



Installation, Operation & Maintenance Instructions

02 Manual Handle Spring Return Units

FOR USE WITH THE FOLLOWING MODELS:

Non ATEX versions

024-0*0-1006	Metric male drive
023F0*0-1006 +	Metric female drive
027-0*0-1006	ANSI male drive
027F0*0-1006 +	ANSI female drive

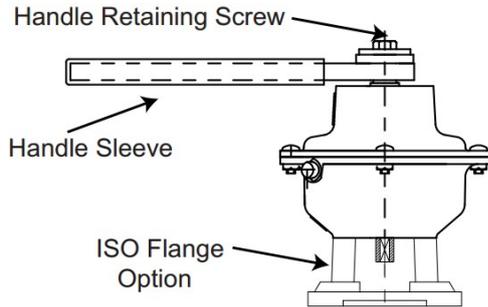
ATEX Category 2 versions

024-0*0-1016
023F0*0-1016 +
027-0*0-1016
027F0*0-1016 +

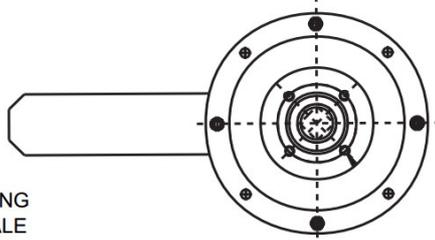
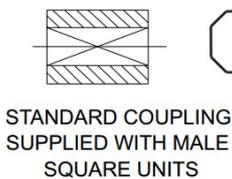
* will be one of the following:

2 = Clockwise Spring Action
 3 = Anticlockwise Spring Action
 + F4 used for F04 flange drillings.

All other female versions contain F03/F05 drillings.



MALE DRIVE OPTION



FEMALE DRIVE OPTION

ISO Flange with F03/F05 holes
(Option is for F04 holes)

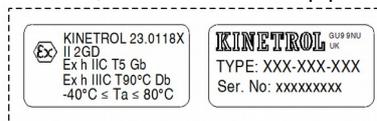
1. INSTALLATION

- 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 to male drives) 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 To change the direction of rotation (Non ISO adaptor versions) remove handle retaining screw and remove handle. Fit handle to opposite end and refit retaining screw with low strength thread adhesive. ISO adaptor versions must be ordered with correct code for spring rotation.

2. OPERATION

- 2.1 Operating conditions:
 - Angle of travel 90° (Non Adjustable)
 - Max vibrating conditions: 4g @ 100Hz
 - Ambient temperature range: -40°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 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. If an ISO adaptor is fitted, this can be removed safely by removing retaining screws and refitted using the instructions contained in TD128.
- 3.2 If the unit appears damaged or badly corroded, or if the handle stop position is incorrect then it is advisable to fit a new unit.



APPROVED LABEL
0***0*-1016 versions only

KF-744

Issue L	Signed D.G.W.	Date FEB-23	Trading Estate Farnham Surrey England	Doc. No. TD142 Page 1 of 1
------------	------------------	----------------	---------------------------------------	-------------------------------