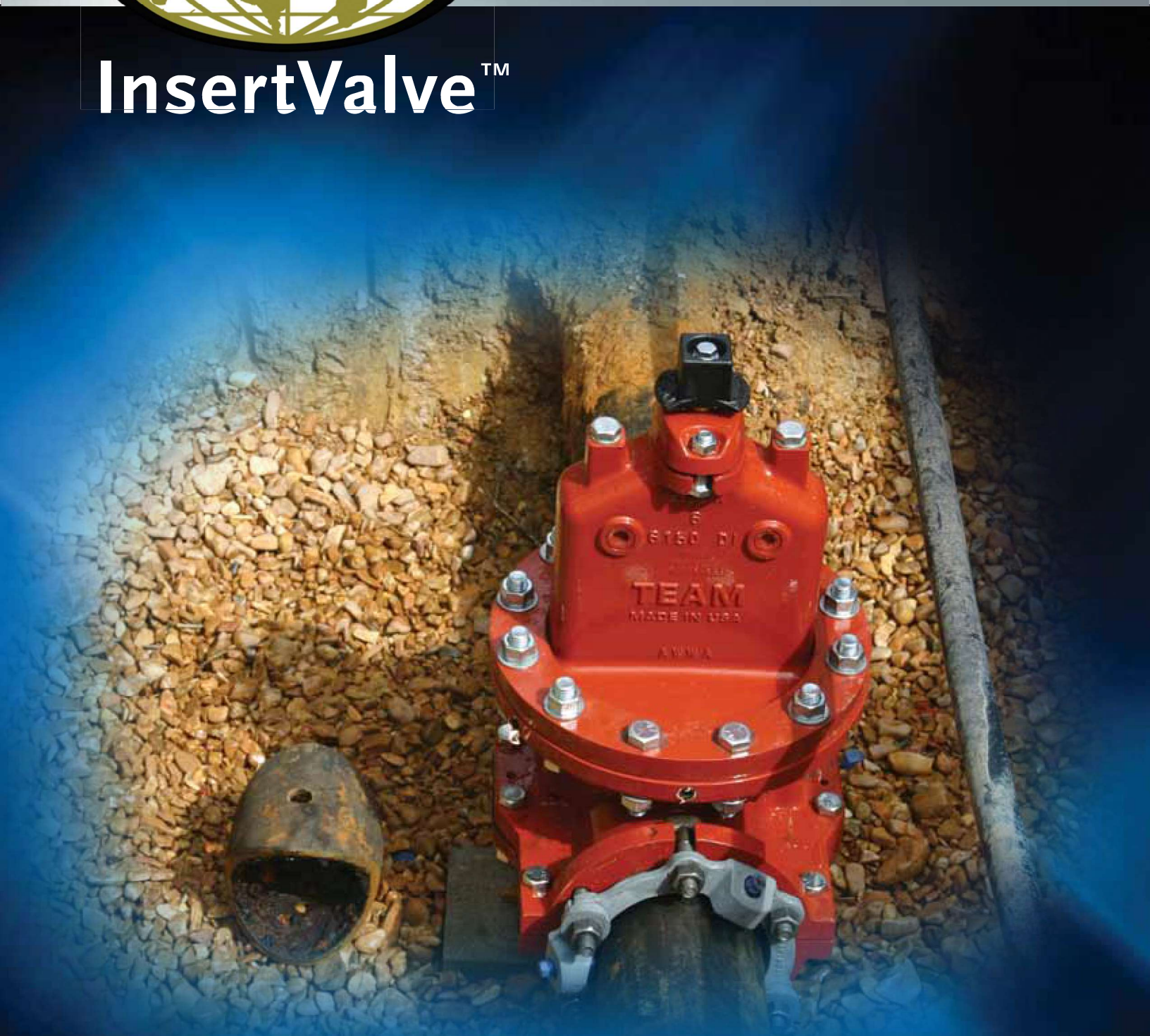
