



STATS GROUP

Managing Pressure, Minimizing Risk

BISEP[®] ADVANTAGES

▶▶▶▶▶ Over Line Stop Technology



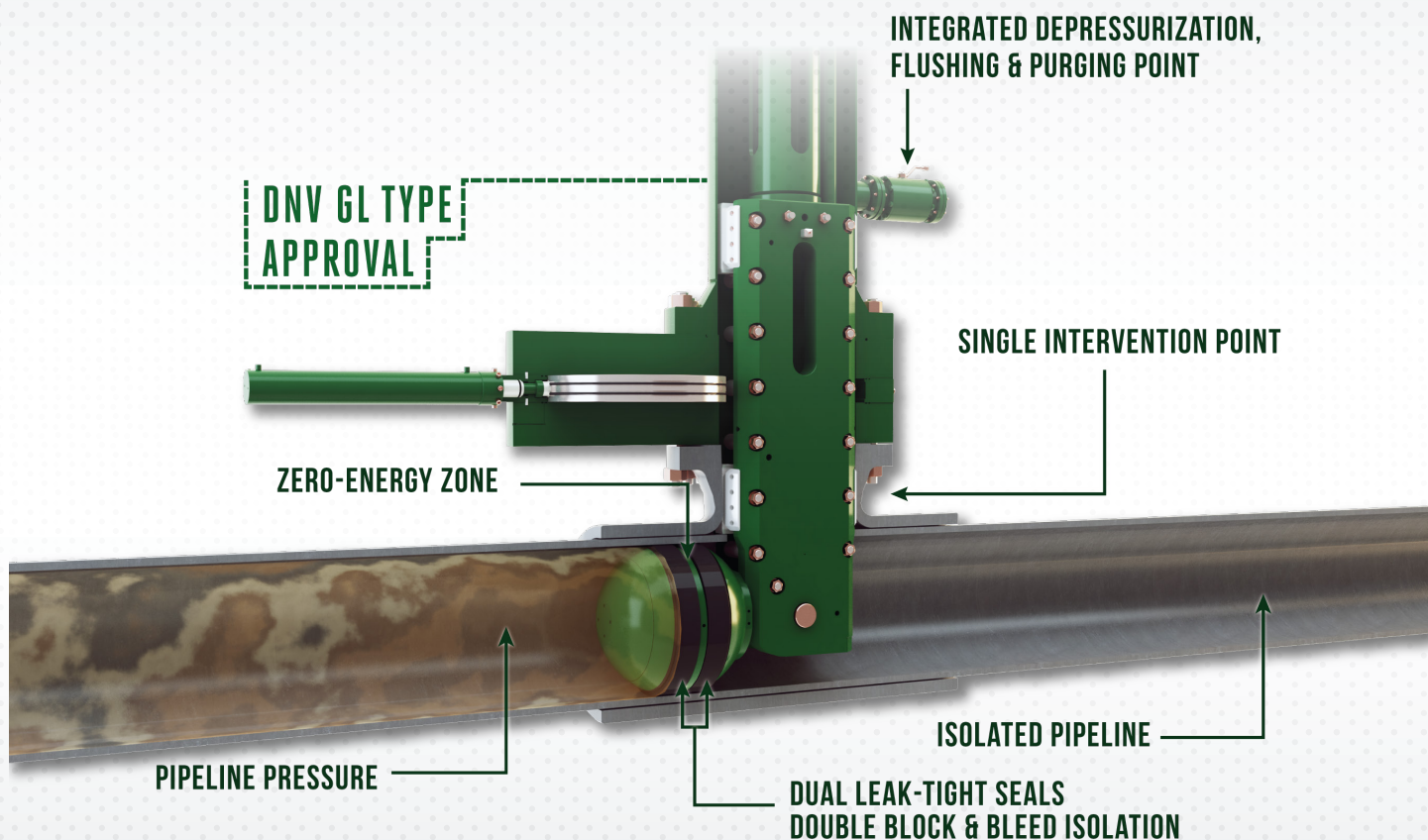
 **BISEP[®]**
Temporary Line Plugging

STATSGROUP.COM



BISEP[®] Temporary Line Plugging

Pipeline owners and operators are constantly looking to improve operational safety and reduce time and costs during maintenance and repair. STATS BISEP[®] developed more than a decade ago, is the true industry-first, leak-tight double block and bleed isolation technology. The BISEP is the market leading technology solution for temporary line plugging, offering a leak-tight seal every time. The BISEP offers significant safety advantages over traditional line stop technologies and is deployed through a single hot tap intervention, reducing costs and resulting in faster job completion.



