DATE: 03/07/19

IMPORTANT PRODUCT SERVICE BULLETIN

PRODUCT TYPE COVERED BY BULLETIN

Brand: Kunkle
Models: 6010, 6182, 6186, 6283, 6021, 6121, 6221
Orifice Sizes: D, E, F, G, H

PRODUCTION DATES

Product manufactured between August 2018-February 2019 (See TABLE 1 for details)

BACKGROUND

Emerson Automation Solutions recently confirmed a potential discrepancy. Affected valves tested by Emerson, in some instances, may exhibit a substantial process fluid leak below the factory standard seat tightness of 80% of nameplate set pressure. Additionally, Emerson determined through testing that in some instances the affected valves could relieve above nameplate set pressure outside the tolerances permitted by ASME standards. Testing has shown no evidence of capacity reduction below nameplate value.

RECOMMENDATION

For valves that are within the affected Kunkle Products, Orifice, Seat Material and Date Code combinations set forth in TABLE 1 below that are in a system(s), applications or stock, Emerson recommends that the customer confirm that the operating limits of the system(s), applications or potential usage are not exceeded using the affected valves. Products not meeting the specific criteria in TABLE 1 are not affected nor included in this bulletin.

The affected valves have the potential for relief over nameplate set pressure as detailed in the TABLE 2 below. If the system(s) operation review determines the system(s) can operate safely with an affected valve, no further action is required. If the review determines the system cannot operate safely with an affected valve, **replace** the affected valve or perform a **field modification**, as appropriate.

TABLE 1: AFFECTED VALVES

Kunkle Product	Orifice	Seat Material	Date Code
6010, 6182, 6186, 6283	**D**	**M (Metal ONLY)**	**M18 (DEC18) to B19 (FEB19)**
6010, 6182, 6186, 6283	**E**	**M (Metal ONLY)**	**H18 (AUG18) to B19 (FEB19)**
6010, 6182, 6186, 6283	**F**	**M (Metal ONLY)**	**L18 (NOV18) to B19 (FEB19)**
6010, 6182, 6186, 6283	**G**	**M (Metal ONLY)**	**J18 (SEP18) to B19 (FEB19)**
6010, 6182, 6186, 6283	**H**	**M (Metal ONLY)**	**J18 (SEP18) to B19 (FEB19)**
6021, 6121, 6221	**D**	**T (Teflon™ ONLY)**	**A19 (JAN19) to B19 (FEB19)**
6021, 6121, 6221	**E**	**T (Teflon™ ONLY)**	**A19 (JAN19) to B19 (FEB19)**

Affected Kunkle Products can be identified from the name-plate attributes

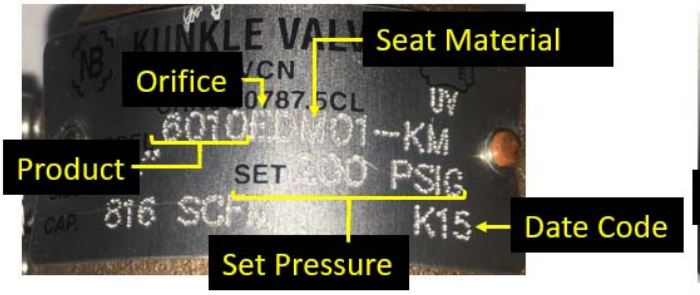

TABLE 2: POTENTIAL RELIEF OVER NAMEPLATE SET PRESSURE IN PSIG

	Nameplate Set Range in PSIG - Relief Over Nameplate Set Pressure in PSIG																
Orifice	3-7	8-10	11-15	16-19	20-24	25-29	30-37	38-46	47-57	58-72	73-91	92-114	115-139	140-169	170-209	210-229	230-250	251-300
D	1.9	2.8	4.0	5.0	7.4	10.3	10.8	19.5	19.8	25.6	32.3	44.9	53.9	58.7	69.6	81.7		
E	0.9	1.2	1.3	2.7	2.7	5.7	4.5	5.9	7.6	9.6	11.9	17.0	25.1	20.6	27.5	28.1		
F	1.1	1.3	1.4	3.1	2.0	3.3	6.7	6.6	9.5	18.0	18.6	21.3	26.4	32.0	38.2	45.0		
G	1.0	1.3	2.3	2.5	3.2	4.3	6.2	6.7	10.3	14.8	20.0	25.3	31.3	38.0	46.7	56.9		69.4
H	0.9	1.3	2.1	3.1	3.7	5.5	5.4	6.6	8.0	9.8	11.9	17.9	27.7	33.9	41.4	48.0	54.6	61.6

Valves may be returned to the Emerson Factory for discrepancy resolution

Contact the Emerson Factory via the Sales Portal, Reference Brand “Cash, Kunkle”, Inquiry Type “Warranty/Credit/ Post Shipment Inquiry”. Complete the Sections as needed, Subject of Inquiry: “Kunkle Product Service Bulletin-RMA”, Request Type: “Return Request”, select ‘Blank Support Request Form’ near the bottom of the page. If you are not provided access; request a Support Request (SR) Form in the “Comments/Details” box, “Submit”, and one will be sent to you. If access is provided; download and complete the SR form. Attach the completed form & “Submit” via the Sales Portal. A Return Material Authorization (RMA) containing Requestor contact detail, shipping address, freight, packaging and labeling instructions will be provided via email. Emerson will pay for freight to and from the Factory.

Valves may be modified in the field for discrepancy resolution

ASME Code requires that ASME Code valves be sealed to prevent set pressure adjustment. Discrepancy resolution and re-sealing of ASME Code valves must be performed by an ASME VR (Valve Repair) Certificate holder listed in the NB-18 “Redbook”, maintained by the National Board of Boiler and Pressure Vessel Inspectors. Affected valves that have had the discrepancy resolved in the field must be fit with a new nameplate with a C19 or later Date Code.

If you have any questions, please contact your local Kunkle Channel Partner, Assembler or Emerson directly; Michael Hiefner at 972-548-3813, michael.hiefner@emerson.com.

Very Respectfully,

Tung Nguyen
Product Safety Officer, Pressure Management
Emerson Automation Solutions