



Collector Bulkhead

Providing a safe interface between the well environment and atmospheric pressure

AnTech's Collector Bulkhead is located at the end of the CT reel and provides the pressure bulkhead and electrical feedthru to ensure electrical continuity for up to 8 conductors. It allows the transmission of power and electrical signals between the downhole pressured environment and surface data acquisition equipment.

The Collector Bulkhead is an essential piece of equipment providing an interface between the well environment and atmospheric pressure. It is located at the end of the Coiled Tubing Reel and holds the well pressure while providing an electrical connection.

It terminates the Coiled Tubing Logging Cable at a 2"-1502 Wing Union on the CT reel. The logging cable is mechanically anchored to the bulkhead with a cone type rope socket held by a cable clamp. The cable clamp gives a high strength termination of approximately 16,000 lbf pull, reducing the risk that the logging cable could be pulled free into the coil. It also stops rotation, preventing any damage on the Logging Cable. A separate cable connects the bulkhead to the collector.

The bulkhead can accommodate a logging cable with up to 8 conductors and has a Hawke cable gland (501/423/A/M20) that is suitable for most types of surface cable.

Features

- 2-way and 8-way options
- **Simple maintenance** – Easy access to electrical connections. No need to carry out full disassembly, or disturb the electric or pressure connections.
- **Modular Assembly** – Simple and quick assembly
- **Short overall length** – Allows for easy installation inside the CT reel



- **Safety** – The unit is designed to meet high safety criteria, and NACE compliant (H2S resistant)
- **High Specifications** – The unit is designed for use in high pressure / high temperature environments.

Specification

Max Operating Temp.	°F (°C)	194 (90)
Min. Operating Temp	°F (°C)	-4 (-20)
Max. Working Pressure	Psi (MPa)	Up to 15,000 (103)
Rated Tensile Load (on cable)	lbf (N)	16000 (71171)
Max. Voltage	Vac	1000
Max. Current	A (per line)	7
Fluid Service		Sour (H2S)
Sheath Diameter For Surface Cable	In (mm)	0.433-0.463 (11-14.3)

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