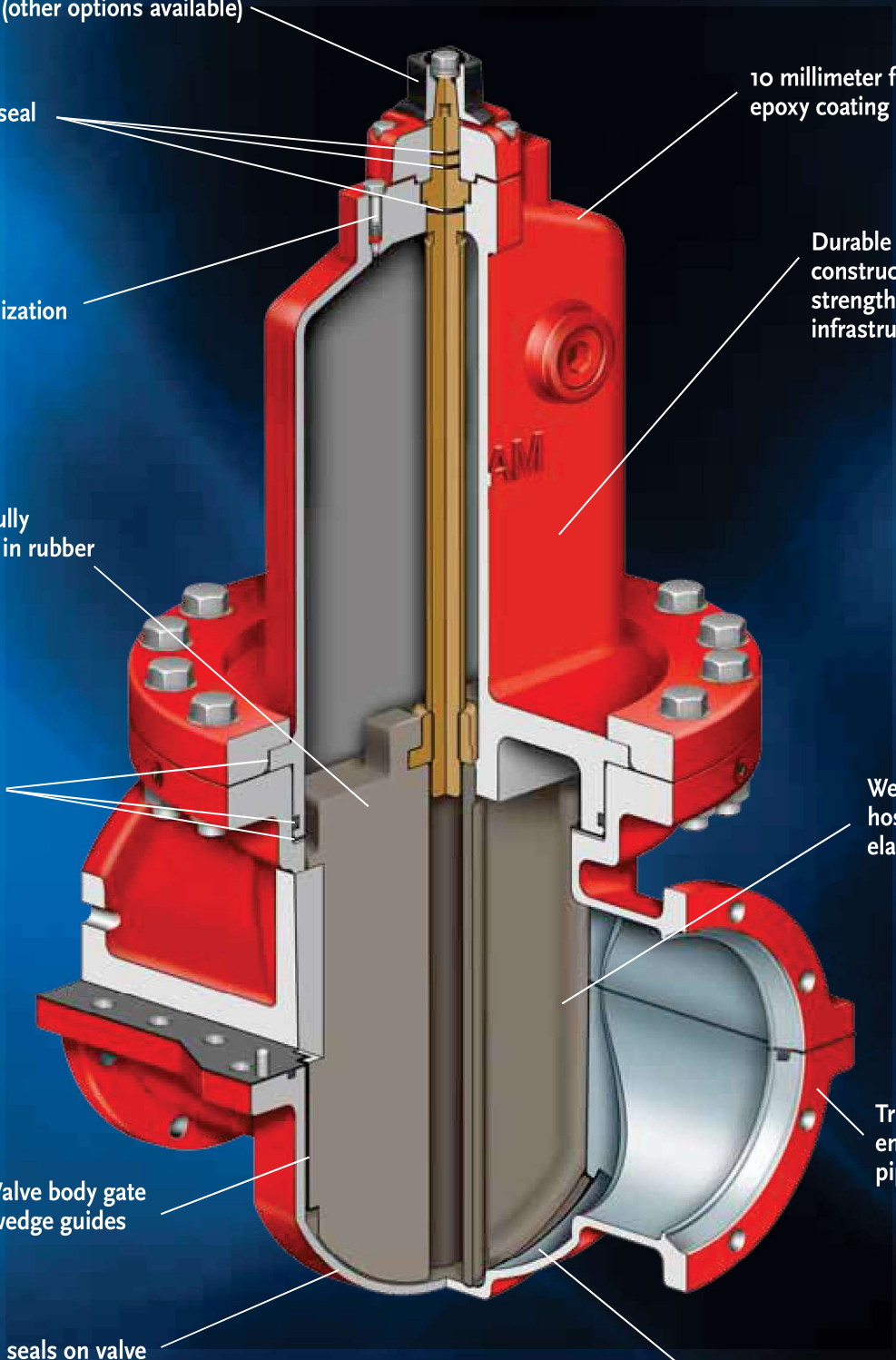
InsertValve.com

