



Installation, Operation & Maintenance Instructions

Manual Handle Spring Return Units

FOR USE WITH THE FOLLOWING MODELS:

- 03++0*0 - 1016
- 05++0*0 - 1016
- 05++0*0 - 1017
- 07++0*0 - 1016
- * *++0*0 - 101 * W

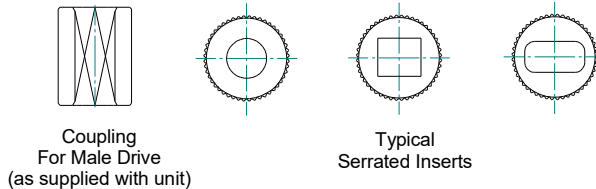
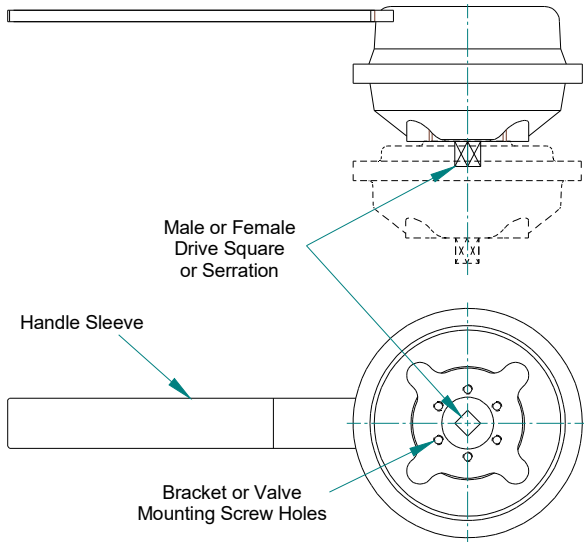
KEY:

++ will be one of the following:

- 0- = Male Drive
- 3F = Female Drive
- 9- = American Male Drive
- 7F = ANSI Female Drive
- 3S = Serrated Female Drive
- 7S = ANSI Serrated Female Drive

* will be one of the following:

- 2 = Clockwise Spring Action
- 3 = Anticlockwise Spring Action
- W = Low temperature



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

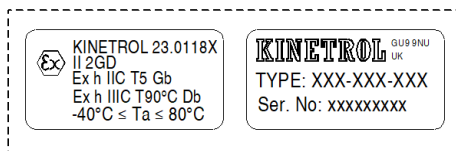
- 2.1 Operating conditions:
 - Angle of travel 90° (Non Adjustable)
 - Max vibrating conditions: 4g @ 100Hz
 - Ambient temperature range (Standard): -40°C to 80°C
 - " " " (Low temp. W): -54°C to 60°C

- 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 on 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.

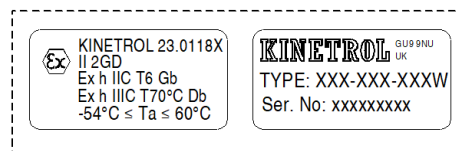
3. MAINTENANCE

- 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 re-tensioned. TD126 describes the procedure for safely achieving a change in torque.

APPROVED LABELS



STANDARD



LOW TEMPERATURE

| | | | | |
|-------|--------|--------|---|----------------|
| Issue | Signed | Date | KINETROL Trading Estate Farnham Surrey England | Doc. No. TD140 |
| K | D.G.W. | FEB-23 | | Page 1 of 1 |