The BISEP provides a fully verified leak-tight dual seal isolation, deployed through a single hot tap intervention with no purge fittings.



The dual seal isolation barrier is confirmed once each seal is independently tested with full pipeline pressure - and the pressure between the seals is vented, creating a zero-energy zone.



The zero-energy zone between the seals is monitored throughout the workscope, confirming the isolation integrity with zero leakage - increasing worker safety.



Hydraulically activated elastomer seals provide leak-tight isolation in high pressure or ambient pipelines, the seals can be manipulated to improve performance when sealing in pipes with issues such as pitting, ovality or weld seams.



BISEP[®] ADVANTAGES

Over Line Stop Technology



The BISEP launcher (housing) features integrated ports to allow safe depressurization of the isolated pipeline, flushing and purging without welding additional fittings onto the line.



The BISEP seals are designed to resist back pressure and can be used as a pressure boundary to perform a reinstatement test of the newly repaired or replaced pipe section.



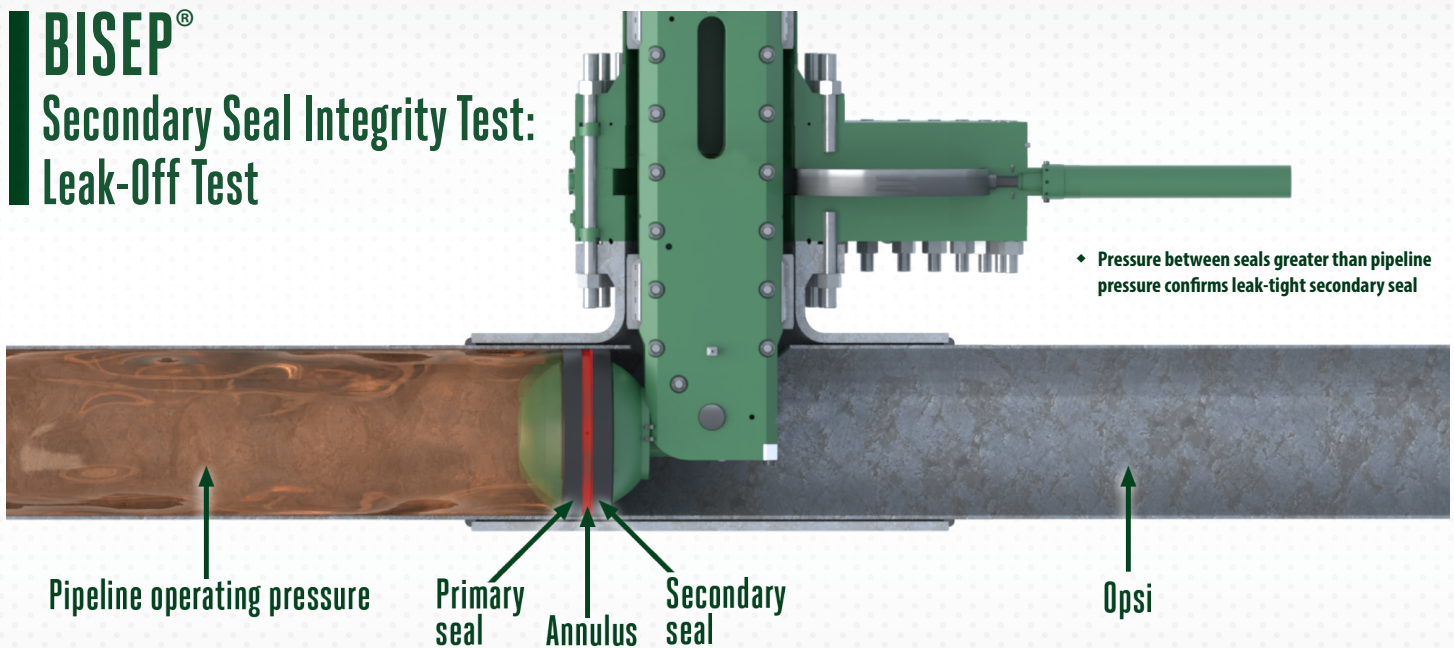
Fail-safe isolation: the BISEP seals are activated and maintained by two independent mechanisms, hydraulic activation and pressure differential across the seals provided by the pipeline pressure.