InsertValve™



MADE IN USA

The InsertValve is a fully functioning, resilient wedge gate valve with a rated working pressure of 250 psig. The valve fully closes, and it provides a clear, unobstructed waterway under full rated working pressure. The valve's superior design and engineering characteristics provide many distinct operational benefits.



Value, Reliability, Performance

InsertValve's patented InsertValve delivers value, reliability and performance second to none in a wide range of pipeline industries and applications, including tapping, line stopping, valve insertion and capital improvement connection. This field–proven valve installs under pressure, eliminating the need for costly system disruptions and product waste.

A Real Valve, Inserted Under Full Line Pressure

- Meets ANSI/AWWA C515 material standards
- Installs on a full range of pipe sizes and types
- Valve permanently restrained to the pipe to maintain pipe integrity
- Provides instant isolation zones for security and peace of mind
- Eliminates backflow contamination, purging and bac-t hits
- Allows for removal/replacement of downstream pipe at any time
- Enables in-line, under pressure repair of all moving parts
- Ensures clean valve seat after installation process

An InsertValve installation under full line pressure.

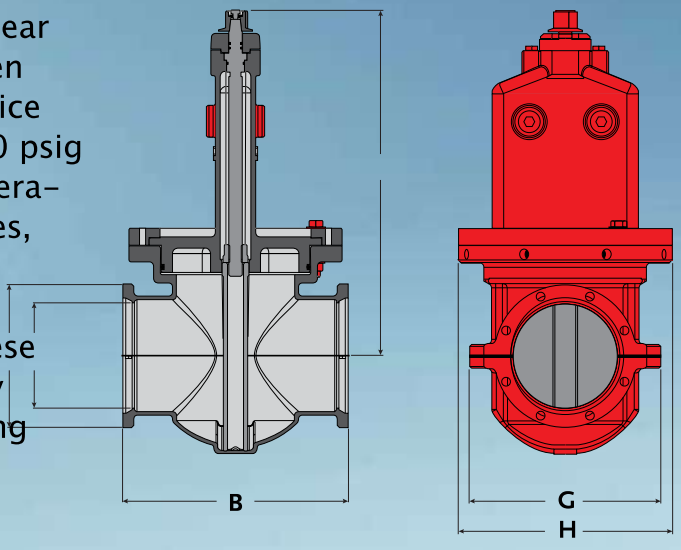
The InsertValve can be installed in any orientation on any type of pipe material.

InsertValves on AC pipe for main control and hydrant replacement preventing asbestos fibers becoming airborne.

An InsertValve with position indicator plate. Valve can be fitted with gear or handwheel operators.

