## 129-Series Multi-Flex™ Line Stop Plug **Hot Tap Installation Check List**

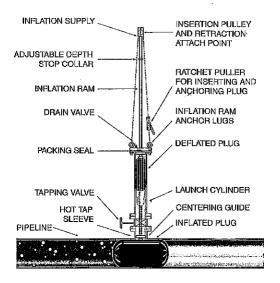
This check list is supplemental to Installation Instructions Must be Adapted to Specific Project by a Qualified Engineer.

- 1. Assemble the Pipe Plug with the Inflation Ram
- **Assemble Inflation Ram Sections** 2.
- Install three locking collars on the Inflation Ram but do not tighten
- Install the Pulley to the top of the Inflation Ram
- Install the Inflation Ram through the Retraction Post Base (If any) and Packing Seal.
- 6. Bolt Retraction Post Base to Packing Seal
- 7. Attach the Packing Seal to the Launch Cylinder
- Attach Inflation Ram Adapter to Line Stop Plug if not already connected
- 9. Attach the Plug to the Inflation Ram
- 10. Mark the Inflation Ram to orient the plug in pipeline direction.
- 11. Set Temporary Inflation Ram Stop Collar at the Packing Seal to prevent the plug from dropping prematurely.
- 12. Position and secure a Plug Positioning Stop Collar
- 13. Attach the Launch Cylinder to the Tapping Valve.
- 14. Attach the Inflation Pressure Hose and Pressure Monitoring Hose to the Inflation |
- 15. Calculate forces on Inflation Ram
- 16. Install a Ratchet Puller adequate to anchor the Inflation Ram
- 17. Stop the flow in the pipeline.
- 18. Open the Tapping Valve
- 19. Loosen the Temporary Stop Collar
- 20. Push the Plug into the pipeline with the Ratchet Puller
- 21. Anchor the Inflation Ram
- 22. Inflate the Plug to its rated pressure
- 23. Plug Removal:
  - 23.1. Stop the pipeline flow and equalize the head pressure
  - 23.2. Deflate the Plug.
  - 23.3. With Ratchet Puller pull the plug back into the Launch Cylinder

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- 23.4. Close the Tapping Valve
- 23.5. Purge Launch Cylinder.
- 23.6. Remove the Launch Cylinder and Multi-Flex™ Line Stop Plug

## Contact Petersen with any questions or suggestions



RETRACTION

POST

LAUNCH CYLINDEI

INFLATION RAM

ADAPTER

LINE STOP

PLUG