The BISEP can be installed and deployed into any orientation of pipe, including horizontal, vertical and inclined pipelines.

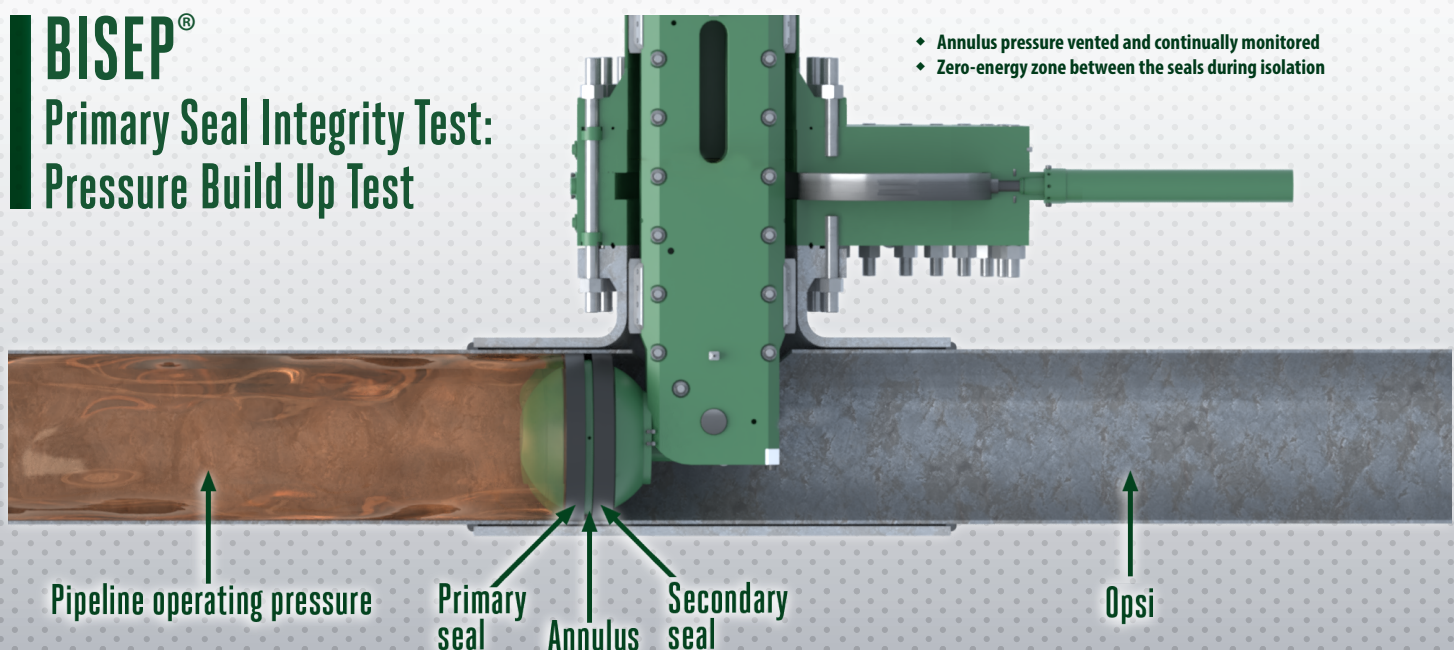
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Secondary Seal Integrity Test: Leak-Off Test



