



Full Metal Gasket™
 Designed with the Pipeotech Proprietary DeltaV-Seal™



The Clock Spring patented metal-to-metal gasket is the world's only DNV-GL type approved gasket for zero emissions. CNC-milled from a single block of metal, the gasket is a robust and easy-to-handle component that is non-ductile and resistant to galvanic corrosion.

Because our gasket is manufactured of the same material as the surrounding pipe and flange, it shares identical characteristics – most importantly, expanding and contracting in line with the surrounding infrastructure to maintain the permanent, zero emissions, non-leaking seal.

Studies show that sealings between flanges are among the weakest components of piping connections, causing negative environmental impact, production and productivity loss, and higher operational costs.

OUR METAL-TO-METAL SEAL ELIMINATES THE PIPING SYSTEM'S WEAKEST LINK, DELIVERING:

- Zero emissions
- Corrosion and fatigue resistance
- Durable, reliable performance.

The Clock Spring Full Metal Gasket™, designed with the Pipeotech Proprietary DeltaV-Seal™, offers the most effective sealing technology available for preventing pipe leakage. The compression of the patented V-shaped rings reduces the torque required to tighten the flange by almost 70%.

Like all Clock Spring products, the gasket is simple to install, easy to maintain, and delivers reliable and consistent performance.

THIRD-PARTY TESTING VALIDATES PERFORMANCE

TEST	PARAMETERS	RESULTS
Helium Testing	10 bar (145 psi)	Proves the gasket reduces fugitive emissions, delivering gas-tight reliability 10,000 times greater than the oil and gas industry requirement
Vibration Testing	10 million repetitions at 23.5 Hz	Validates fatigue resistance
Testing under fire*	≥ 650°C (1,202°F) 40 bar (580 psi)	Confirms escaped gas measured only 0.01 ml/inch per minute (1% of the volume permitted by API guidelines).
Cold Temperature Testing	-138°C (-216°F)	Illustrates dependability in Arctic conditions

* The Clock Spring metal-to-metal seal has been certified by Amtech Fire Protection Services as Fire Safe according to API 6FB.

THE CLOCK SPRING METAL-TO-METAL SEAL OFFERS:



- Quick installation
- Low maintenance
- Consistent, reliable performance.

www.ClockSpring.com

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