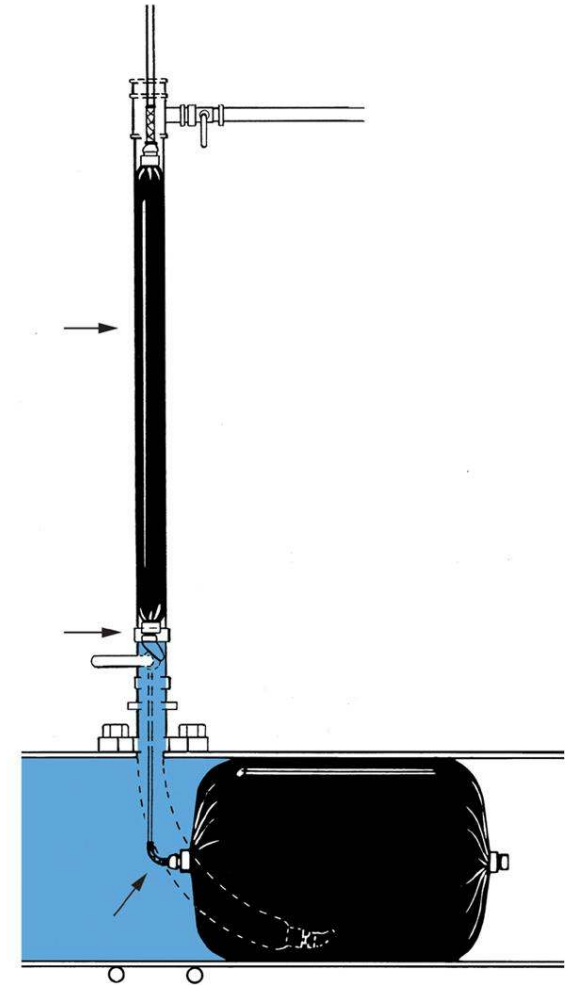


## Hot Tap Insertion of Petersen® Multi-Flex™ Plug



- Hot tap plug insertion configuration

## Hot tap insertion of a 36" Multi-Flex Plug through an 8" Tapping Valve

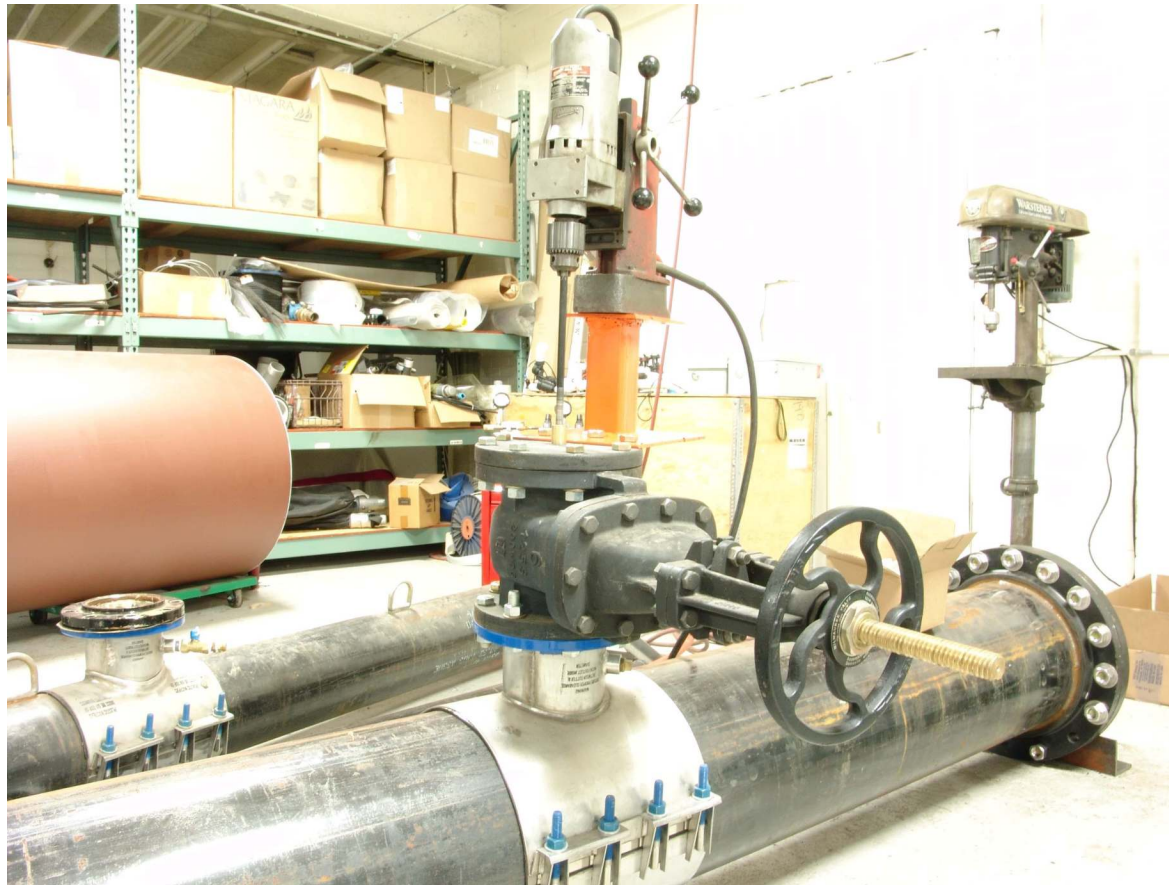




Hot tap sleeve must be installed on the pipeline to be plugged according to the manufacturer's instructions. Hot tapping sleeves are available for weld-on, bolt-on and electro fusion for plastic pipe.



Attach a hot tapping full port valve to the hot tap sleeve. Apply pressure through the purge valve on the hot tapping sleeve to verify that there are no leaks.



Install hot tapping equipment to the full port valve. Open hot tapping valve completely and verify there are no leaks. Remove test pressure from the hot tapping sleeve and valve assembly. Insert hot tapping hole saw through the Hot Tap Valve and drill the pipe. After drilling, retract drill and close valve. Remove hot tapping equipment.



## Components required for Hot Tap Plugging prior to assembly

Petersen Products • P.O. Box 340 • 421 Wheeler Avenue • Fredonia, Wisconsin 53021-0340  
Tel: 800-926-1926 / (262)-692-2416 • Fax: 800-669-1434 / (262)-692-2418  
Email: [sales@petersenproducts.com](mailto:sales@petersenproducts.com) • [www.petersenproducts.com](http://www.petersenproducts.com)



Launch Cylinder attached to Tapping Valve with Inflation Ram and Z-Swivel attached to MultiFlex™ Plug



**Inflation Ram Assembly with Centering Guide,  
Packing Seal and Tee Handle**





Z-Swivel allows MultiFlex Plug insertion around bends



**MultiFlex Hot Tapping Plug with a Directional Shoe, Z-Swivel and Removal Cone, attached to Inflation Ram**



**MultiFlex Plug is inserted into the Launch Cylinder  
(Alternatively, Inflation Ram may be assembled with  
Launch Cylinder first and then plug pulled into Launch**



