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:

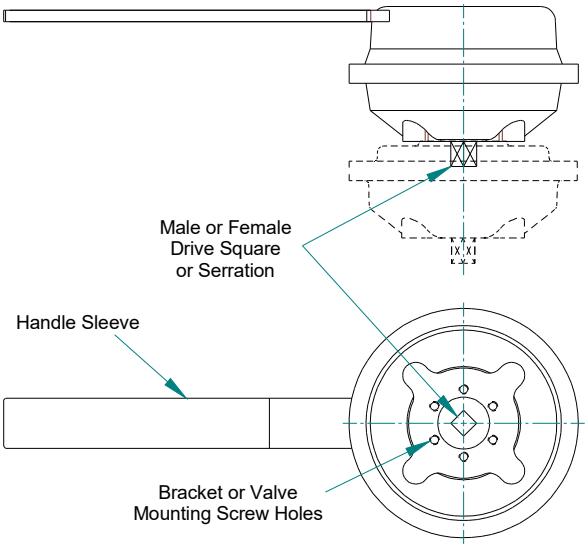
++ will be one of the following:

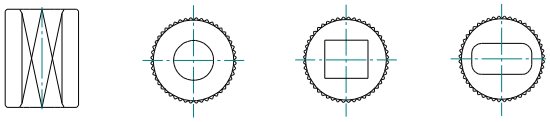
0- = Male Drive
3F = Female Drive
9- = American Male Drive
7F = ANSI Female Drive
3S = Serrated Female Drive
7S = ANSI Serrated Female Drive

* will be one of the following:

2 = Clockwise Spring Action
3 = Anticlockwise Spring Action

W = Low temperature





Coupling
For Male Drive
(as supplied with unit)

Typical
Serrated Inserts

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 90º (Non Adjustable)
- Max vibrating conditions: 4g @ 100Hz
- Ambient temperature range (Standard): -40ºC to 80ºC
- " " " (Low temp. W): -54ºC to 60ºC

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.

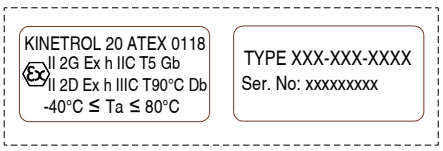
3. MAINTENANCE

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.

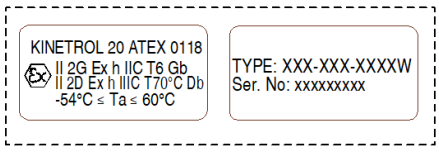
3.2 If the output torque is too high for application, then some sizes can be re-tensioned. TD126 describes the procedure for safely achieving a change in torque.

APPROVED LABELS

STANDARD



LOW TEMPERATURE



AR7138 / AR 6871 / AR 6938 / AR 5821 / AR 6588