

Installation, Operation & Maintenance Instructions

Manual Handle Spring Return Units

FOR USE WITH THE FOLLOWING MODELS:

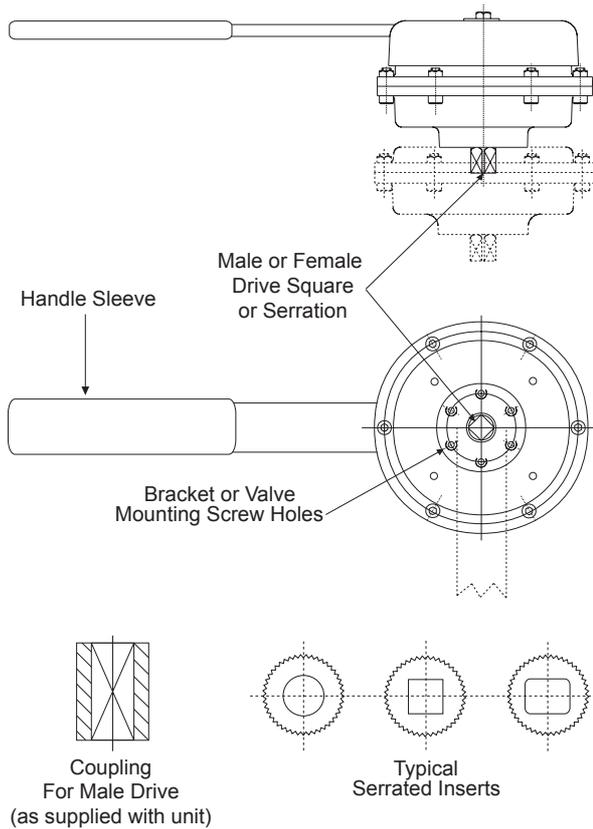
03++0*0 - 1016
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KEY: ++ Will be one of the following:

0- = Male Drive
 1F = Female Drive
 9- = American Male Drive
 9F = ANSI Female Drive
 1S = Serrated Female Drive
 9S = ANSI Serrated Female Drive

* Will be one of the following:

2 = Clockwise spring action
 3 = Anticlockwise spring action



1) **INSTALLATION**

- 1.1) Fit unit to bracket/valve with coupling to valve stem (unless a female drive version is used which can be directly connected to valve).
- 1.2) Ensure that coupling (if fitted) can be moved without much effort, such that it does not side load valve stem or manual handle shaft.
- 1.3) Refer to Kinetrol TD111 for recommended screw tightening torques.
- 1.4) Ensure that the handle is fitted in the orientation which allows the safe operation from a stable operating position.
- 1.5) Ensure that the unit is only fitted in suitable explosion proof environments as limited by the approved label contents. (See label below)
- 1.6) If serrated drive is used - use a Kinetrol insert to ensure drive to valve.

2) **OPERATION**

- 2.1) Operating conditions:
 - Angle of travel 90° (Non Adjustable)
 - Max vibrating conditions: 4g@100Hz
 - Ambient temperature range:-20°C to 80°C
- 2.2) Ensure that the handle is operated whilst standing in a stable position.

- 2.3) Rotate handle slowly with a good grip and ensure that there is nothing in the path of an accidentally released lever .
- 2.4) DO NOT allow the handle to be released from the hand grip. Slowly and deliberately rotate the handle against the spring. Note: Releasing the handle whilst in the operating position may damage the device and the operating speed may be beyond statutory recommendations.

3) **MAINTENANCE**

- 3.1) This manual spring handle does not contain user serviceable components, if the unit is faulty it should be disposed of safely and replaced with a new unit or returned to Kinetrol for repair.
- 3.2) If the output torque is too high for application, then some sizes can be retensioned. TD 126 describes the procedure for safely achieving a change in torque.



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