

BI-STOP™

**Small Bore Temporary
Line Plugging**



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Small Bore Temporary Line Plugging

The patented BI-STOP™ provides a unique temporary line plugging system to address the challenges with small-bore pipework with absent or limited isolation facilities. This cost-effective solution enables small bore pipework to be isolated, cut and if required, terminated with a full bore valve whilst the system remains live. The BI-STOP™ allows maintenance or remediation activities to be carried out safely and reliably, eliminating the need for a system shutdown.

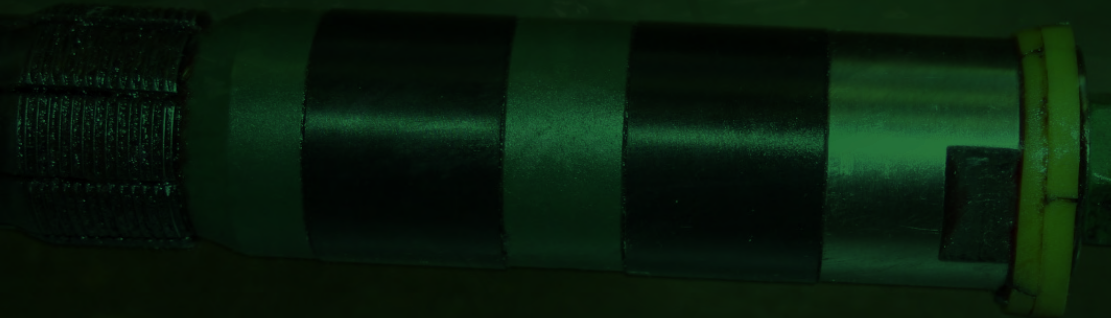
Applications

- ✔ Provide a temporary isolation to facilitate pipework repair or modification
- ✔ Install a system specified full bore valve where isolation facilities are absent or limited
- ✔ Cap and terminate dead leg or redundant pipework
- ✔ Provide a permanent or temporary pipework tie-in

BI-STOP Specification:

Standard Nominal Size Range 1", 1.5" and 2"

Pressure Rating ANSI Class 300 (51.1 bar / 725 psi)



Operator Benefits

- Cost-effective solution for temporary isolation of small bore pipework eliminating the need for a system shutdown
- Unplanned outage and maintenance costs either eliminated or significantly reduced
- No need to leave temporary mechanical fittings on the pipe
- Temporary isolation allowing modifications without the need for hot-work
- Innovative equipment design addresses pipe destruct and construct requirements including pipework reinstatement testing



STEP 1

Install and leak test temporary hot tap fitting, isolation valve and hot tap machine.



STEP 2

Conduct hot tap and deploy BI-STOP isolation barrier.



STEP 3

Cut pipework behind BI-STOP isolation barrier and install inline isolation tool and launcher.



STEP 4

Recover BI-STOP isolation and deploy inline isolation tool and set at location.



STEPS 5 & 6

Remove temporary hot tap fitting, inline isolation tool launcher and cut pipework to remove hot tap penetration.

Install welded or mechanical flange and permanent isolation valve complete with isolation tool launcher. Unset and recover inline isolation tool into launcher and close valve.



STEP 7

Install new pipework to isolation valve.



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