



Transmate

1-800-426-9341
www.romac.com

Quik Valve Insertion Machine

QuikValve™

“When you are under pressure to install a valve in an operating line”

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.

Sleeve: ASTM A-36 steel.

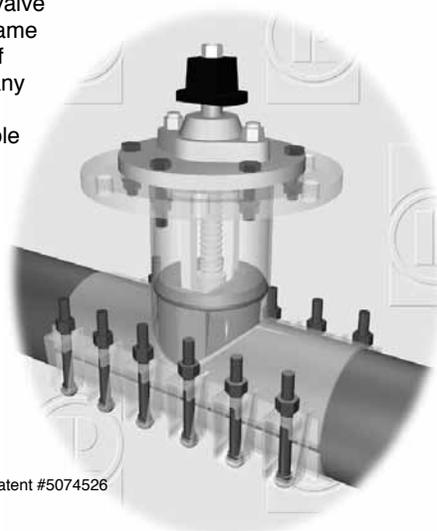
Flange: A special flange is used that mates with the QuikValve installation equipment and insertion valve.

Neck: The neck is manufactured to precision tolerances that assure proper alignment, support, and sealing of the QuikValve insert.

Bolts and 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.

- 4", 6" or 8" installations in cast iron, ductile iron, A/C and some classes of PVC pipe
- Uses modern resilient gate technology
- Can be used in water lines with up to 150 psi ambient pressure
- Installed valve has the same number of turns as any other comparable valve in your system



Coating: The sleeve is lined and coated with fusion bonded epoxy.

Armors: Heavy gauge type 304 stainless steel armor plates are used to bridge the gap between the sleeve halves.

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.

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 and Nuts: Grade 3 Alloy steel, zinc plated for corrosion protection. Type 304 stainless steel bolts, nuts and washers are optional.

For more information on the QuikValve™ Machine, please contact your regional Romac/Transmate representative at 1-800-426-9341

Material Specifications

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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 a full 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.



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Installing the QuikValve is as easy as

1 • 2 • 3 • 4

1. Install the QuikValve sleeve

The QuikValve Sleeve supports and strengthens the pipe. The full all around gasket assures water containment for the life of the valve.

The sleeve acts as the valve body and is designed to withstand additional temporary stresses during the QuikValve installation.

Epoxy coated A-36 sleeve

Full all around gridded gasket with stainless steel armors

Corten or stainless steel bolts and nuts



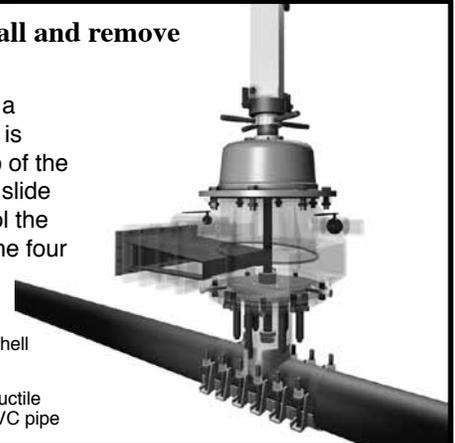
2. Drill the pipe wall and remove the coupon

Drilling proceeds like a lateral tap. A coupon is removed from the top of the pipe. The temporary slide gate is used to control the water flow between the four installation steps.

Temporary slide gate

Drill bushing stabilizes the shell cutter

Works with A/C, cast iron, ductile iron and some classes of PVC pipe

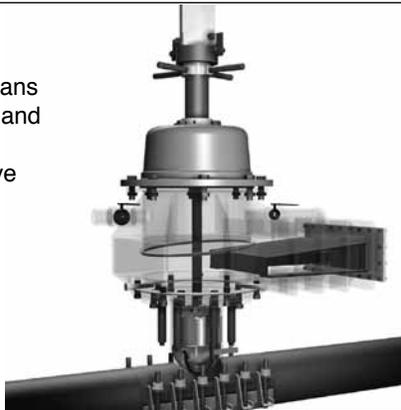


3. Ream the pipe

A ball nosed reamer cleans away any tuberculation and forms a smooth sealing surface for the QuikValve insert.

QuikValve Insertion Machine also doubles as a 3" to 12" lateral tapping machine

Reamer blades are M-4 tool steel

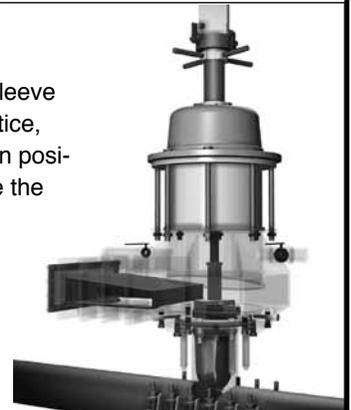


4. Insert the valve

The valve is pressed into the sleeve neck and bolted into place. Notice, the valve is inserted in the open position. You decide when to close the valve.

Spacer spool gives additional room for the valve insert before it is pressed into place

Remove the water caps and thread nuts onto insert flange bolts



QuikValve™ Sleeve Dimensions

SLEEVE DIMENSIONS					
FLANGE SIZE	DIMENSIONS / QUANTITY				
	A	B	C	*D	E
4"	18.0	6.75	12.65	12.35	12
6"	18.0	8.50	14.40	14.00	12
8"	24.0	10.50	16.40	16.50	16

*OD to accept QuikValve Installation Equipment

