

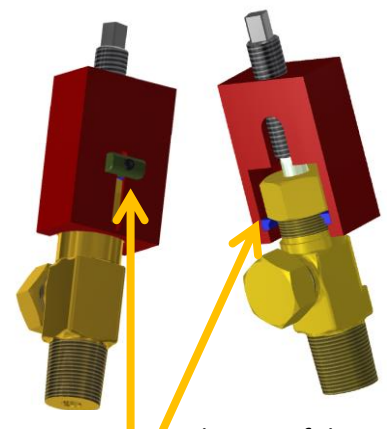
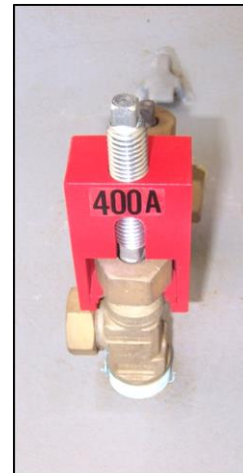
Date: October 31, 2014

Subject Matter: Chlorine Emergency Kits A & B, Device 400A

Description: Indian Springs has developed a new device for closing cylinder and ton container valves that will not shutoff due to internal problems (e.g. stripped valve stem threads). The new device is an update to Device 400, which has been available as an optional piece of equipment for A- and B-Kits since about 1986.

Background:

- The new device (Device 400A) slips over the top of a valve and is held in place by the valve's packing nut. Once the device is attached, the device's threaded screw can be tightened, forcing the valve stem back into the valve seat and closing off the container.
- It was necessary to redesign Device 400 because chlorine valves underwent a series of design modifications that prevented Device 400 from fitting all standard valves available for purchase.
- Device 400A fits all three styles of the Sherwood valve currently in use (i.e. the basic valve, the robust valve and the earlier standard Sherwood valve). It also fits the Tekno chlorine valve. It works on cylinders and ton containers, and it can be applied with a standard yoke or pig tail on the container.
- Device 400A does not fit the Ceodeux chlorine valve, which has a completely different design (i.e. it has a 2-piece stem and 2-piece packing nut design). The Ceodeux valve is not considered to be a commonly used, standard chlorine valve in North America.
- Device 400A was approved by CI's Emergency Preparedness Issue Team on 7/16/2014.
- This new device is available from Indian Springs as an optional piece of equipment for A- and B-Kits.



Computer Renderings of the new Device 400A show the adjustable pieces designed to fit multiple valve styles (pictured in green and blue above)