

# KeySpin™

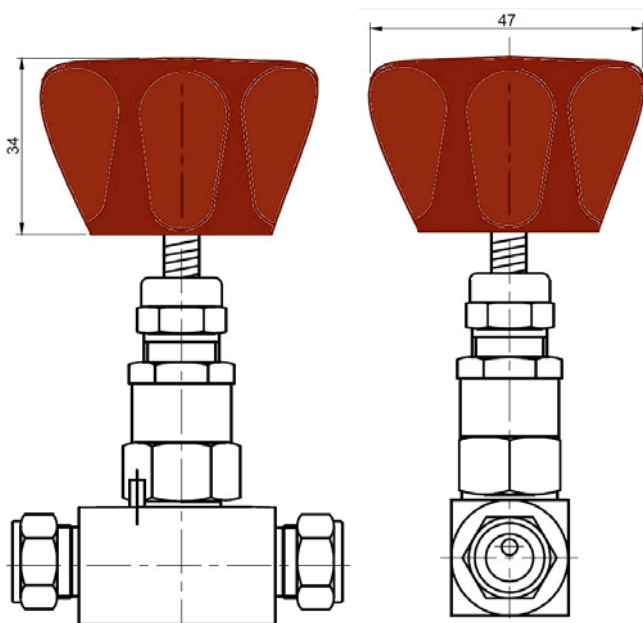
A KeySpin is an anti-tamper Needle Valve device designed to restrain un-authorized operations in industrial usage where safety and reliability is utmost important.

Do you want to make sure that your Needle valves are not getting tampered by un-authorized persons? The KeySpin is a revolutionary new way to secure Needle valves used in your plant, manufacturing unit or industry. This device has a unique free-spin magnetic locking mechanism in order to secure it from miscellaneous vandalism, unauthorized use, tampering and theft.

The KeySpin is made of rust-proof & tamper-proof locking head and a stainless steel valve engineered to withstand corrosive & extreme conditions. The KeySpin uses a coded magnetic locking system so that sliding any other magnet into the recess will not defeat the lock. It has a keyed alike mechanism, so that multiple valves can be secured with the convenience of having only one key. When the key is removed, the locking head spins on the Needle valve but doesn't turn the valve. When the key is inserted the coded magnet engages the drive mechanism. Turning the locking head now turns the Needle valve.



## Dimensions:



## Features:

- Used for secure operations of Digital Control Valves, ON-OFF Valves, Throttling Valves, and Needle Valves in Flow metering & control applications, Flow & Pressure regulations, Combustion control systems, Water heating applications, NH3 applications, etc.
- Easy to install, available in Male x Male, Male x Female, Female x Female & Tube OD to Tube OD connections
- The Needle valves are available in various sizes from 1/4" to 1" inlets
- Needle valves available in 316 stainless steel body
- Protection against vandalism
- Protection against un-authorized use
- Wide operating temperature range 0 to 60° C.

## Technical Specifications

Model	KeySpin™
Security Mechanism	Magnetic key is coded to match the lock. Sliding magnet in to the recess will not defeat the lock.
Coding of Keys	Keyed alike, so that multiple valves can be secured with the convenience of having only one key (Option for different key for each lot of locks can also available on specific request)
Key Combination	Maximum up to 8 unique codes are available
Supply of Keys	The Keys can be supplied in any one of following options: 1. Two keys with each magnetic lock 2. Two keys with one lot of magnetic locks 3. Any no. of keys can be supplied with one lot of magnetic locks
Power source	No electricity required, No battery inside, Safe for hazardous area use
RF Immunity	Operation is immune to radio frequency noise
RF Interference	No radio frequency generated
Environment Conditions	Op. Temp: 0 to 60°C Storage Temp: -20 to 85°C Humidity: 95% at 25°C (Non-condensing)
Body of Locking head	Non ferrous hardened zinc alloy
Mechanical Dimensions of Locking head & Key (Approx.)	Locking Head: 47 mm (Dia) x 34 mm (H) Magnetic Key: 66 mm (L) x 23 mm (W) x 8 mm thick
Paint / Color shade	Locking Head: Semi glossy, Ruby Red, shade RAL 3003 Magnetic Key: Black

## Operating Principle:



When the key is inserted in to the recess of the knob, the coded magnet engages the drive mechanism. Turning the locking head now turns the valve.



To secure, remove the key and turn the knob slightly back & forth. Now the locking head spins freely on the valve but doesn't turn the valve.

The information provided in this document is for general guidance only. This document is not intended as a substitute for and is not to be used for determining the suitability or reliability of these products for specific user applications. It is the duty of any such user to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Advanced Sys-tek Pvt. Ltd. shall not be liable for misuse of the information contained herein.