

The 41mm milling bit:
The pivotal component in
maintaining pipe integrity;
Saving time and money
(one cutter for all sizes)



EZ₂TM provides
precision,
convenience,
speed,
and reliable
performance

The EZ₂ valve design maintains pipeline integrity by only milling out a 41mm slot, 120° across the top of the pipe allowing our resilient wedge design to make a solid seal even in tuberculated pipe.

41mm
Slot

3 Easy Steps . . . Plus Your Choice

1



Place and secure the
precision machined
valve body to the pipe.

2



Mill the 41mm slot by
rotating valve assembly
and cutter 120° across
the top of the pipe
(no coupon, all milling
chips removed).

3



The integral isolation
valve allows for
removal of the cutter
and the installation
of the valve bonnet,
all under full line
pressure.

Plus



Remove bonnet and
install cover plate
(under pressure) after
use as a line stop.

All steps are performed quickly, under pressure, in one excavation, and without interruption of service. **And You** decide – **"Take it or Leave it"SM** – The Valve Bonnet stays for a permanent valve insertion or it leaves for reuse after temporary line stop.

(400mm installation shown above)

EZ₂TM Technology



The EZ₂ System is compact & lightweight for rapid deployment in emergency situations

"The 8th Wonder of the World"

We didn't say it about our EZ₂TM Valve, but we appreciate that an important customer did. And he had many good reasons to feel positive about the EZ₂TM performance. His municipality benefitted greatly –

- Under 1 hour install time while maintaining line pressure
- No boil orders issued
- No need to de-chlorinate or re-chlorinate
- Avoided a shutdown that would have effected one-third of the city
- Local restaurants, retailers, and businesses did not suffer losses
- Installed valve meets AS 2638.2 and AS/NZS 4158 material standards
- Provides a 1600 kPa rating
- Operates with the normal number of turns
- EZ Valve has a Super OD range which accommodates most types of pipe. For special OD's contact your nearest AVT representative.

For complete information about products and services contact your AVT representative or our main office.

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EZ₂TM Technology:
The Latest Advancement
in Valve Insertion or Line Stopping.
1 Machine, 2 Functions!



"Take it or
Leave it"SM

Advanced Valve Technologies, P/L.

The EZ₂TM Process

The EZ₂TM system was developed to provide important performance and installation benefits to professionals working under difficult conditions and with critical needs.

Advanced Valve Technologies delivers

- High quality components meeting industry standards (AS 2638.2 and AS/NZS 4158 material spec)
- Rapid installation procedures (reduced field-work hours)
- Single excavation performance
- Standardized operation (normal turns to actuate valve)
- Compact design (lower weights; simpler lifting equipment)
- Pipe-line integrity maintenance (no sectional or circumferential pipe intrusion, only a milled slot with no coupon drop)
- Lightweight and compact installation equipment
- No service interruption (process is completed under pressure)
- Sizes available for 100mm through 400mm systems

