



GripTight®

Reverse Pressure Test Plug

Test Flange to Pipe Weld Connections Axially & Radially

Key Features

- The plug and test flange act independently of each other so that the weld joint is subjected to real world stresses during pressure testing
- Flange to pipe welds are tested without needing to pressurize the entire system
- Available for pipe sizes ranging from 2" to 24" (DN50 - DN600) - custom sizes available upon request
- Suitable for testing pressures up to 2250 PsiG (155 BarG) between the flange and GripTight Reverse Pressure Test Plug Test Plug
- Safe Operation; Upstream pressure rating up to 1500 PsiG (103 BarG) in sizes ranging from 3/4" - 6" (DN20 - DN150). Sizes ranging from 8" - 24" (DN200 - DN600) safely vent upstream pressure.

Specs and Materials

- Standard material for **single shaft** GripTight Reverse Pressure Test Plug plugs (2" - 6" (DN50-DN150)) is plated carbon steel with urethane seals.
- Standard material for **multi-shaft** GripTight Reverse Pressure Test Plug plugs (8" - 24" (DN200 - DN600)) is aluminum with urethane seals.

Curtiss-Wright's GripTight Reverse Pressure Test Plug is engineered to ensure that full radial, hoop and axial stress is applied to the weld during testing. The Result: Concern over inadequate axial joint stress is eliminated. Pressure testing flange-to-pipe welds with Curtiss-Wright's GripTight Reverse Pressure Test Plug eliminates the need to blind, fill, and pressurize the entire piping system, which in turn eliminates the need to properly handle and dispose of potentially contaminated test fluids. Testing performed with the GripTight Reverse Pressure Test Plug is quick, easy, safe and meets the requirements of ASME/ANSI B16.5.

FAQ

- **Can one GripTight Reverse Pressure Test Plug be used to test multiple pipe sizes?**
No. GripTight Reverse Pressure Test Plugs are size specific to the schedule of the pipe.
- **What is the desired test medium to be used with the GripTight Reverse Pressure Test Plug?**
Hydrostatic testing is the safest means for accomplishing a pressure test since water is a non-compressible medium. However, the GripTight Reverse Pressure Test Plug does not recognize a difference in the test medium.
- **Is there visible marring from the Grippers after the test has been completed?**
At high pressure, minimal marring of the pipe can occur due to the gripper engagement. Customers have reported that gripper indentations may range in depth from 0.005" to 0.015" (0.13 - 0.38 mm), significantly less than the depth of a pipe imperfection that would require a weld repair.



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GripTight® Reverse Pressure Test Plug Technical Brief

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