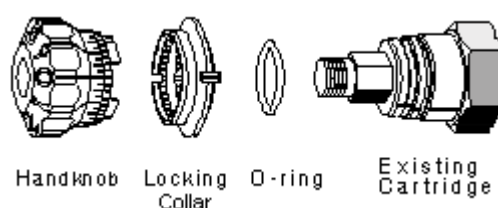
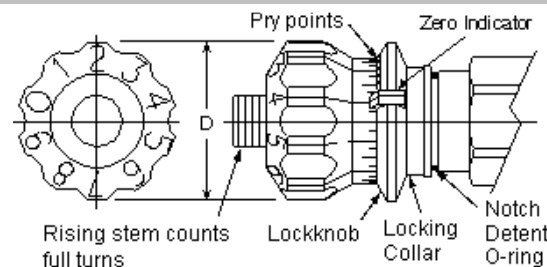


H (calibrated handknob) control kit

Model:
991-219

Sun offers a fully calibrated handknob with detent lock for all series of Sun flow control cartridges. The rising stem shows the number of full turns, and 40 graduations/detents exist per full turn. The rising detented locking collar positively locks the handknob against vibration or accidental tampering. The use of this calibrated handknob allows for desired settings to be recorded and repeated. Flow control cartridges may be ordered from Sun in this configuration by specifying an H control in the model number.



Technical Features

- The H control is only available for the cartridges listed below in Technical Data Section.
- 40 graduations (and locking positions) per single revolution.
- Allows for desired settings to be recorded and repeated.
- Field conversion kits are not available for the Calibrated Handknob control. The kit listed below contains replacement parts for cartridges originally supplied with an H control.
- Moveable zero indicator with minor disassembly.

Technical Data

	U.S. Units	Metric Units
Cartridge Models	FDCB, NCEB, NCEC, NFDC, NFDD	
Diameter	1.38 in.	35,0 mm
Material	Black plastic	
Model Weight	0.04 lb.	0.02 kg.

991-219

Display Components

	Description	Quantity
500-101-018	O-Ring	1
390-008	Knob Adjuster	1
390-009	Knob Adjuster	1
999-011-870	Literature	1

Instructions/Notes

- Only for cartridges originally supplied with an H handknob. Valves can not be modified in the field.
- 1. Turn handknob clockwise to fully closed position.
- 2. With the lockknob in the 'lock' position, remove the detent o-ring from under the knob's collar and roll it up on the skirt. The o-ring is accessible with a paper clip or equivalent through a slot in the lockknob skirt located 180 degrees from the Zero indicator.
- 3. Push the lockknob towards the cartridge as far as it will go (against cartridge shoulder).
- 4. Pull the handknob off the stem. Pry points are provided for a thin blade at the back of the handknob (behind numbers 0 and 5).
- 5. Position the handknob so that numeral 0 most closely aligns with the Zero Indicator. It may be necessary to reposition the lockknob for perfect alignment. The Zero Indicator will not vary more than 15 degrees from the desired final position.
- 6. Once Zero alignment is achieved, push the handknob onto the stem until it snaps into position.
- 7. With the lockknob in the locked position, feed the detent o-ring back under the knob's skirt.