

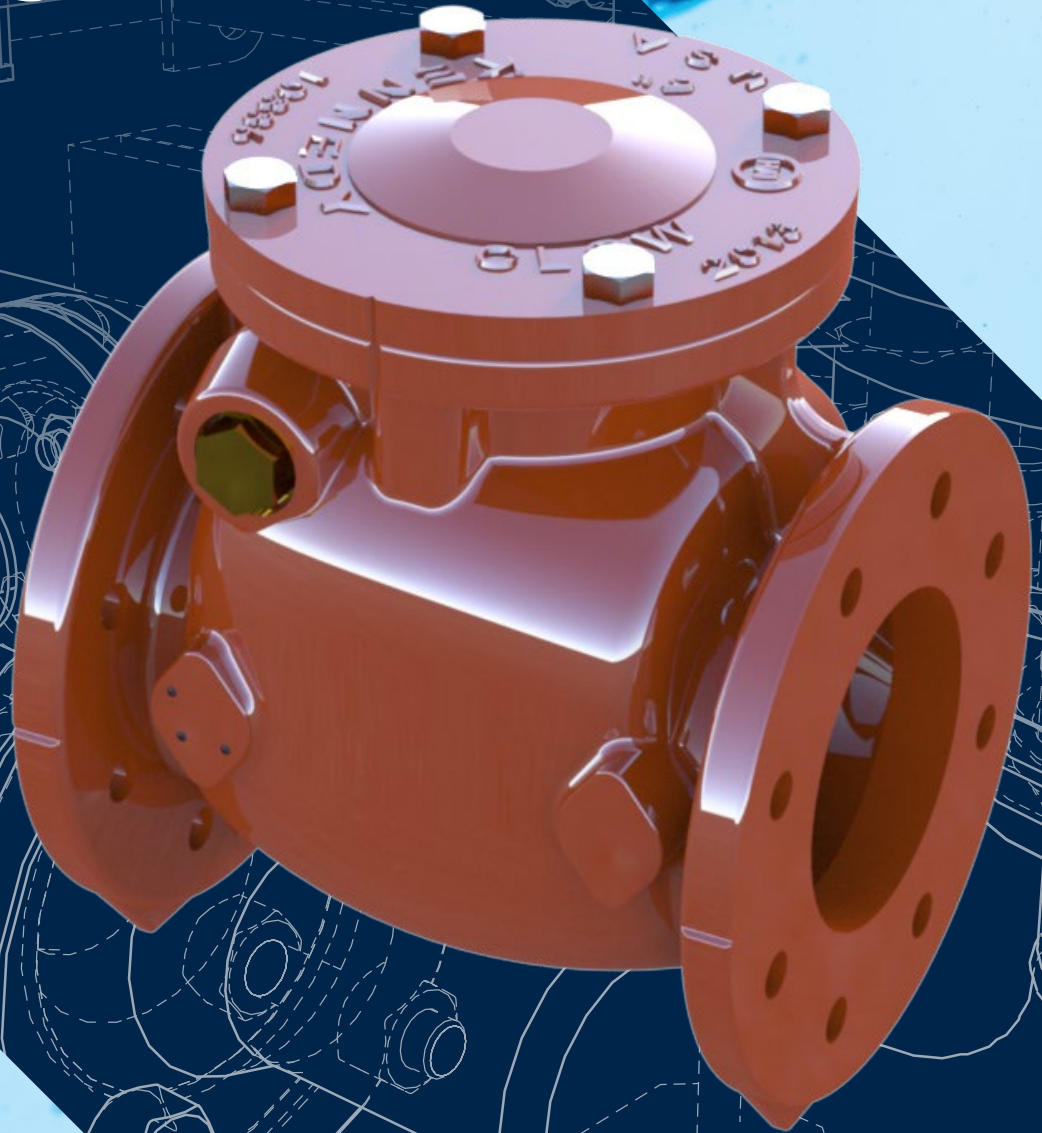
MPI
MCWANE
PLANT & INDUSTRIAL

CLOW
VALVE CO.
MH **KV**
MANHOLE VALVE COMPANY KENNEDY VALVE

SWING CHECK VALVES

AWWA C508

mcwanepi.com



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SWING CHECK VALVES



PRODUCT OVERVIEW

MPI's Swing Check Valves are designed and manufactured in conformance with AWWA C508. Under certain circumstances where it is desirable to have more positive control of the closing on the disc, the valves can be supplied with either lever-and-spring or lever-and-weight.

