

Single Seal & Dual Cable Head



Description

The SST Single Seal Testable Cable Head (SST SSCH) and the Dual Seal Testable Cable Head (SST DSCH) utilize a “Swagelok Medium Pressure” metal to metal seal system. Almost all other permanent gauge manufacturers utilize the older “Swagelok” conventional seal system to seal on the TEC. The new “Swagelok Medium Pressure” system is rated to nearly double that of the conventional system and has been specifically developed for high vibration environments.

All SST Cable Heads are fully testable. We do not offer a non-testable cable head as the integrity of the entire system depends on the cable head sealing. It is impossible to know that they are properly installed without performing a test. All SST Cable Heads also include our tubing anchor strain relief system. This strain relief system eliminates strain being applied to the metal to metal seal system by applying tension to the TEC cable. In testing, the pull out load of the TEC is greater than 2.5 times that of competing systems that use only the metal seal to anchor the tubing.

The SST SSCH utilizes a single “Swagelok Medium Pressure” metal to metal seal system. The SST DSCH utilizes a combination of three “Swagelok Medium Pressure” metal to metal seal systems to provide a full redundant dual seal on all leakage paths of the connection. Both SST Cable Heads have test ports that allow a connection of an “Autoclave” test adaptor that allows field testing of the seals to their full 20,000 psi rated working pressure; further, the SST Cable Head Test Systems utilizes a High Accuracy Quartz sensor system to allow for rapid detection of micro-leaks during testing. Other systems use conventional analog transducers that do not have the accuracy or resolution to detect micro-leaks and are not recommended.

Both the SST SSCH and the SST DSCH are available in 17-4PH Stainless Steel for standard service applications and Inconel 718 for NACE MR 01-75 for Sour Service and high corrosive applications.

Features

- Utilizes new, higher pressure “Swagelok Medium Pressure” metal to metal seal technology
- Incorporates a tubing anchor strain relief system that eliminates tubing stress and loading on the metal seal system
- All Cable Heads are fully testable to full 20,000 psi rated working pressure
- Test system utilizes high accuracy / resolution Quartz transducer for detecting micro-leaks



Operating Specification

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| BODY MATERIAL | Sour: Inconel 718 Sweet: 17-4 PH Stainless Steel |
| PRESSURE RATING | 20K psi |
| TEMPERATURE RATING | 20°C – 180°C (70°F – 350°F) |
| CONNECTOR PULL-OUT RATING | 400 lbs. |
| CONNECTOR PULL-OUT TEST | 2000 lbs. |

