1. **SCOPE**

   This product specification covers ductile iron check valves, 4 in., 6 in., 8 in., 10 in. and 12 in. for use on sewer force mains and lift station discharge piping.

2. **GENERAL REQUIREMENT**

   a. Check valve body shall be of ductile iron conforming to ASTM A536, Grade 65-45-12. The flow direction arrow shall be cast on the exterior of the body.

   b. The exterior of the check valve shall be coated with a universal alkyd primer and the interior shall be coated with an epoxy coating.

   c. The disc shall be precision molded Buna-N (NBR), ASTM D2000-BG.

   d. A screw-type backflow actuator shall be provided for check valves in non-buried installation.

   e. A pre-wired limit switch (Open and Closed) shall be provided for check valves in non-buried installation. An external position indicator that is in continuous contact with the disc shall activate the mechanical type switch. The switch (two wire) shall be rated for NEMA 4 and shall have UL rated 5 Amp, 125 VAC contacts.

   f. Flanged ends (non-buried installation): Flanged fittings have 150 lb. flanges and shall be faced and drilled in accordance with ANSI Specification B16.1, Class 125.

   g. Mechanical Joint Ends (buried installation): Mechanical joint bell dimensions shall conform to ANSI A21.11/AWWA C111.

3. **QUALITY ASSURANCE**

   a. The Rogers Water Utilities may, at no cost to the manufacturer, subject random check valves to testing by an independent laboratory for compliance with these
SWING FLEX CHECK VALVE
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b. standards. Any visible defect or failure to meet the quality standards herein will be grounds for rejecting.

c. All check valves shall be domestically manufactured.

The following manufactures are approved for swing flex check valves.

APPROVED MANUFACTURERS LIST

Val-Matic Mfg. Company