

## When You Are Under Pressure To Install A Valve In An Operating Line

Can be Used in Water Lines With Up to 150 PSI Ambient Pressure

Installed Valves in 4" thru 8" Sizes Have the Same Number of Turns to Open as Any Other Comparable Size Valve in Your System



Uses Modern Compression Gate Technology

4" thru 8" (QuikValve™) and 10" thru 12" (InsertaValve™) Installations in Cast Iron, Ductile Iron, A/C or PVC C900 Pipe

### SOME COMMON QUESTIONS AND ANSWERS...

- Q. Does the valve have the same number of turns as a standard valve?
- A. 4"-8" QuikValves™ have the same number of turns to open as a "standard" gate valve. 10"-12" valves include a gear operator, which increases the number of turns to open to approximately 215.
- Q. What are differences between the QuikValve™ sleeve and a standard fabricated tapping sleeve?
- A. There are three main differences:
1. The QuikValve™ sleeve has a machined neck due to the tolerances required to allow the insert to seal.
  2. The QuikValve™ sleeve uses an all-around full seal gasket and armors instead of just a neck ring.
  3. The QuikValve™ sleeve has a narrow range, just  $\pm 0.10$ , again to optimize sealing characteristics.
- Q. Why do you use an all-around gasket instead of a neck ring on the QuikValve™ sleeve?
- A. We felt that sealing all the way around the pipe added significantly to the stability of the product. This is the design we have always used in our clamp products. The all-around seal gives an increased safety margin against any leaking around the edges of the QuikValve™ sleeve, supports the pipe and applies a more even pressure gradient to the outside diameter of the pipe wall.
- Q. What is the valve insert made of?
- A. The insert is a Ductile Iron cast plug that is encased with 55 durometer SBR rubber. The rubber is bonded to the casting during the rubber molding process.
- Q. Does the valve meet the AWWA valve specification?
- A. No, there is no AWWA specification that covers the QuikValve™. If it ever does have an AWWA specification, it will be under a new category, separate from the standard cast valve specifications. The QuikValve's™ operating mechanism, the stem and nut, are standard and meet AWWA requirements.
- Q. What is the sleeve made of?
- A. ASTM A-36 steel, epoxy coated to a 10 - 12 mil thickness.
- Q. Will the QuikValve™ always give a 100% seal?
- A. From Romac Industries: "The general intention of the InsertaValve™ is to perform as a water control device, giving an effective shutoff of the flow of water. Effective shutoff is considered to be the restriction of flow by 95% or better. It is not designed to provide a 100% shutdown in every installation, although it normally exceeds effective shutoff expectations and frequently *does* achieve 100% shutoff. Because we cannot guarantee 100% stoppage in every application, the InsertaValve™ is not the appropriate valve to use if you are intending to try to pressure test against it."
- Q. What types of pipe can the QuikValve™ be used on?
- A. Asbestos-Cement, Ductile Iron, Cast Iron and C900 PVC.
- Q. What is the warranty period on the QuikValve™?
- A. One year.

# Valves and Tapping Sleeves C-6

# QuikValve™ Insertion Valve 4" thru 8"



## Specifications for the QuikValve™ Tapping Sleeve:

- **General** - The sleeve is fabricated to assure a 360° seal around the pipe under working pressures up to 150 psi. (Test pressure; 225 psi) It is designed to accommodate the equipment and fixtures necessary to drill and ream the pipe and install the QuikValve™ Insertion Valve without any interruption in water service.
- **Materials** - The sleeve is made of ASTM A-36 steel, epoxy coated to 10-12 mils.
- **Flange** - A special flange is used that mates with the QuikValve™ installation equipment and insertion valve.
- **Neck** - The neck is manufactured to precision tolerances that assure proper alignment, support and sealing of the QuikValve™ insert.
- **Lugs** - Lugs on the sleeve are configured to properly align the sleeve halves during installation, provide a bolting surface and assure a 360° seal. The lugs are designed to prevent excessive stress on the pipe and minimize distortion of soft (PVC) pipe.
- **Bolts & Nuts** - High strength low alloy steel (Corten™) bolts and nuts meeting AWWA standard C-111. Type 304 stainless steel bolts with SDC nuts are optional.
- **Gaskets** - All gaskets are made of Styrene Butadiene Rubber (SBR) compounded for potable water service in accordance with ASTM D2000 3 BA715. The gaskets provide a positive 360° seal on the pipe and assure a tight, durable and resilient seal at the pipe sleeve — valve insert junction.
- **Coating** - The sleeve is lined and coated with fusion bonded epoxy. Epoxy meets the requirements of AWWA C-213.
- **Armors** - Heavy gauge type 304 stainless steel armor plates are used to bridge the gap between the sleeve halves.

## Specifications for the QuikValve™ Valve Assembly:

- **General** - The valve assembly, when installed in a QuikValve™ sleeve, performs as a water control device with an effective shutoff of the flow of water. The valve is installed in the open position, under water pressure without any interruption of water service. The QuikValve™ gives an unobstructed full flow waterway after installation.
- **Insert** - The insert consists of a ductile iron casting coated with SBR rubber compounded for water service with a durometer of 55 Shore A. The insert seals on the inside diameter of the QuikValve™ sleeve neck and the lower half of the water main.
- **Valve Stem** - The stem and nut assembly are in accordance with AWWA C-500-80, section 3.12.
- **Flange** - A special flange, made of ASTM A-36 steel is used that holds the valve assembly together and acts to seal against the valve sleeve flange.
- **Gasket** - The valve flange gasket is made of SBR rubber, compounded for water service in accordance with ASTM D2000 3 BA715, with a durometer of 70 Shore A. The gasket acts as the sealing interface between the valve flange and the sleeve flange.
- **Bolts & Nuts** - Grade 3 alloy steel, zinc plated for corrosion protection. Type 304 stainless steel bolts, nuts and washers are optional.

**QuikValves™ are sold "as installed"  
only. See Section P for  
service information.**