Swing check valves are used for the prevention of backflow in water systems where there is the possibility of a pollutant in the user's system back flowing into the potable water system. They are self-contained, free-swinging disc style which can be purchased with an outside lever and weight or outside lever and spring options conforming to AWWA C508 standards. The valves can also be purchased with outside air or oil cylinders when

required by customer requirements or project specifications. Valves sizes 2"-24" can be ordered with double lever arms. Valve sizes 30" and larger come with standard double lever arms.

For check valves to function properly and not be a source of chatter and water hammer, there must be at least 1/2 psi differential across the valve under normal flow conditions. When in doubt the check valve should be undersized. For service in normal environments (clear water or dry air) at temperatures less than 100° F, resilient seated valves will allow less backflow and minimize water hammer vs. metallic seated valves. For service other than clean water consult the factory.

KEY CHARACTERISTICS	
Size Range	2"-36"
Materials	Bronze or Resilient disc seat, Cast Iron A126B or Ductile Iron A536 body, Bronze or SS body seat ring, Limit Switch, Double Lever Arms, air and oil cushions
Pressure Range	2"-12" 200 PSI, 14"-36" 150 PSI
Temperature Range	0°F-250°F
Body Style	Flanged Connection
Standards	AWWA C508, NSF/ANSI 61/372 certified

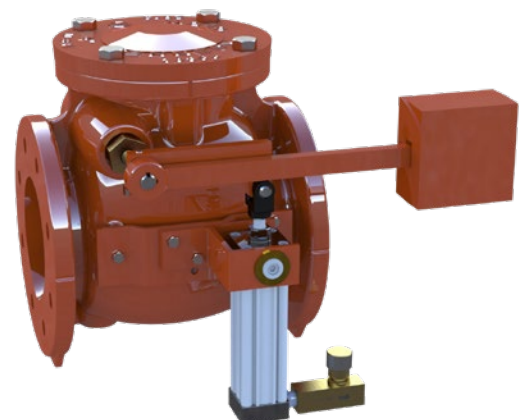
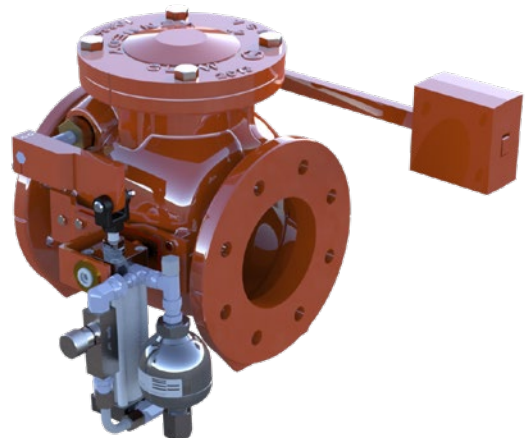
SWING CHECK VALVE FEATURES & BENEFITS

