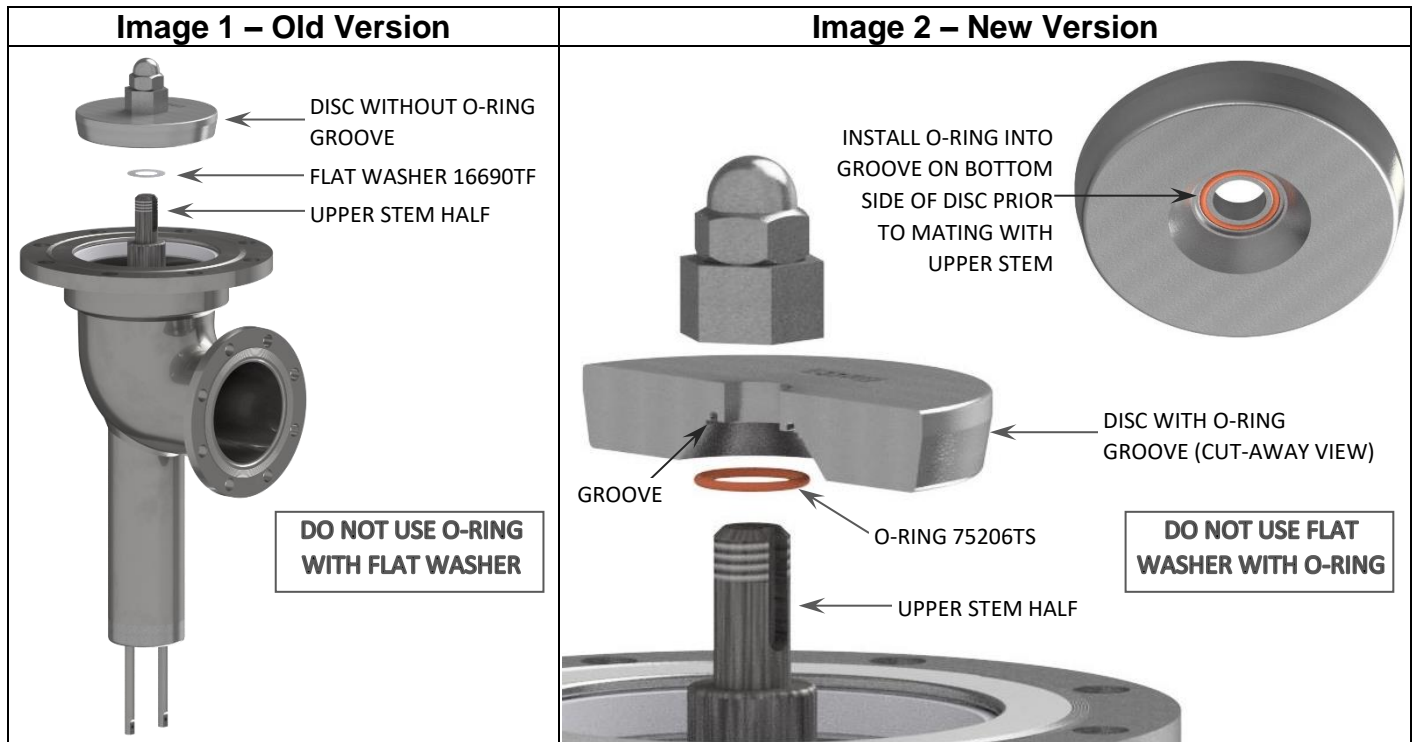
	Form Title:	ENGINEERING BULLETIN	Document #: EB-01-16 <small>(Form: DEF-003A-1)</small>
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	Document Title:	Design Change to the Disc and Seal for the External Chemical Hydraulic Valve	Date: March 25, 2020
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Description of Bulletin: This bulletin provides details concerning a design change to the disc for the external chemical hydraulic valves (CH46955SST, CH46949SST, et. al.). It also provides instructions concerning rebuilds and seal kits.

Background/Details: Valves produced prior to February 1, 2016 utilized a flat PTFE washer (16690TF) to seal the joint between the disc and upper stem half. (See image 1.) A design change has replaced the flat seal washer with a Tef-Sil O-ring (75206TS) installed in a machined groove in the disc. (See image 2.) This change was implemented to create a more effective seal and allow for metal-to-metal contact between the disc and the upper stem half. The metal-to-metal contact allows for consistent and continual tension on the stem shaft to keep the cap nut securely in place.



Bulletin Instructions: 75206TS O-ring is also used as the seal between the piston and piston holder. Rebuild kits will now include a second Tef-Sil O-ring (75206TS) to be used for the joint between the disc and upper stem, as highlighted above. Follow these guidelines for rebuild:

- If the disc has the O-ring groove, use the O-ring and discard the flat washer.
- If the disc does not have the O-ring groove, continue to use the flat washer and discard the extra O-ring.

If there are any questions, contact Betts Sales or Design Engineering Department.