



Steve Thumbeck - Sales Director - Oil & Gas Products

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## **AMETEK Subsea Penetrator**

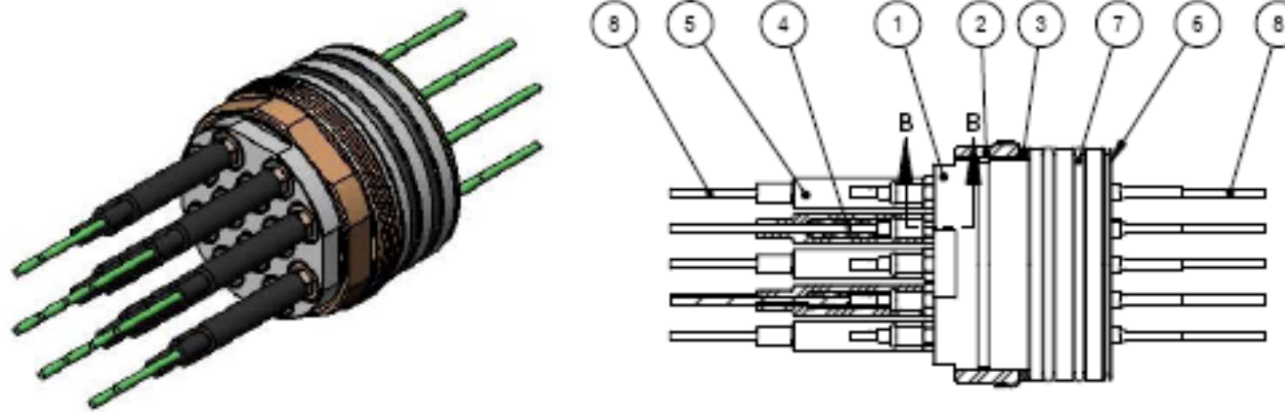
AMETEK Subsea Interconnect (ASI) a provider of custom electrical and optical connectors, terminations, cable assemblies, HPHT electrical and optical glass penetrators, electrical and fiber interconnect solutions for a wide range of extreme environments, including undersea, oil field, nuclear, aerospace and defense applications. AMETEK Interconnect is a business unit of a leading global manufacturer of electronic instruments and electromechanical devices

## High Pressure Subsea Feedthrough Penetrator

The AMETEK Subsea Penetrator is designed for reliability in extreme environments, expanding the AMETEK Interconnect portfolio of HPHT products. This multi-channel penetrator with compression type hermetic glass seals and multiple conductive paths, provides a high pressure feedthrough with excellent electrical isolation demanded in subsea applications.

