CAUTION: For continuous service only. Not recommended for seasonal applications.

**INSTALLATION**

1. Blow down line thoroughly.
2. Install strainer ahead of valve.
3. Install steam trap ahead of valve.
4. Install regulator in horizontal pipe only. WARNING: Vertically installed unit can be erratic and prematurely wear.
5. Install 3/8" sensing line to a point (10 pipe diameters) downstream. Use a needle valve in the pilot line as a control to eliminate pulsations and adjust to provide proper pilot control.
6. Loosen lock nut, then loosen adjusting screw enough to release all tension on the Regulating Valve adjusting spring.
7. Turn on pressure slowly. Then turn down adjusting screw enough to open valve slightly. Operate in this manner for several minutes.
8. Turn down adjusting screw slowly at intervals until desired pressure is obtained. Tighten lock nut.
9. Where pressure is supplied to tank, heater, kettle, etc., the sensing line may be connected directly to point where regulation is desired.

NOTE: If Series 402 or 403 is special ordered with internal sensing, the external sensing line is not required.

Each Watson McDaniel Company Product is warranted against defects in material and workmanship for one year from date of shipment. This warranty extends to the first retail purchaser only. All defective material must be returned to the person from whom you purchased the Product, transportation prepaid, free of any liens or encumbrances, and if found to be defective will be repaired free of charge or replaced, at the warrantor's or seller's option. If the material is replaced, any replacement will be invoiced in the usual manner and after inspection of alleged defective material an adjustment will be made for depreciation caused by purchaser's use. In no event will Watson McDaniel Company be liable to do more than refund the original contract price. Incidental and consequential damages are excluded, whether under this warranty or otherwise. All implied warranties, including warranties of merchantability and fitness for a particular purpose, are disclaimed and excluded.
Remove valve from line.

Remove spring case bolts.

Remove spring case, spring & top diaphragm block.

Remove & inspect diaphragms.

Invert assembly in vice to remove pilot body bolts.

Remove pilot yoke & disc from pilot body.

Remove and inspect pilot seat & pilot strainer.

Remove bottom cover.

Remove disc & stem assembly and main spring & inspect.

Push piston out of body and inspect rings and body bore.

Inspect sealing surface on seat in valve body.

Remove any residual gasket material.

Reassemble after cleaning all threads and sealing surfaces. Apply a high temperature pipe sealant on threads of pilot seat. Install new gaskets. Run a soap bubble test with low pressure air to confirm all seals are good before reinstalling in service.