

VELAN



SAVE MONEY,
REDUCE RISK,
AND
INCREASE
SAFETY.



NEXT GEN VALVES FOR SAFE AND EASY REPAIRS

Valve failure can have costly consequences and cause significant productivity losses. Even a seemingly inexpensive valve can end up costing over \$10,000 to replace, making the ability to extend the life of a valve a critical factor in buying decisions.

Velan's latest patent-pending design includes pre-drilled/tapped field injection ports providing pre-positioned access to the valve's packing chamber for the precise application of injectable packing should a leak be detected in an LDAR fugitive emissions compliance program. In addition to saving end-users money and reducing down time per valve replaced, this innovation will also help:

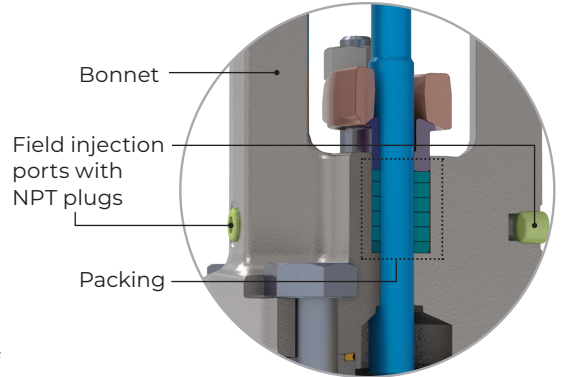
- Increase operator safety during valve repair
- Reduce the risk of error in the injection process and damage to valve internals
- Decrease repair time, increase valve life.

Velan. Quality that lasts.

OUR COMPETITIVE ADVANTAGE

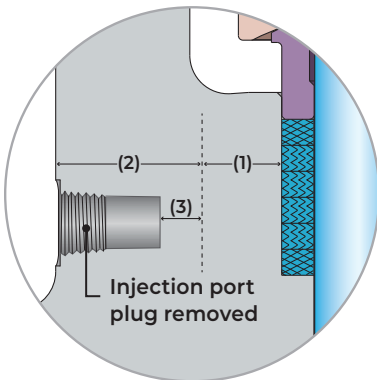
- ▶ Extends the life of an already high-performing valve.
- ▶ Field injection port includes pre-drilled/tapped field injection ports providing pre-positioned access with proper vertical and perpendicular packing alignment, minimizing the risk of drill-through, and protecting valve internals.
- ▶ Manufacturer-controlled wall thickness and pre-drilled/tapped depth, ensuring precision and consistency.
- ▶ A quicker repair time lowers the cost for drill and tap, and injection.
- ▶ Valve ready for final drilling step and packing injection if needed, making it a reliable and a low maintenance option.
- ▶ Fully backed by Velan's engineering expertise to support LDAR (leak detection and repair) programs and ESG (environmental social governance) initiatives.
- ▶ A sustainable solution that helps reduce fugitive emissions.

Bonnet with field injection port



The field injection port is standard on bolted bonnet gate and globe NPS ¼–2 (DN 8–50) Class 150–1500.

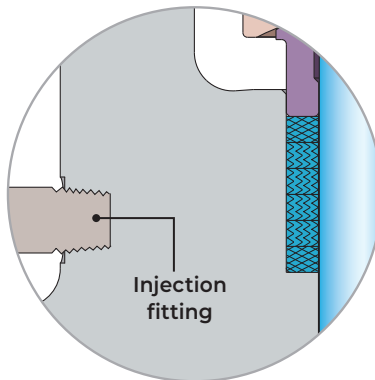
FIELD INJECTION GENERALIZED DRILLING STEPS⁽⁴⁾



STEP 1:

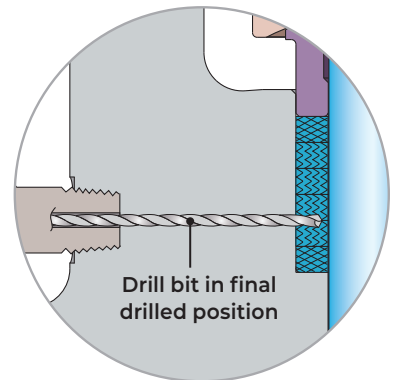
Locate and select one of the two field injection ports from either side of the bonnet, and remove the NPT plug.

- (1) API 602 wall compliance.
- (2) Additional forging wall available for injection port integration.
- (3) Remaining additional forging wall after injection port integration.



STEP 2:

Install injection fitting into the field injection port.



STEP 3:

Drill to the specified injection depth.⁽⁴⁾

⚠ Caution: Valve drilling and field injection is to be performed by a qualified valve injection professional.

(4) Consult Velan for detailed technical support.

Contact us to find out how we can solve your process challenges