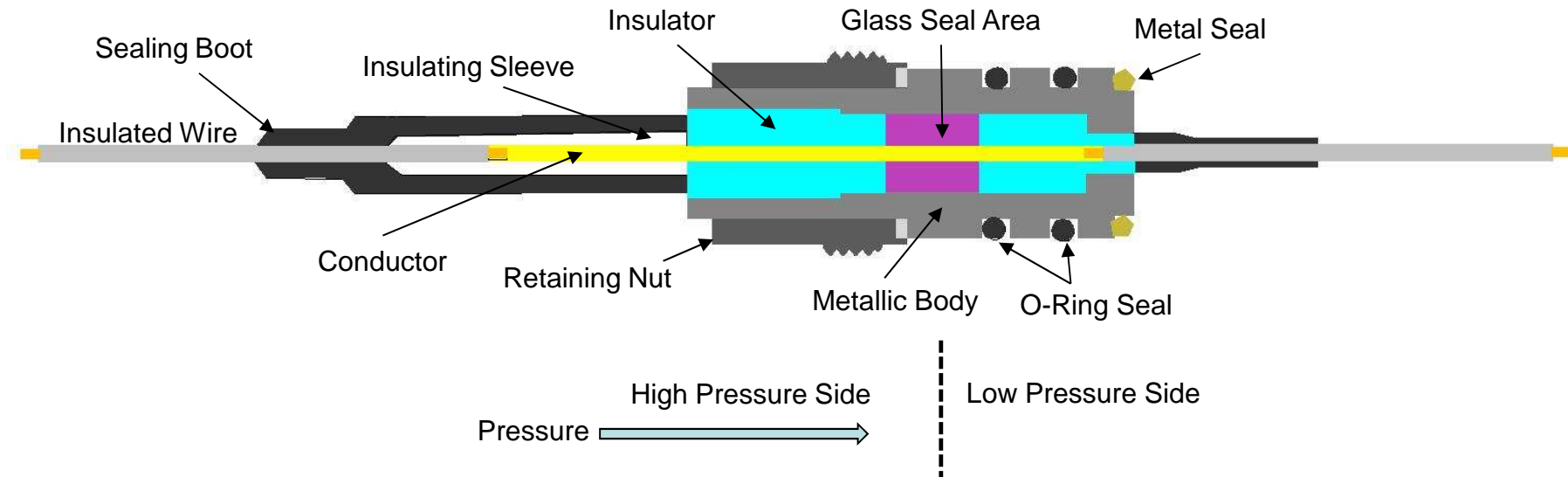


## High Pressure Subsea Feedthrough Penetrator



Design Parameters	Materials and Performance
Material Specification	Inconel Nominal, 316LSS, Titanium
Design Life	25 years
Number of Circuits	1-121
Design Pressure	4,351psi (300bar)
Helium Leak – Pressure Header	$\leq 10^{-8}$ scc/sec
Test Pressure	6,526psi (450bar)
Environmental Operating Temperature	158degF (70degC)
Voltage	Typical - 1000VDC
Amperage	Typical - 8A
Dimensions	2.62" (66.60mm) Diameter – 12W As shown
Interface Seal	Dual O-Ring and Metal

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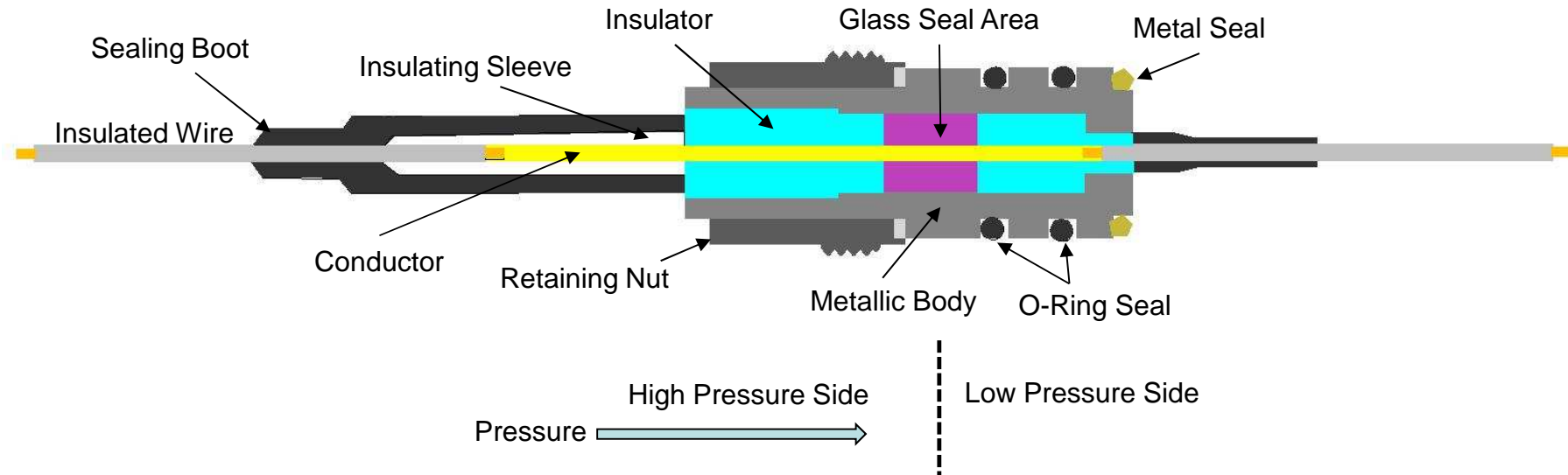


## High Pressure Subsea Feedthrough Penetrator

AMETEK's Subsea penetrators are designed and manufactured using proven glass-to-metal sealing technology. This glass-to-metal seal provides a highly reliable hermetic compression seal to the conductors and the penetrator body.

Each conductive path in the penetrator is sealed with boots to prevent water ingress to the electrical conductor. Additional insulating sleeves are utilized in the penetrator to boost electrical insulating resistance performance.

The penetrator body is configured with dual radial o-ring seals and a metal seal for mounting.



Thank You!

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