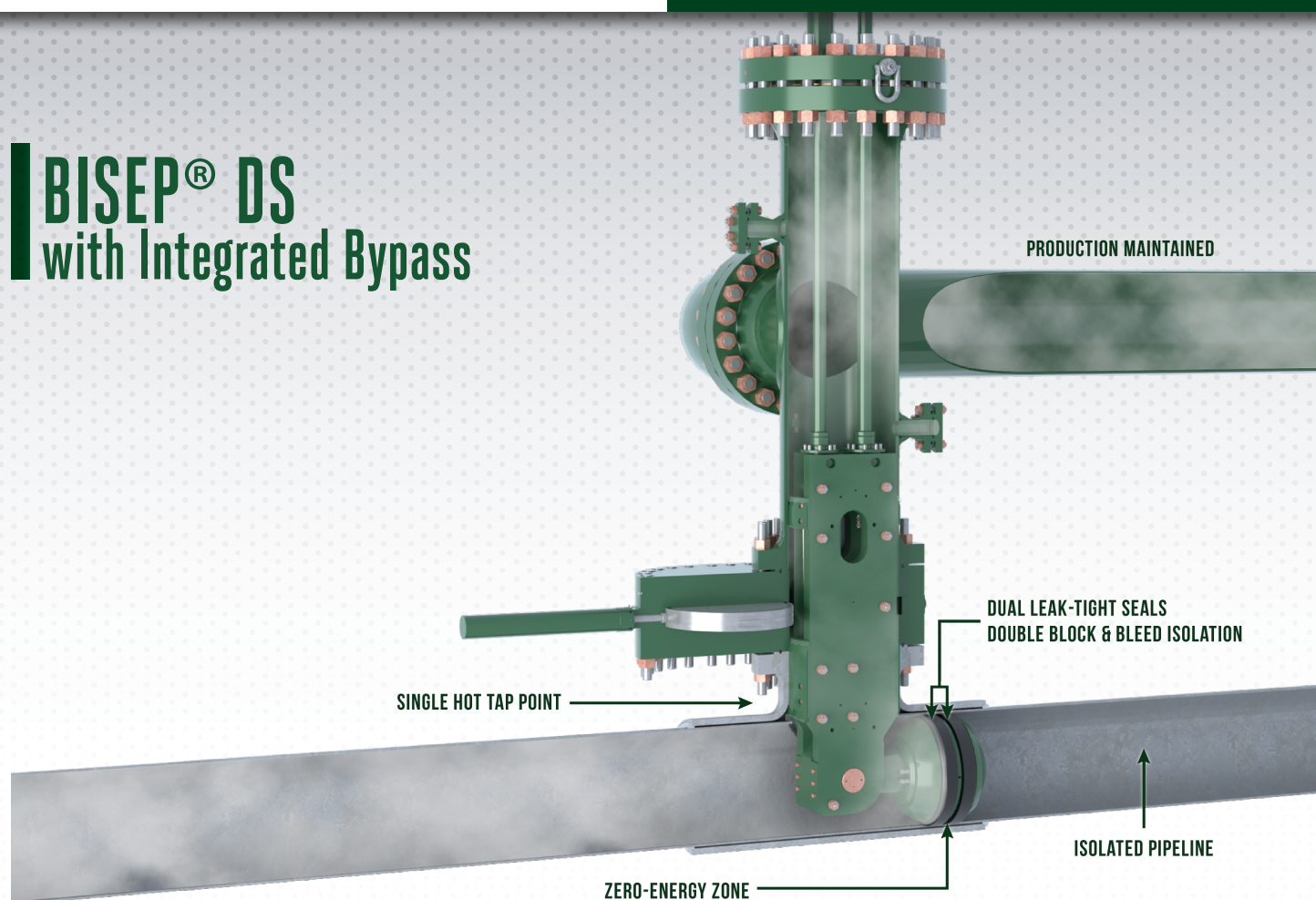
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Primary Seal Integrity Test: Pressure Build Up Test









BISEP[®] DS with Integrated Bypass



The BISEP can be configured in the Dual Set (DS) configuration which includes an integrated bypass through the launcher, ideally suited to low pressure applications. The BISEP DS includes many of the benefits of the standard BISEP in addition to the points below:

-  The BISEP launcher (housing) includes an integrated bypass which maintains production once the isolation is activated, resulting in no loss of production.
-  Double block and bleed isolation through a single fitting with integrated bypass requires fewer fittings and significantly reduces costs and project timescales.
-  Pipeline pressure maintains a fail-safe isolation independent of hydraulic activation.
-  The BISEP is installed into the pipeline unset allowing deployment into a flowing pipeline. Resulting in no interruption to production and saving time on site.

WITH AN EXTENSIVE GLOBAL TRACK RECORD, COVERING 3" TO 54" AND PRESSURES FROM AMBIENT UP TO 153 BAR / 2220 PSI, THERE IS NO LIMIT TO THE APPLICATION OF THE BISEP. WHETHER YOUR PIPELINE IS LOCATED ON AN OFFSHORE PLATFORM, ONSHORE OR SUBSEA THE BISEP IS COVERED BY DNVGL TYPE APPROVAL THAT MEETS THE REQUIREMENT FOR PIPELINE ISOLATION PLUGS.