An Inside Look at The InsertValve

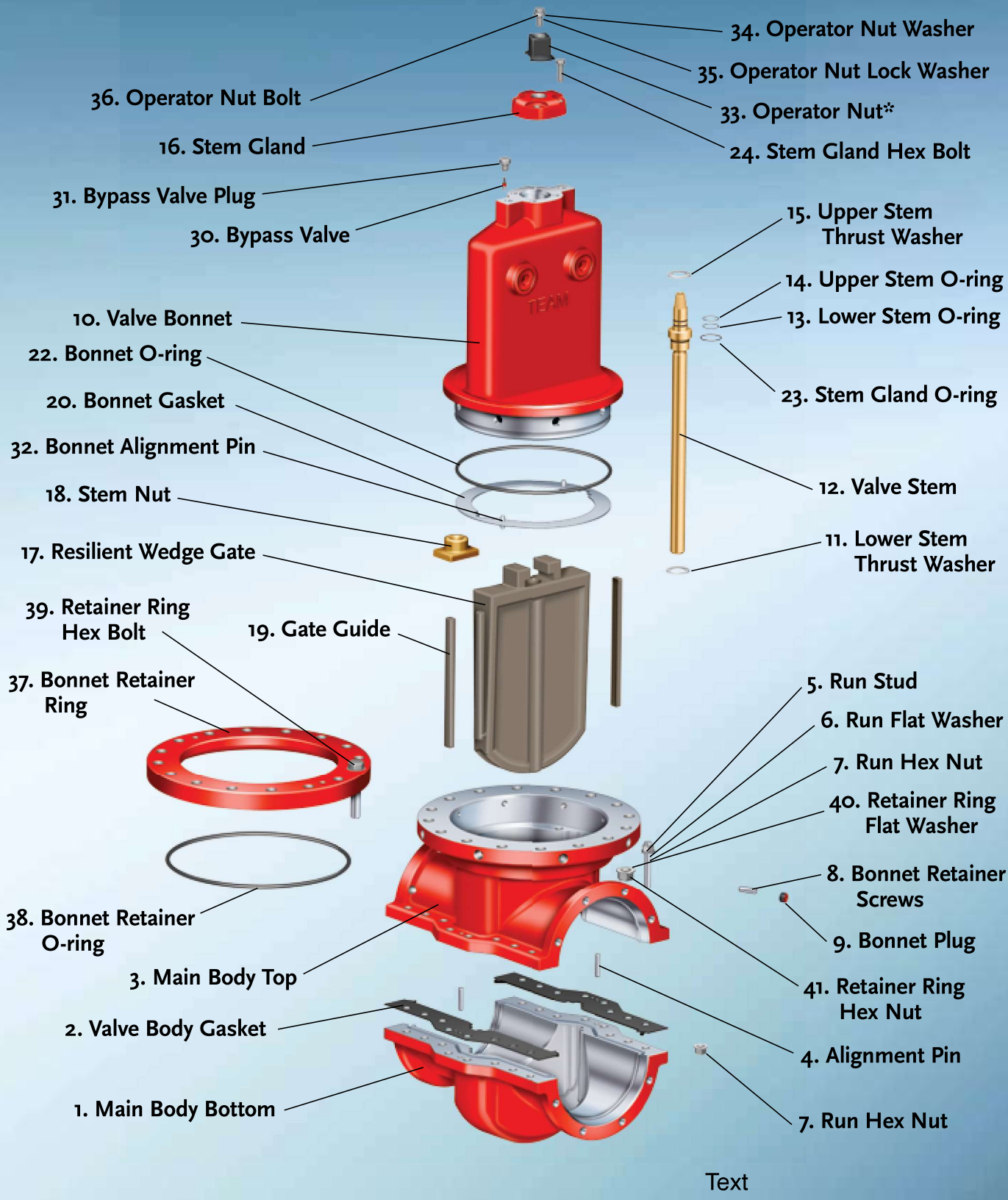
The InsertValve is available in 4-inch thru 12-inch sizes with handwheel and gear operators. Valves and operators have been tested and proven to deliver reliable service at pressures ranging from vacuum to 250 psig and temperatures to 180°F (higher temperature options available). Unlike some valves, the InsertValve is designed to handle full water and wastewater system hydraulic forces that are typically applied. And, these rugged valves can be oriented in virtually any position on any type of pipe, including ductile iron, cast iron, steel, PVC and AC.



Nominal Size	4"	6"	8"	10"	12"
A	21" (533)	23 1/2" (597)	28 1/4" (718)	36" (914)	41" (1041)
B	16" (406)	18" (457)	20" (508)	25" (635)	30" (762)
C	9 1/2" (241)	11 1/4" (286)	13 1/2" (343)	15 3/4" (400)	18" (457)
F	4.5-5.26 (114-134)	6.63-7.2 (168-183)	8.63-9.3 (219-236)	10.75-11.3 (273-287)	12.75-13.42 (324-341)
G	13 1/4" (337)	15 1/4" (387)	16" (406)	21" (533)	24" (610)
H	13 1/2" (343)	16" (406)	19" (483)	23 1/2" (597)	27 1/2" (699)

Typical pipe with internal obstructions. InsertValve gate sits on the valve body and not the host pipe.

An under-pressure look of clean valve seat.



*The InsertValve can be equipped with various operators, including gear and handwheel, as well as a post indicator.

Fast, Easy Installation

Team offers professional installation by trained and certified technicians. Valves and complete installation packages are also sold for successful third–party.

