

# KENFLEX RESILIENT HINGED CHECK VALVE

SIZES 3"-12" AWWA C508 FULL-FLOW FLEXIBLE SWING FLAP DESIGN

## SUGGESTED SPECIFICATIONS

### GENERAL

Check Valve shall be of the flanged, full body type with no internal moving parts except for the flexible swing flap disc. The flanged ends shall be manufactured in accordance with ANSI B16.1 Class 125. Valves shall be rated for 250 psi working pressure.

### REFERENCE STANDARDS

Check valve shall be designed and manufactured in accordance with ANSI/AWWA C508 "Swing Check Valves for Waterworks Service, 2 in. through 24 in."

Valves used in potable water service shall be certified to NSF/ANSI 61 "Drinking Water System Components – Health Effects, and certified to be lead free in accordance with NSF/ANSI 372.

### VALVE BODY

The valve body shall be cast and manufactured of ASTM A-536 Gr. 65-45-12 Ductile Iron with flow area equal to the nominal pipe inside diameter through the valve. Valve seat shall be constructed on an angle to reduce disc travel. The valve body interior and exterior shall be coated with fusion bonded epoxy suitable for overcoating when required.

### VALVE BONNET

The valve bonnet shall be cast and manufactured of ASTM A-536 Gr. 65-45-12 Ductile Iron. A molded O-ring shall be provided in a machined groove in the body to provide seal between body and bonnet.

### VALVE DISC

Valve disc shall feature a metal insert fully encapsulated with EPDM. The cracking pressure of the disc to open without position indicator is less than 1 PSI.

### TESTING

All valves shall be tested in accordance with ANSI/AWWA C508 requirements. Manufacturer shall provide written confirmation of testing when requested by customer.