## MultiFlex Plug Insertion into Launch Cylinder

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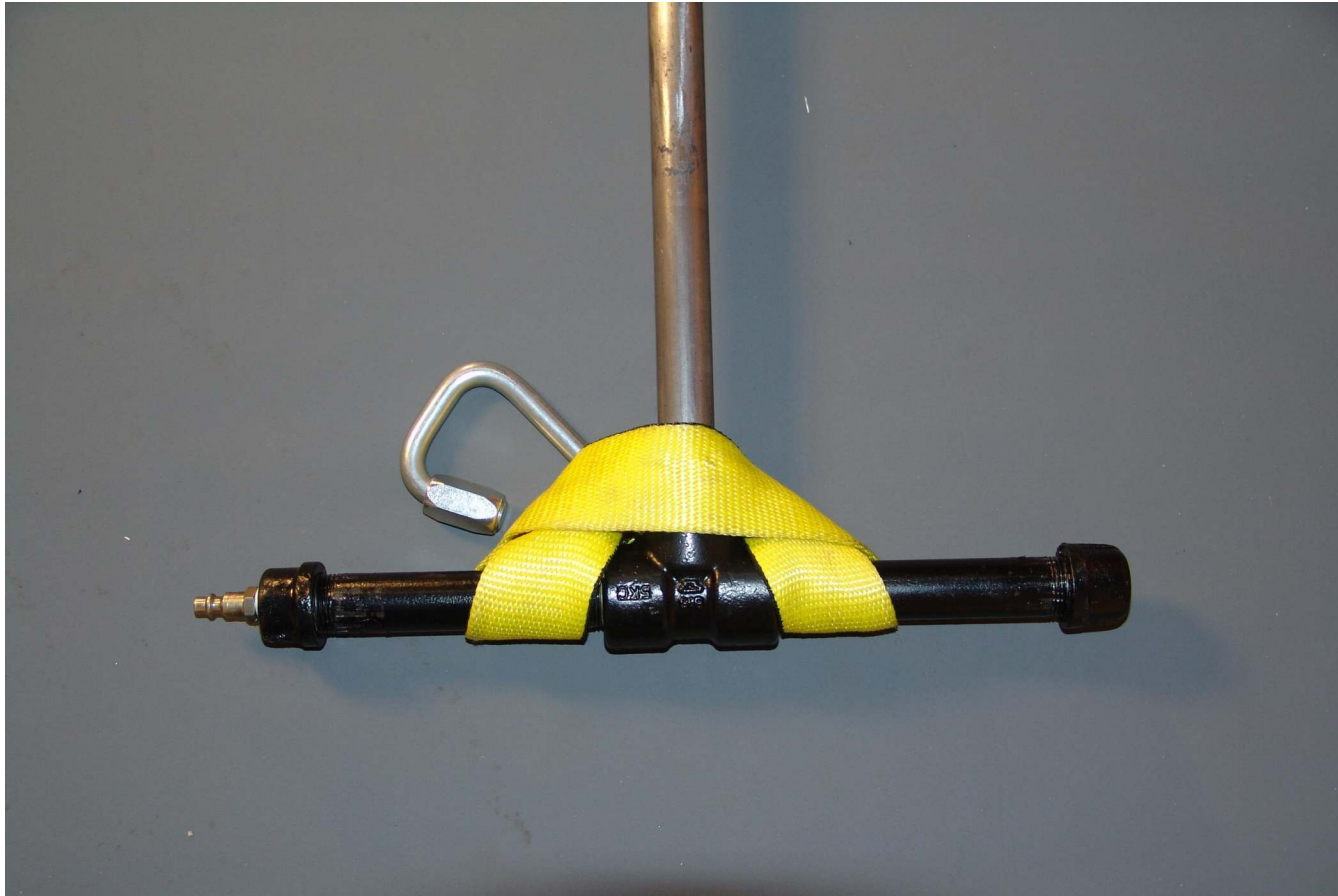
The Packing Seal and Tee Handle Anchor is attached to the Launch Cylinder but not pushed into main pipeline



After Launch Cylinder and Inflation Ram is assembled, the Tapping Valve is opened to equalize pressure between the Launch Cylinder and Host Pipeline