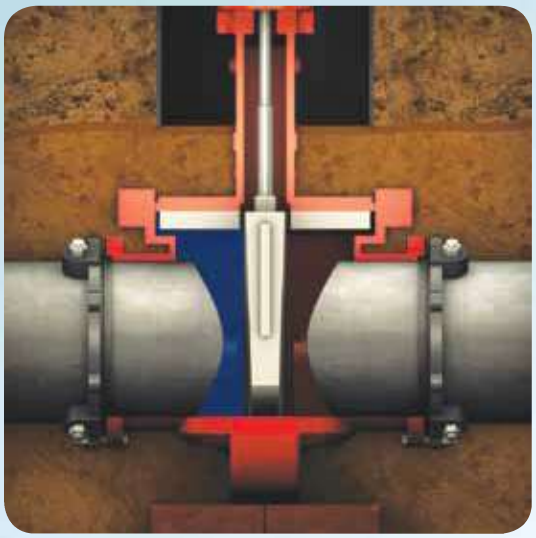
installation. Either way, you get a valve that meets or exceeds all recognized industry requirements. InsertValve installs in three easy steps.

Step 1

Tapping machine removes complete section of pipe.

Step 2

Insert bonnet into the valve body.



Step 3

Valve is now operational.

The InsertValve, with its permanent, resilient seat, has just been installed into the piping infrastructure without interruption or loss of pressure. A valve box is installed and the valve is ready for operation.

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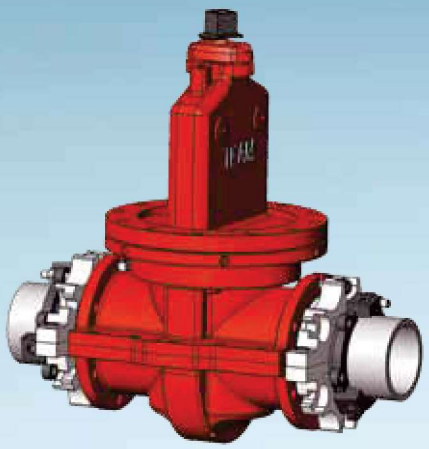
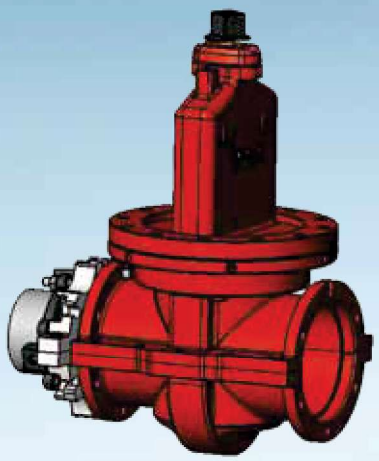
Capital Improvement Connection™

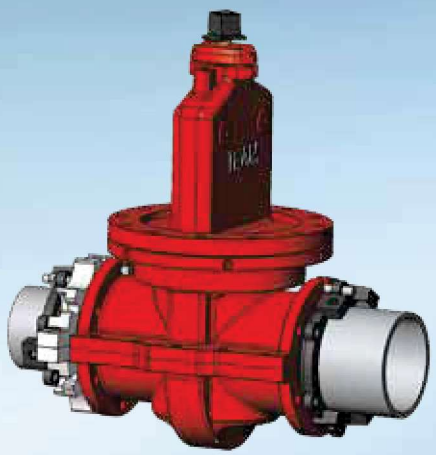
Specify the Team Capital Improvement Connection (CIC) for your next capital improvement project. Team's CIC provides valve control today, and pipe replacement tomorrow, even upsizing of the pipe if necessary. This is made possible by the unique design of its integral mechanical joint connection coupled with the fact that the host pipe is not a permanent part of the CIC.



Install the InsertValve size of your choice.



Restrain the valve and remove the downstream pipe.



Install new downstream pipe.

Line Stopping

After you've finished the capital improvement project, you can either leave the bonnet or remove the bonnet. The choice is yours. The infrastructure is not compromised with Team's ductile iron MJ line stop fitting.

Low-profile bonnet used as line stop.

