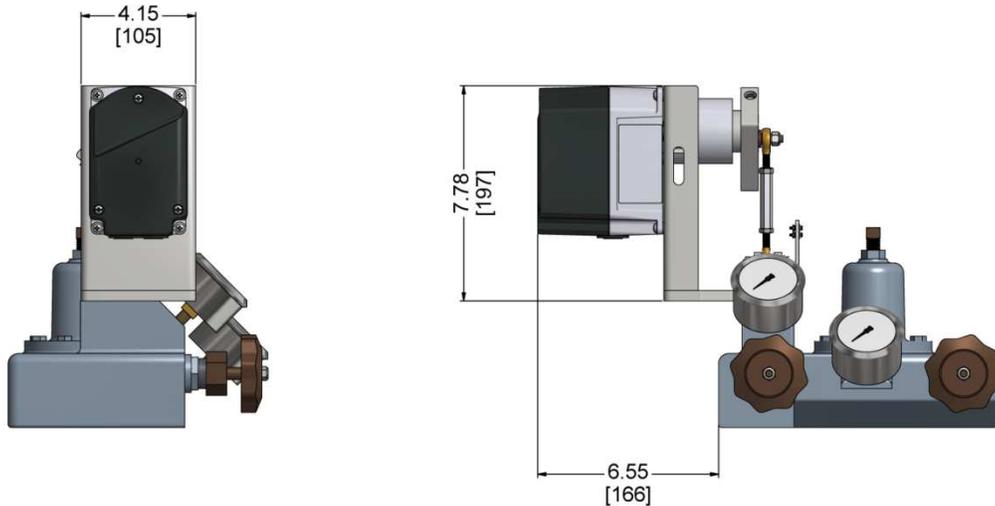
- | | |
|-----------------------------------------------|------------------------------------------|
| 1. Bearing block bracket assembly | 8. 1/4" spacer |
| 2. Stem assembly | 9. #8-32 lock nuts (qty 4) |
| 3. Position indicator bracket | 10. 1/4"-20 lock nut |
| 4. Packing nut | 11. #8-32 x 3/4" pan head screws (qty 4) |
| 5. #10-24 x 3/8" pan head screws (qty 2) | 12. 5/16" lock washers (qty 2) |
| 6. Lubriplate grease | 13. #8 SAE washers (qty 8) |
| 7. 5/16"-18 x 3/4" socket head screws (qty 2) | 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.

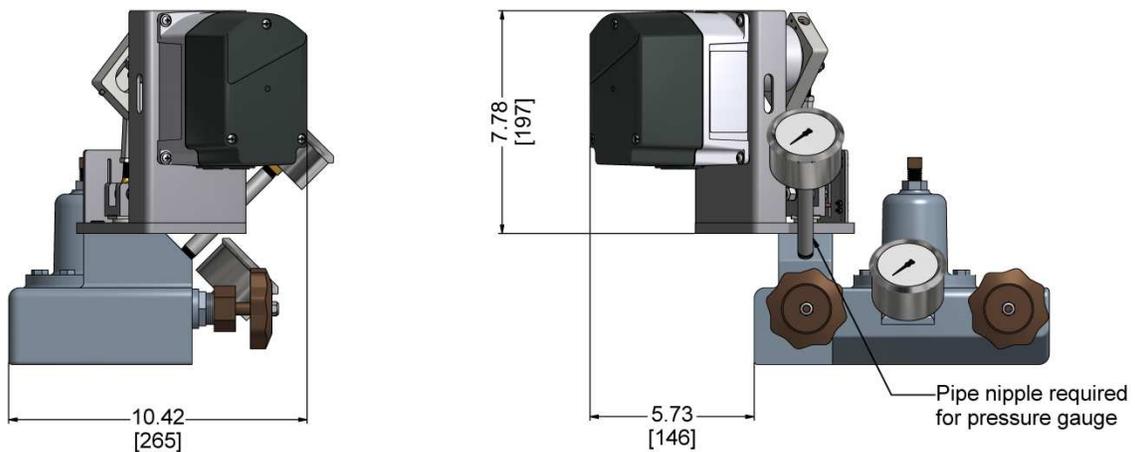
Dimensions

Dimensions in inches; millimeters in brackets

Mounting Option A



Mounting Option B (rotated 32° away from boiler)



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