

ROGERS WATER UTILITIES SEWER SYSTEM
ROGERS, ARKANSAS

SPECIFICATIONS FOR
SWING FLEX CHECK VALVES
DECEMBER 2004

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

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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