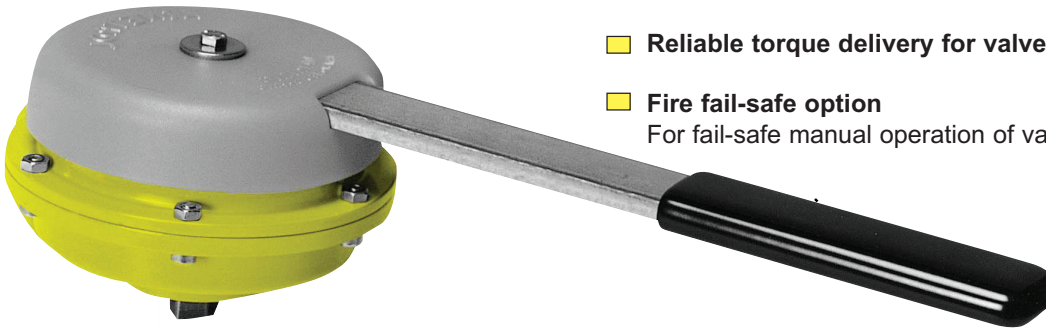


If you want to operate a valve manually, but maintain the advantage of the fail-safe spring's certainty of position when unattended, use this device.



- Manual unit cannot be left in the wrong position
- Reliable torque delivery for valve reset
- Fire fail-safe option  
For fail-safe manual operation of valves etc.

- ISO5211 female drive & ATEX Category 2 approved options available for models 02, 03, 05 and 07.
- Clockwise or counter clockwise 90° spring action (02 reversible without the need for spring removal)
- Weatherproof sealed spring housing to protect from internal corrosion
- Bi-square (star) and serrated female drive options available

### Application

Manual fail-safe spring units are available in Kinetrol sizes 02, 03, 05 and 07 with factory adjusted torques from 1.4Nm to 45.5Nm.

Models 05, 09 and 12 fire fail-safe units (maximum torque to 260Nm/2300 lbf ins) are available - contact Kinetrol for details.

### Specification

Spring Case	Die cast zinc alloy with epoxy paint finish
Shaft	Stainless steel or carbon steel zinc plated
Lever	Stainless steel (03 & 05) Aluminium (02)

Optional fusible link	Soldered type (or equivalent) 2 options
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Yield temperature °C	72	93
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Max normal ambient temperature °C	42	63
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### ISO/Female Drive Versions

The 03, 05 and 07 models are available with female drives for direct mount. The model 03 has F03/05 or F04 mounting flanges, the model 05 has F03/05/07 or F04 flanges and the model 07 has a F05/07 flange.

To order female drive versions, replace the 'O-' in the product code with '1F'. For example a model 05 ISO female drive manual fail-safe cw handle with F03/05/07 flanges is coded: 051F020-1006. The F04 flange version is coded 051F020-1006/F4.

Female drive versions with the same flange dimensions are available with ANSI threads eg 059F020-1006/F4.

Serrated female drive options can also be supplied for models 05 and 07. To order these replace the 'F' in the product code with an 'S'.

### Ordering Codes

To order a manual fail-safe spring unit, quote model number, direction of spring (as per technical data on page 4) followed by product code.

When ordering fire fail-safe units, please state maximum torque required (at or below maximum shown in table).

- Type Codes: 1006 - spring unit  
 1201 - single spring fire fail-safe unit (72°C link)  
 1203 - double spring fire fail-safe unit (72°C link)  
 1204 - single spring fire fail-safe unit (93°C link)  
 1206 - double spring unit (93°C link)

Example: for an 05 model, ISO threads, spring clockwise, 15Nm maximum torque, the code would be:

050-020-1201 -15Nm

ATEX category 2 versions can be ordered by replacing "0" in code 1006 with "1" (i.e 1016)