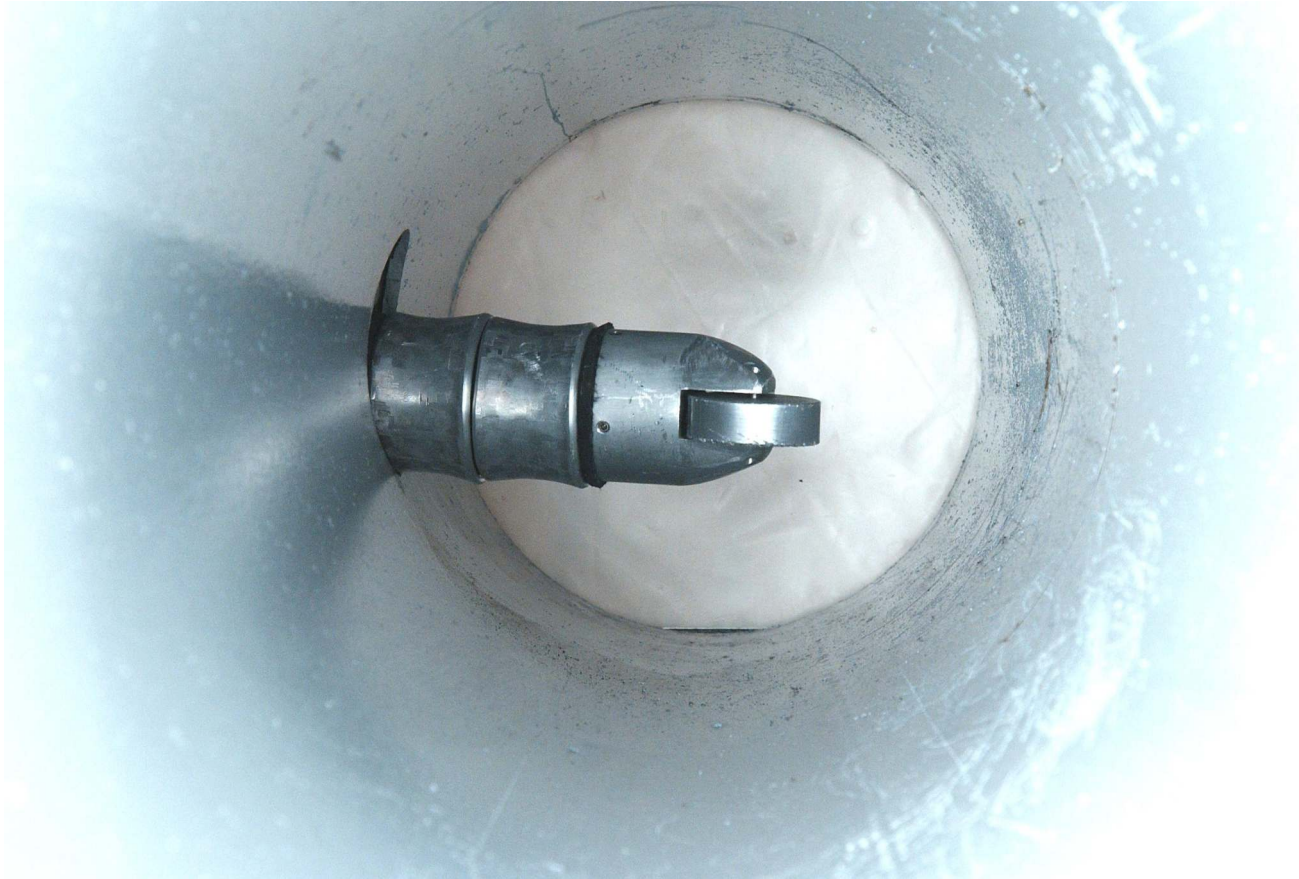


The Multi Flex Plug is pushed into main pipeline with the Inflation Ram. The Inflation Ram has a stop set to have the Z-Swivel centered in the tapped pipeline. (Large plugs may require a winch to pull the Tee Handle to the proper position.)