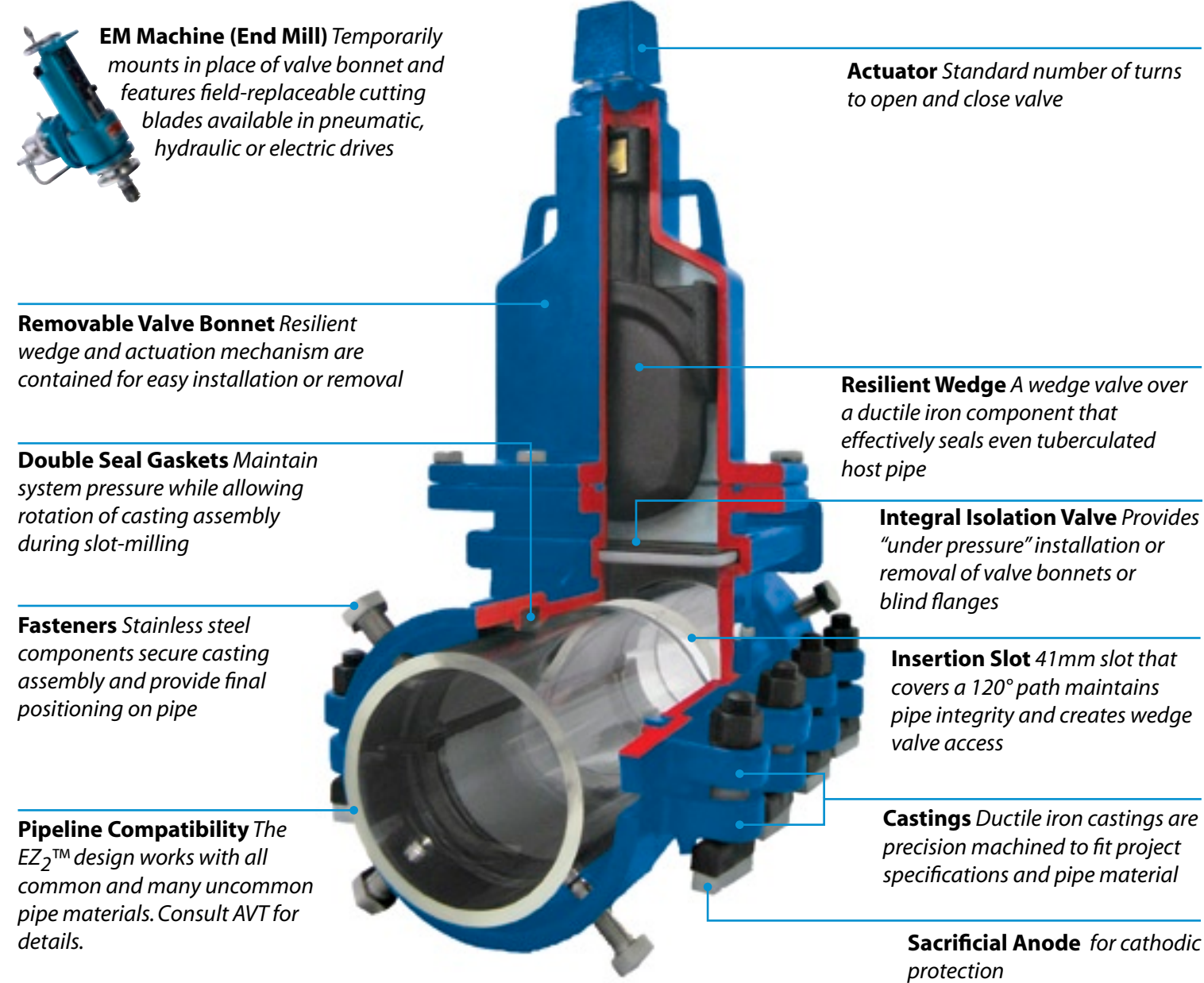
Plus -

- Integral isolation valve and
- "Take It or Leave It" Valve bonnet design lets you choose to retain the insertion valve operation or temporarily create a line stop; the bonnet may be used for multiple projects.



Tight quarters are no problem for EZ Valve

The EZ₂TM System



Rapid and Reliable Installation Process



Prepare insertion site by lubricating the gasket contact areas



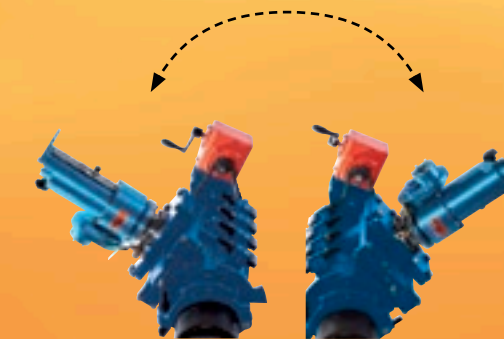
Lubricate gasket sets and gasket channels in casting bodies



Assemble ductile iron castings with stainless steel fasteners to accept 1600 kPa and temporarily permit rotational travel for milling



Close integral isolation valve (horizontal wedge); attach milling tool and rotational control assembly; open isolation valve; pressure test before cutting



While maintaining system line pressure, mill 41mm slot over a 120° path

Note: Slot is normally cut to provide for a vertical valve alignment, but installer can select any desired position.



Retract milling head, close isolation valve, and replace milling tool with valve bonnet; remove rotational control assembly and tighten casting fasteners to final torque values



Open isolation valve and operate EZ₂TM valve as needed. For Line Stop Applications: Replace valve bonnet with a blind flange by utilizing isolation valve

EZ₂TM Benefits

Installation

Fast and Convenient

Performance

Meets Industry Standards

Quality

Precision Engineered

Design

Unique Concept

Versatility

One System, Two Functions

Environment

Single Excavation and Low Profile

Both the final EZ₂ assembly and the installation equipment kit have been developed to be lighter and more compact than alternative methods. The result: quick and sure installations in record times. It's faster and easier, with fewer steps than older methods such as shutdowns and line stops.

The ductile iron castings, corrosion resistant FBE coatings, and stainless steel fasteners incorporated in the EZ₂ system have been carefully chosen and tested to deliver reliable and trouble-free service. EZ₂ materials meet AS 2638.2 and AS/NZS 4158.

EZ₂ components are manufactured and matched to deliver repeatable and dependable service. A complete insertion valve assembly can be created to meet your non-standard application or non-typical pipe material. Consult AVT for special projects.

An EZ₂ assembly maintains pipe integrity while providing an easy-to-install, easy-to-use and easy-to-adapt solution. The full encirclement ductile iron casting design, narrow access resilient wedge valve, integral isolation valve and removable bonnet deliver field-elective operating options.

The "Take It or Leave It"SM valve bonnet feature provides the flexibility to either insert a permanent, high quality valve or temporarily use EZ₂ for an economical and single excavation line stop.

EZ₂ installs under pressure and in one excavation eliminating expensive multiple excavations. Faster installation times save man-hours while avoiding residential and business disruption to your system.

In comparison to traditional line stop equipment, EZ₂'s low-profile design usually permits plating over to keep traffic moving instead of requiring alternative routing and the attendant costs.

• WATER CONSERVATION • ENVIRONMENTALLY RESPONSIBLE • FAST • EFFICIENT • NO CUSTOMER DISRUPTION