Internal equalization completion plug installed.

Blind flange installed.

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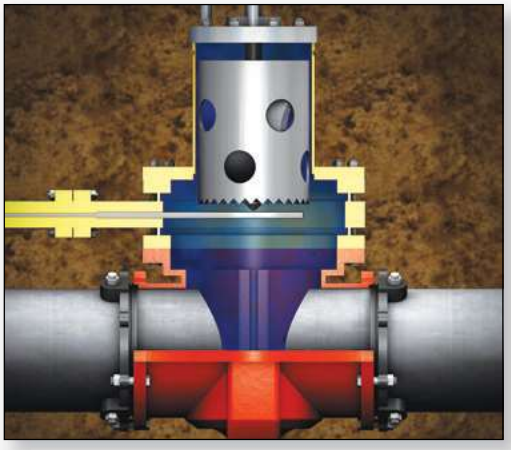
InsertValve

We Invite you to check out our data sheet for the InsertValve.

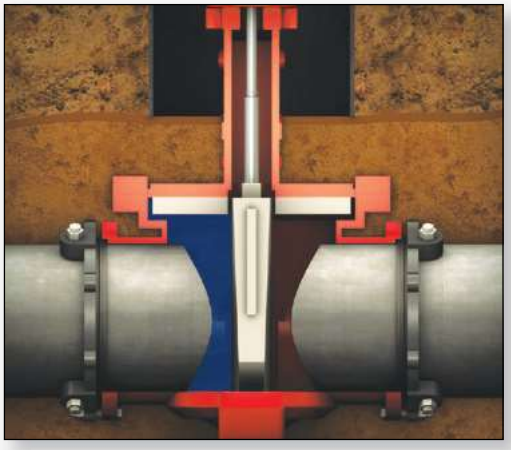
	InsertValve	Option 1	Option 2
Made in the USA with steel and iron originating in the US*	+		
NSF/ANSI Standard 61 certified—listed on UL website#	+		
Valve body is 100% ductile iron (not fabricated steel)	+		
Meets AWWA standards for a gate valve	+		
Allows for downstream pipe replacement for capital improvement	+		
A larger valve can be installed on smaller pipe	+		
MJ Connections	+		
Gate wedge seals on valve body not the host pipe	+		
250 psi operational pressure	+		
One body installs on a variety of different types of pipe	+		
Gate wedge operates in a gate guide for reliable shutdown	+		
Gate wedge does not contact edges of cut pipe	+		
Operational in unbalanced pressure conditions	+		
Can be the first valve closed in event of a main break	+		
Designed on valve technology not Linestop technology	+		
Pipe and valve are two separate components	+		
Valve can be used as a Linestop	+		
Offers years of maintenance free operation	+		
Can be installed without knowing pipe ID or wall thickness	+		
Standard number of turns to open or close	+		
Designed to handle dynamic changes of a hydraulic system	+		
Internal equalization allows for safe bonnet to body insertion	+		
Features an inspection/vacuum tool to assure a clean seat	+		
Equipment performs Linestops and is adaptable for MJ/Flange Hottaps	+		
Valve can be rebuilt while on-line or at a later date if needed	+		
Many Service Locations Nationally	+		
Free Technical Support	+		

Is there any question to how well this valve works?

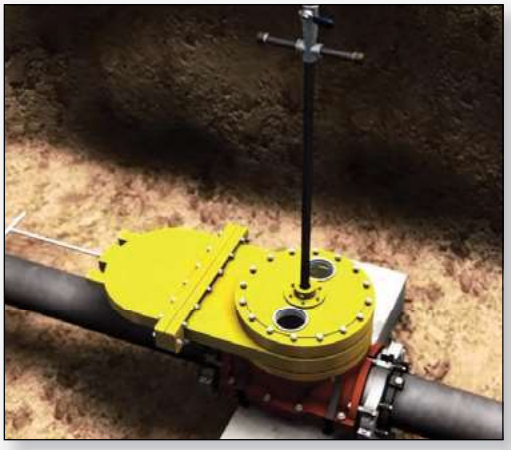
Capital Improvement Without System Shutdown



