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Foodservice
Technologies

A BERKSHIRE HATHAWAY COMPANY



TECHNICAL SERVICE BULLETIN

Product: IDC Pro MFV Valve

Subject: IDC Pro Plunger Tip Material Change for Carb Water / Plain Water Valves

Date: 02/07/2020

Description of Potential Issue:

The current carb water and plain water plunger tip, PN: 620711131 is swelling under high pressure. The swelling of the CW or PW plunger tip can reduce the flow rate or prevent the valve from opening. This is typically caused by a recirculation system but can occur under higher water pressures.

Serial Number Range Affected:

115VAC: Prior to SN: 62A1942RP018

230VAC: Prior to SN: 6221937RP017

Cause:

Over pressurization and introduction of chloramines in the water supply causes the plunger to swell over time.

Observations:

1. Reduced or trickling flow rate
2. No flow rate
3. Valve wont open even though voltage is present and solenoid is good

Corrective Action:

If you encounter a swollen plunger tip on the CW or PW MFV valve, replace the plunger tip with the new EPDM material; PN: 620070041

Additional Info:

Please see images below to differentiat between the old and new plunger tips as both are manufactured out of a black material. You can find complete plunger tip replacement instructions by clicking on the link below.

<https://www.cornelius.com/wp-content/uploads/2019/05/IDC-Pro-and-QSP-Plunger-Tips-Replacment-Instructions.pdf>

Conclusion:

This does not require immediate action or the need to replace all CW or PW plunger tips on all MFV valves. You only need to replace the CW or PW plunger tip if it is swollen and the SN falls before the the new EPDM plunger tip was cut in. Use PN: 620070041 moving forward.

NOTE: Do not use the syrup plunger tip (PN:620711132) as a replacement. It is not intended for CW or PW.

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Brand Website: www.cornelius.com



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Swelled Plunger Tip

Check the following images to differentiate the current plunger tip with the new EPDM tip.



Current Tip-P/N 620711131: No Circle around the cavity number



New Tip-P/N 620070041: Circle around the cavity number