**Choose the configuration that’s right for your system.**

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**Panel Options**

**Features**

- Partial Stroke Test verification of test panel fail
- Data logging
- Valve degradation error detection
- Export of valve trending information

**LED Indicator Lights**

- 1-5 Valve Systems
- 6-9 Valve Systems

**LCD Touchscreen Display**

- 1-5 Valve Systems
- 6-9 Valve Systems

**DCS Integration**

- Panel panel connects through

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**Partial Stroke Test Verification of test panel fail**

- The partial stroke test can be run manually or automatically at pre-determined times. Depending on the system capabilities, the valve’s health status will be conveyed either by LED indicator lights on the panel, via an icon on the touch screen display, or via direct communication to the DCS.

**Data logging**

- Valve health trending data is captured in non-volatile microprocessor memory and will retain all of the valve health information for up to 10 years or longer dependent on how many times a year the valve partial stroke test is run. Valve degradation error detection: Tests performed by MAXON PSCHECK systems will identify a soft or hard failure (on the 6000 pneumatic SIGA) by showing this amount of time required for the valve to trip, signaling a capability to either open or close. The longer the time it takes to trip the valve indicates potential performance issues. If the valve is degrading it will signal a soft failure alert, if the valve fails it will indicate a failure.

**Export of valve trending information**

- It is simple to export the valve health trending data via a supported Compact Flash (CF) drive. The information is presented in a .CSV format that can be read for analytics, audits, and for presentation to jurisdictional authorities.

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**Panel Sizes**

- **Non-SIL Type, Type 4 panel sizes:**
  - 1-2 Valve Systems: 36”H x 30”W x 10”D
  - 3-5 Valve Systems: 36”H x 30”W x 10”D
  - 6-9 Valve Systems: 36”H x 36”W x 12”D

- **SIL Type 4 panel size:**
  - 1-9 Valve Systems: 36”H x 36”W x 12”D

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**SOFTWARE**

**Data store**

- A factory-built data store will be established in permanent memory.

**Data input**

- Data input is installed and commissioned. During the commissioning process, the customer will be required to set the date the system is installed which will also establish the base line for the valve’s health.

**Valve identification/location**

- The customer has the ability to set a custom number for each valve to help identify its location.

**Trending of valve performance**

- Diagnostics captures the valve testing information and tracks the overall health of the 6000 pneumatic safety shut-off valves by plotting this information on a touch screen display showing the valve health trending over the life of the valve. This trending information or predictive indicator shows a linear relationship between the initial installation data points and the degradation of the valve’s performance over the lifetime of the valve. This trending data is used to indicate when the valve may require maintenance, replacement or that it will potentially fail.

**Compare valve historical trending data**

- Ability to switch between three different screens changing the number of captured data points enabling better short and long term viewing of the trending information.

**View alarm history**

- Captures all alarms, the dates of the alarms, and valve testing information when either a soft ‘alert’ alarm or a hard ‘failure’ alarm is triggered. The system will track all alarms instances over the life of the valve.

**Manual test**

- Ability to start an immediate manual test on the valves via pushing a button on the panel, an icon on the touch screen display or initiated via the DCS dependent on the configuration ordered. The test will return immediate results on the valve’s performance and will not interfere with any pre-set automatic tests nor will it interfere with any of the valve or burner management functions.

**Automatic test**

- The unit will ship from factory with all systems pre-set to a monthly partial stroke test schedule. In systems with the touch screen display or via DCS control, the customer will have the option to change the frequency of the test timing to daily, weekly, monthly, quarterly, bi-annually, annually or a custom set test rate.

**Set limits on hard and soft alarms**

- The unit will ship from factory with all systems pre-set to a monthly partial stroke test schedule. In systems with the touch screen display or via DCS control, the customer will have the option to change the frequency of the test timing to daily, weekly, monthly, quarterly, bi-annually, annually or a custom set test rate.

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**EXPLANATION OF FEATURES**

**Partial Stroke Test Verification of Test Panel Fail**

- manual or automatically at pre-determined times. Depending on the system capabilities, the valve’s health status will be conveyed either by LED indicator lights on the panel, via an icon on the touch screen display, or via direct communication to the DCS.

**Data Logging**

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**EXPLANATION OF FEATURES**

**Partial Stroke Test Verification of test panel fail**

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**Explanation of features**

**Partial Stroke Technology verification of test panel fail**

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