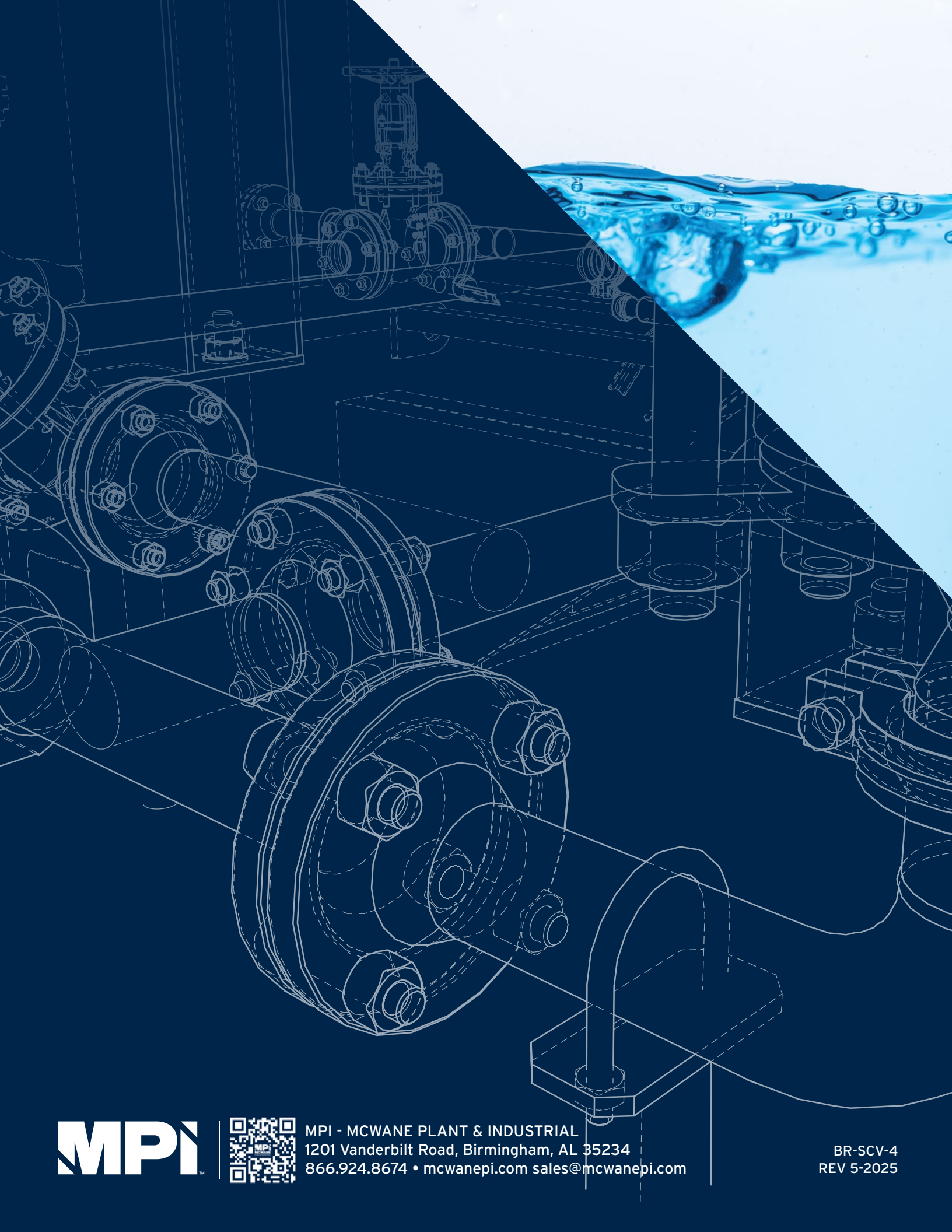
STANDARD FEATURES

- Sizes: 2" - 36"
- Size 30" - 36" valves come standard with double lever arms
- Bronze or resilient seated
- Working parts removable through top of valve for ease of maintenance
- Stainless steel hinge pin
- NSF/ANSI 61/372 Certified
- Fusion bonded epoxy coated
- ANSI B16 125# flange connection
- Sizes 2"-12" 200 psi rated working pressure
- Sizes 14"-36" 150 psi rated working pressure
- Full waterway flow through the valve equal to nominal diameter of the pipe
- Horizontal or vertical (flow up) installation
- Field adjustable to best adapt to operating conditions
- Dual lever arms available for extreme rapid flow reversal applications

OPTIONS

- Optional double lever arms on sizes 2"-24"
- Plain/gravity operated
- Lever arm and weight
- Lever arm and spring
- Air and oil cylinders for additional control
- Tapped bosses available for drainage or by-pass





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