

G1. What type of piping materials can the coupling be used on?

The metallurgy of the coupling body can be selected to allow its use in conjunction with all common metallic piping materials, including piping that is internally lined.

G2. Is the coupling ASME compliant?

Yes, the coupling is classified as an “unlisted component” under ASME B31.3, section 304.7.2 and designed in accordance with the associated requirements.

G3. Has the coupling design been independently certified?

Yes, the coupling has been Type Approved by Lloyd’s Register and the American Bureau of Shipping (ABS) including for hydrocarbon service. Class approval certificates are available on request.

G4. Has the coupling been tested?

Yes, the coupling has been rigorously tested in compliance to the International Association of Classification Societies (IACS) P2 requirements for mechanical pipe joints. Copies of the test certificates are available on request.

G5. Is the coupling fire rated?

Fire Endurance Tests forming part of the IACS P2 requirements (refer Q5 above) have been successfully passed. Copies of the fire test endurance certificates are available on request.

G6. What material are the pressure retaining seals made of?

The standard (general purpose) seal material used in the couplings is Hydrogenated Nitrile Butadiene Rubber (HNBR), but a variety of other material types are available to suit specific applications as needed.

G7. What is the longevity of the pressure retaining seals during operations?

In non-sour service for temperatures up to 160°C the (HNBR) pressure retaining seals should last more than 20 years.

G8. What are the brownfield/repair opportunities for the SRJ Couplings?

A pipe spool with two SRJ couplings either end provides a hook-up or permanent piping repair option that does not require naked flame work to install. SRJ estimation of the typical time saving compared to implementing a welded joint is 30 hours. The use of a weld free connection also provides added safety benefits.

G9. Can the coupling be used for modular hook-up purposes?

SRJ offer an endcap coupling solution that can be used to protect the end of a module piping system as well as allowing the system to be pressure tested up against the end-cap. The connecting spool would then be connected to the same pipe groove preparation using the standard coupling solution.

G10. Who can install the couplings?

SRJ products are typically installed by selected global partners who are given product-specific installation training. SRJ can arrange training of client operations personnel to install SRJ couplings themselves if required.

G11. What tools are required for coupling installation?

A portable clam shell cutter is required to machine the pipe grooves and prepare the pipe surface at the point of connection. This preparation of the pipe spools to be joined can be done up front in a workshop to save additional time. A mechanical pull-in tool is required to assist when installing couplings of diameter greater than 5".

G12. Can the coupling retaining wires be locked in place to prevent their inadvertent removal?

When the coupling is pressurised, it is physically impossible to remove the retaining wires.

G13. Can you install a coupling in a line that has not been purged and made hydrocarbon free?

Yes, but in this instance specialist (non-sparking) tooling made from Beryllium Copper or similar material would be required for pipe spool preparation.

G14. What maintenance of the coupling is required during service?

The coupling is designed to be a maintenance free connection in most cases, but dependent on the characteristics of the contained process medium it is easily disassembled and reassembled to fit replacement seals as required.

G15. Does SRJ provide a guarantee for its couplings?

SRJ will provide a guarantee that the coupling product is free from defects in design, material, and manufacture and conforms to the specifications and / or standards agreed with the customer.