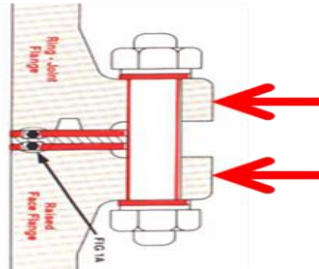


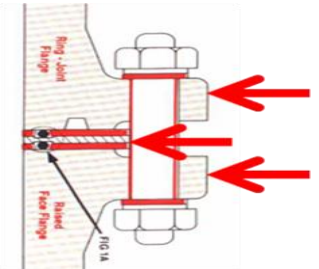
GPT Flange Isolation Kit Isolation Test Procedures for a Dry System

1 Isolation Test Procedure Using a Radio Frequency Insulation Tester

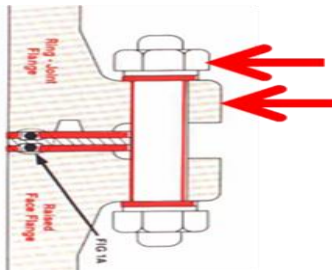
- 1.1 Install the GPT flange isolation kit according to the installation instructions provided with the kit.
- 1.2 Ensure that the flanges are not shorted by means of a conductive object between them.
- 1.3 Use the Radio Frequency Insulation Tester to test the isolation between the two mating flanges.



- 1.4 If the gasket being used has a metal core (VCS®, VCFS®, VCXT®, VCS-ID® & EVOLUTION™), then also test the isolation between each flange and the gasket core.



- 1.5 Test the isolation between one flange and each of the studs.



- 1.6 Repeat step 1.5 for the other flange.

2 Isolation Testing Procedure Using an Ohmmeter

- 2.1 Install the GPT flange isolation kit according to the installation instructions provided with the kit.
- 2.2 Ensure that the flanges are not shorted by means of a conductive object between them.
- 2.3 Connect the leads of the Ohmmeter and set the test voltage to no more than 50V DC*. All resistance measurements for the below steps should be at least 20 MΩ.
- 2.4 Test resistance between the two flanges.
- 2.5 Test the resistance between one flange and each of the studs.



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2.6 Repeat step 2.6 for the other flange.

Notes:

- 1 All tests are subject to environmental interference that could produce a false isolation failure. These environmental conditions are outside of the scope of control for GPT or its agents and should be considered when performing isolation tests.
- 2 Geometric constraints of flanges could require special testing leads to properly test the metal core of gaskets. Use of improper leads could produce a false isolation failure.
- 3 Parallel conductive paths will provide a false isolation failure when testing using the Resistance Test Method described in Section 2. Radio Frequency testing should be used in these cases.
- 4 Resistance Testing is strictly a dry flange connection test procedure for connections not containing media. Any presence of media will increase the likelihood of producing a false isolation failure. For flange connections in service use section 9 of NACE SP0286.

*If test voltages higher than 50V DC are preferred, please contact GPT engineering.