Installation Manual
ISEP

ISEP Installation Manual

KITZ "ISEP" is designed for installing on 58series, 68series and 801XL ball valves and can be used with up to 2" of insulation.

Always refer to the manufacturer's Pressure-Temperature limitations shown on the factory mounted lever before installing the valve; you may also refer to the P-T charts found in KITZ catalog CBV-100.

WARNING: Soft-seated ball valves are not suitable for use in high velocity throttling applications, which can hinder the shut-off capabilities of the valve. Please contact KITZ with any questions you may have regarding your application.

INSTALLATION
Do not solder the CxC valve in the line with ISEP installed, heat may damage the handle .

Threaded and Solder End valves should be installed per instructions provided in KITZ packaging.

KITZ ISEPs consist of five components, 1) Extended Handle, 2) Memory Stop, 3) Clear Plastic Sleeve, 4) Insulation Insert, and 5) Cap. The Clear Plastic Sleeve is intended to serve as a barrier and prevent possible damage to insulation while operating the Extended Handle.

1. Remove the original Lever Nut, Spring Washer (not on 58-Series) and Operating Lever.
   Save the Lever Nut and Spring Washer for use mounting the ISEP.

2. Remove the cap at the top of the extended handle and take out the insulation insert and memory stop from inside.

3. Keeping the Extended Handle inside the Clear Plastic Sleeve, place the handle on the stem.
   The stem and handle will only mate one way, be sure you have the handle positioned properly to make the connection.

4. Place the Spring Washer or Memory Stop on the stem.
   The Memory Stop is used in place of the Spring Washer IF you are going to throttle with the valve (see note 6.).
   CAUTION! If you are going to use the Memory Stop, make sure you do not place the square slot in the plate over the Body Lever Stop, you will not be able to operate the valve. The square slot is provided to help adjust the Memory Stop to the preferred position.

5. Thread the Lever Nut onto the stem.
   Caution should be taken to make sure you don't cross thread the Lever Nut.
   CAUTION! Be sure not to over tighten the Lever Nut, this may strip the stem threads. (See table 1.)

6. The Memory Stop is used to throttle a valve in a fixed position. If the Memory Stop has not already been installed, remove the Lever Nut and Spring Washer. Place the Memory Stop on the stem inside the Extended Handle, with the ribbed side facing downward. Place the Lever Nut on the top of the stem leaving it loose enough so you can adjust the Memory Stop. (Care should be taken to make sure the Lever Nut is not cross-threaded.) Rotate the Extended Handle to the desired position. Using a screwdriver or some other device and the square slot in the Stop, rotate the Memory Stop clockwise until it rests against the Body Lever Stop and tighten the Nut

7. The Insulation Insert is placed inside the Extended Handle and the Cap is attached. This will prevent debris from entering the cavity and the free flow of air, which can create condensation.

8. Before you insulate the piping you can apply some adhesive to the outside of the Clear Plastic Sleeve to hold it in place.

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Table.1 Nut torque

Product code	Valve size	ISEP #	Lever Nut		
			Size	Socket size (mm)	Tightening torque (Nm)
68/868 series	1/4" - 1/2"	ISEP1	M6	10	2.0
	3/4"	ISEP2	M6	10	2.0
	1", 11/4"	ISEP3	M8	13	3.0
	11/2", 2"	ISEP4	M10	17	5.0
58/858 series	1/4" - 3/4"	ISEP2	M6	10	2.5
	1", 11/4"	ISEP5	M8	13	2.5
	11/2", 2"	ISEP6	M10	17	5.0
801XL	1/2"	ISEP7	M7	11	3.8
	3/4", 1"	ISEP8	M9	14	7.6
	11/4", 11/2"	ISEP9	M12	17	9.2
	2"	ISEP10	M16	22	20.2

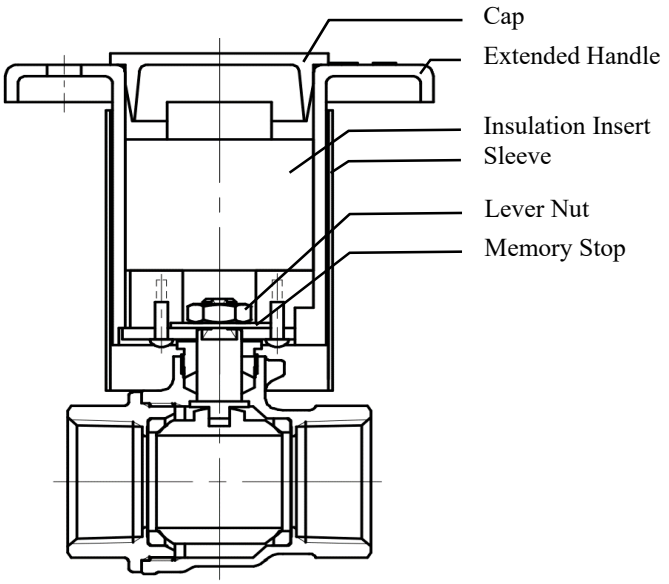

Fig. 1 Assembly drawing

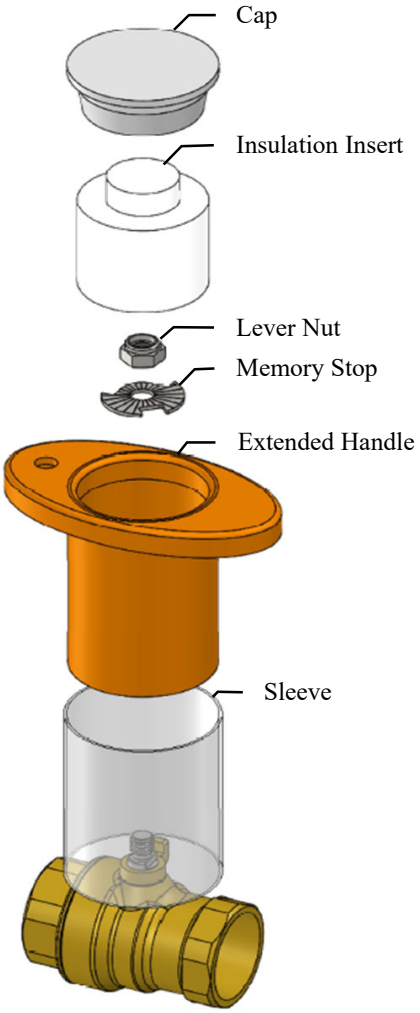

Fig. 2 Exploded drawing