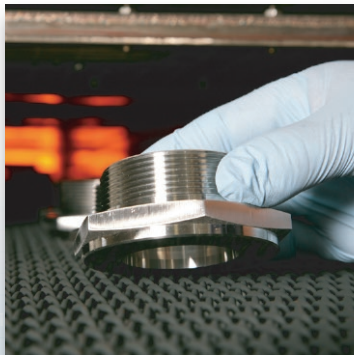




Flanged & Threaded Sight Windows



Glass to Metal Fusing



1m Demil Camera Dome

Solutions for Oil & Gas

On the outside & needing to look in?

Rayotek industrial sight glass windows give direct, real-time views into high and ultra-high pressure vessels and other hazardous environments. The Energy industry no longer needs to depend solely on instrumentation to gather data within sealed and inaccessible environments.

Reduce Risk & Lower Costs

The O&G industry has been dependent on expensive, redundant systems to improve safety. Rayotek products allow for direct visual observation of fluids, hydrate plugs, obstructions and other processes within dangerous environments. Industrial sight windows give technicians the ability to visually confirm instrumentation readouts without the risk of entering confined spaces. Material costs for gaskets, seals, bolts, studs, etc. are virtually eliminated and labor costs are reduced by extending inspection intervals.

Applications (Onshore & Offshore)

- Gas Processing
- Oil Processing
- Igniter Systems
- ROVs
- Flowlines
- Offloading
- Subsea Riser Assemblies
- Downhole Tools
- Robotics Systems
- Orifice Plates
- Support Vessels
- Subsea Processing
- Inspection Systems
- Downhole Systems (Burst Disk)
- Tanks & Manways
- Oilsands Applications
- Metering Products
- Measuring Systems
- Pipeline, Pigging & Risers
- Secondary Containment
- Combustion Control & Analysis

Features & Benefits

Pressure Ratings - highest in the industry (custom applications up to 50 KPSI)

Material Combinations - multiple, including: NACE compliant & super alloy metals with borosilicate, sapphire, fused quartz & soda lime

Configurations - Tek-Glass Fused Glass is mechanically pre-stressed & used to eliminate cracking-based failures & unexpected ruptures

Interfaces - a variety of threaded & flanged options, plus custom connection designs

Engineered & Manufactured In-House - 100% at Rayotek's San Diego, USA facility

Configurations

AS9100D Certified & ITAR Registered

TYPE	INTERFACE	SIZES	MAX PRESS. RATING	TEMP. RANGE (°C)	ASSEMBLIES
NPT	Threaded	0.25 - 4"	Vacuum - 20 KPSI	Cryo - 900	Fused, Bonded, Backside Seal
SAE	Threaded	0.25 - 2"	Vacuum - 20 KPSI	Cryo - 900	Fused, Bonded, Backside Seal
ASME/ANSI	Flange	2.0 - 12"	Vacuum - 20 KPSI	-100 - 900	Fused, Bonded, Backside Seal
API	Flange	1.625 - 11"	Vacuum - 30 KPSI	Cryo - 900	Fused, Bonded, Backside Seal
Conflat (CF)	Clamp	1.3 - 10"	Vacuum - 45 PSI	Cryo - 400	Fused, Bonded, Backside Seal
ISO (K & F)	Flange	DN63 - 320	Vacuum - 45 PSI	Cryo - 400	Fused, Bonded, Backside Seal
Downhole	Annular	1.1 - 2.38"	Vacuum - 30 KPSI	Cryo - 400	Fused, Bonded, Backside Seal
Custom	TBD	0.04 - 48"	Vacuum - 100 KPSI	Cryo - 1850	Fused, Bonded, Backside Seal

INDUSTRIES SERVED: AEROSPACE, PULP & PAPER, MINING, CHEMICAL INDUSTRIAL, SUBSEA EXPLORATION AND MORE!