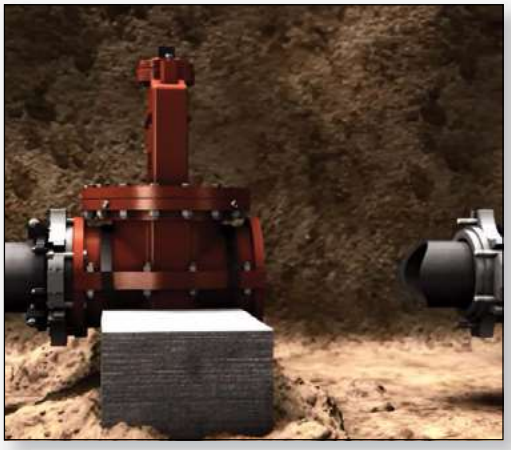
Step 1
Tapping machine removes complete section of pipe (coupon removed).



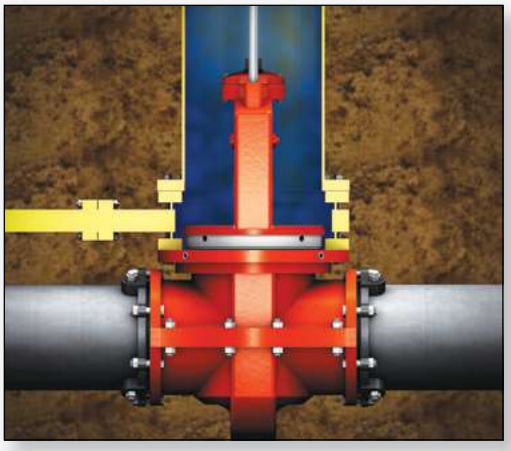
Step 4
Close resilient gate wedge.



Step 2
Inspect and vacuum remaining chips.



Step 5
Remove downstream infrastructure.



Step 3
Insert bonnet into the valve body.

Step 6
Connect new pipe.

International Flow Technologies, INC. 30230 Los Alamos Road, Murrieta, CA. 92563
Toll Free 1-800-221-3332 | sales@InsertValve.com | www.InsertValve.com

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INSERT VALVE

- The **InsertValve**™ with Resilient Seat Gate, from start to finish; Made in the **USA**.

- Sizes – 4", 6", 8", 10", 12" Water & Sewer Applications
- Standard valve body installs on Steel, PVC, C-900, Cast-iron Ductile-iron and class 150 A/C pipe without modifications.
- 2" square wrench nut (Optional Hand-wheel) open left or open right Non-rising stem (NRS)
- Meets or exceeds ANSI/AWWA C515 Standards
- Ductile Iron body with nominal 10 mils Epoxy Coated
- Epoxy coating meets or exceeds ANSI/AWWA C550 Standards and ANSI/NSF 61
- Iron wedge, encapsulated with molded rubber
- Triple O-ring seal stuffing box (2 upper & 1 lower O-rings)
- 4"-12" sizes – 250 psig (1723 kPa) maximum working pressure
- Call today for a free quote! 800-221-3332 or visit www.InsertValve.com

Dimensions

Dimension*	Nominal size		
	4"	6"	8"
A	18	23-1/2	28-1/4
B	16	18	20
C	9-1/8	11-1/4	13-1/2
F Largest std. O.D.	5	7.2	9.3
Smallest std. O.D.	4.5	6.63	8.63
(Larger & smaller custom O.D.'s available, Please Call)			
Turns to open	15	21	27
Weight*	155	230	295

*All dimensions are in inches. All weights are in pounds and are approximate.

Dimension*	Nominal size	
	10"	12"
A	35	37-1/2
B	24	27
C	15-11/16	17-7/8
F Largest std. O.D.	11.4	13.5
Smallest std. O.D.	10.75	12.75
(Larger & smaller custom O.D.'s available, Please Call)		
Turns to open	34	39
Weight*	490	595

(patent# 6776184 /other patents pending)