



CHECK VALVE INSTALLATION & MAINTENANCE

INSTALLATION:

1. CHECK INTERIOR OF VALVE FOR FOREIGN MATTER.

2. ALL ARRAY CHECK VALVES ARE DESIGNED FOR HORIZONTAL OR VERTICAL FLOW UP INSTALLATION:

HORIZONTAL – VALVE SHOULD BE INSTALLED WITH INLET AND OUTLET AT THE SAME LEVEL FOR PROPER CLAPPER ACTION.

VERTICAL – VALVE SHOULD BE INSTALLED WITH THE CLAPPER SEAT DOWN. FLOW WILL BE UP.

3. CLEAN ALL CONNECTIONS PRIOR TO ASSEMBLY. THE VALVE SHOULD BE SUPPORTED TO ELIMINATE STRAIN AND FATIGUE ON THE END CONNECTIONS.

4. ALL ARRAY CHECK VALVES HAVE BEEN TESTED TO API REQUIREMENTS PRIOR TO SHIPMENT. THE MAXIMUM WORKING PRESSURE OF THE VALVE SHOULD NEVER BE EXCEEDED IN SERVICE.

5. ARRAY CHECK VALVES ARE DESIGNED TO WITHSTAND TEMPERATURES OF 300 DEGREES F OR 177 DEGREES C. IF OPERATING TEMPERATURES EXCEED THESE LIMITS CONTACT THE FACTORY OR YOUR FIELD REPRESENTATIVE FOR RECOMMENDATIONS.



INSPECTION:

- 1. REMOVE THE BONNET COVER.**
- 2. REMOVE CLAPPER ASSEMBLY BY LIFTING OUT OF HANGER SECTION OF VALVE.**
- 3. INSPECT SEALS AND ORINGS FOR TEARS, FOREIGN MATTER OR OTHER SIGNS OF FAILURE.**
- 4. INSPECT CLAPPER SHAFT BEARINGS TO INSURE FREE ROLLING OPERATION.**
- 5. INSPECT THE CLAPPER FACE, THE SEAT FACE AND THE HANGER SECTION FOR EXCESSIVE WEAR OR DEFORMATION.**
- 6. RE-ASSEMBLE THE VALVE IN THE REVERSE ORDER OF DIS-ASSEMBLY.**

MAINTENANCE:

DUE TO SIMPLICITY OF DESIGN "ARRAY" CHECK VALVES REQUIRE MINIMUM MAINTENANCE.

RECOMMENDED SPARE PARTS CONSIST OF THE FOLLOWING:

- 1. 1 EACH CLAPPER DISC.**
- 2. 1 EACH CLAPPER SEAL.**
- 3. 2 EACH STAINLESS STEEL CLAPPER SHAFT BUSHINGS.**
- 4. 1 EACH BONNET (COVER) SEAL**

WHEN ORDERING SPARE PARTS PLEASE SPECIFY THE FOLLOWING:

- 1. VALVE SIZE.**
- 2. PRESSURE CLASS OR PSI RATING.**
- 3. VALVE BODY MATERIAL.**
- 4. TYPE OF SERVICE.**