

ValveLink™ Software Signature Series Performance Testing

ValveLink Software Signature Series factory-executed performance testing is available for any Fisher™ control valve assembly that includes a FIELDVUE™ digital valve controller.

Signature Series performance testing creates a benchmark of an assembled valve's performance just prior to shipment. This benchmark provides a starting point for future data comparison, enabling you to track the operating condition of your control valve and maximize valve performance.

When ordered with your FIELDVUE equipped control valve, our factory uses the diagnostic capability of ValveLink software to thoroughly test each valve assembly.



W9363-3

Test Levels

Three levels of Signature Series tests are available, with each level providing valuable diagnostic data. When you order a Signature Series test, you will receive the test results electronically from your Emerson sales office or Local Business Partner.

Signature Series 1

Within the Signature Series 1 test level, you receive:

- Instrument Configuration
- Status Monitor (@50% travel)
- Valve Spec Sheet
- Valve Signature, as recorded from -5 to 105% input.
- Dynamic Error Band Curve, as recorded from -5 to 105% input
- Drive Signal, as recorded from -5 to 105% input

Signature Series 2

In addition to Signature Series 1 information, you receive:

- Performance Step Test
- Status Monitor (0, 25, 50, 75, 100% travel)

Signature Series 3

Series 3 testing provides user specified Series 1 and 2 tests and allows customization of end points or scan times. This capability lets you tailor the testing to your specific requirements or process needs.

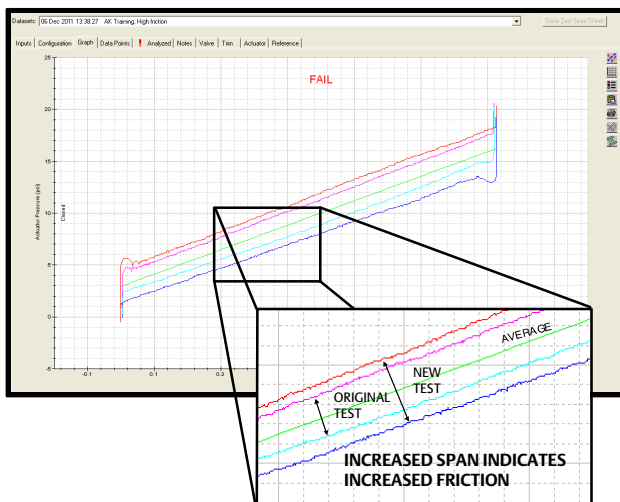
Signature Series 3 with Dead Band plus Hysteresis

Provides user specifications from Series 1, 2, 3, and Dead Band plus Hysteresis estimation per dead band specifications. Refer to Bulletin 62.1:ValveLink Software(S3) [D103549X012](#), available from your Emerson sales office, Local Business Partner, or at Fisher.com, for details.

Data Comparison

If your control valve is equipped with a FIELDVUE instrument that includes diagnostic capability, after the valve has been in service you can use ValveLink Software to run the same tests that were originally run at the factory. Then, by importing the Signature Series data into ValveLink Software, you can compare the as-shipped performance with the valve's current operating condition. The current data can be compared to the baseline data to quickly pinpoint issues, as shown in figure 1.

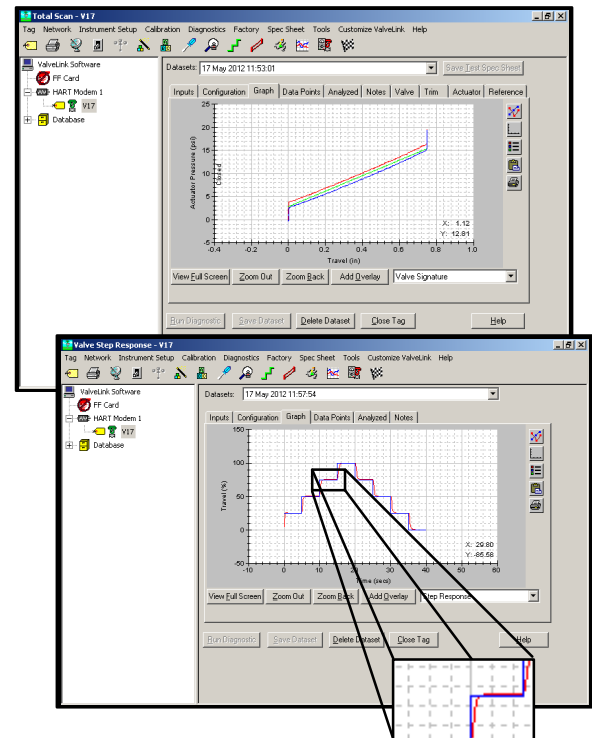
Figure 1. Data Comparison



Take Advantage of the Signature Series

You can begin to take advantage of the Signature Series by contacting your Emerson sales office or Local Business Partner. Remember to specify your Signature Series testing requirements when placing your order. Emerson Automation Solutions can provide you with the diagnostic data you need to keep your valves operating at top performance!

Figure 2. Performing a Diagnostic Test with ValveLink Software Provides an Analysis of Control Valve Operating Parameters



Signature Series Availability

Signature Series testing is available for all Fisher control valves when specified as part of the original valve order. To order Signature Series testing, simply specify your Signature Series testing requirements on your Fisher control valve orders. Signature Series tests are only available when specified as part of the original valve order.

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