Tee Handle is anchored to the Launch Cylinder to prevent pipeline line pressure ejection of the Inflation Ram





The MultiFlex Plug shown entering tapped pipeline



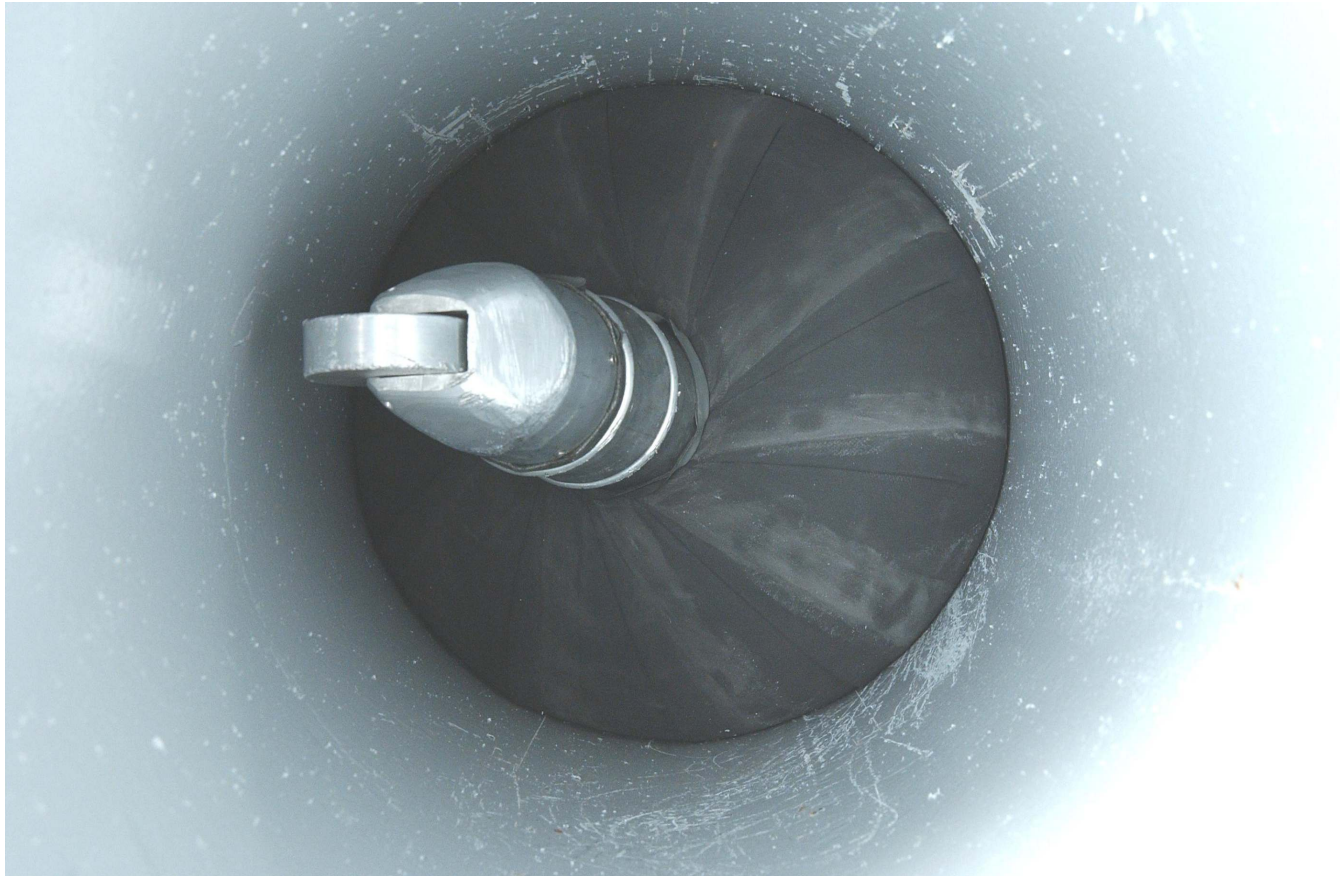
The MultiFlex Plug shown entering tapped pipeline



The MultiFlex Plug shown entering tapped pipeline



**MultiFlex Plug partially inflated**



MultiFlex Plug inflated in host pipeline