METRUS
Valve Test Bench Excellence

CRS-CSV
for Control and Shut-off Valves

Computer Registration System

Using semi automization and customisation METRUS-CRS reduces software interaction of the operator to a minimum. In an ideal szenario the CRS software has a direct connection to an existing customer data base.

- Leak calculation and detection in accordance with EN 60534-4 • FCI 70-2 • EN 12266-2
- METRUS analogue / digital converter (PC-Box) with 0.05% accuracy.
- Separate tests and diagrams for set pressure and seat leakage test
- Real-time measurement and visualisation
- Simple and intuitive operation via industrial panel PC and touch screen
- 8 sensor ports
- Individual selection of parameter dimensions
- Individually designed test reports
- PDF export with a single button click
- Optional input of additional test results
- Display of test pressure ramp rate
- Automatic passed/failed analysis
- Free support via remote desktop

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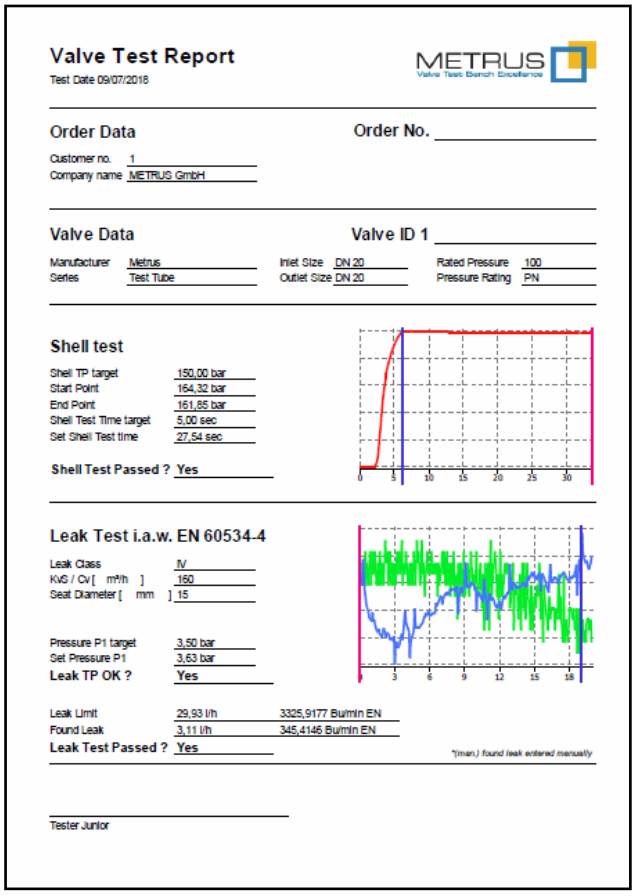
Options

- Connection to existing ERP-System
- Visualization of 2 parameters in combination. For example: pressure-lift diagram
- Electronic sign pad for 2 digital signatures on the test report.

Test Report



Valve Test Report
Test Date 09/07/2018

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Order Data — Order No. _____

Customer no. 1
Company name METRUS GmbH

Valve Data — Valve ID 1 _____

Manufacturer Metrus — Inlet Size DN 20 — Rated Pressure 100
Series Test Tube — Outlet Size DN 20 — Pressure Rating PN

Shell test

Shell TP target 150,00 bar
Start Point 164,32 bar
End Point 161,85 bar
Shell Test Time target 5,00 sec
Set Shell Test time 27,54 sec

Shell Test Passed ? Yes

Leak Test i.a.w. EN 60534-4

Leak Class IV
KvS / Cv [m³/h] 160
Seat Diameter [mm] 15

Pressure P1 target 3,50 bar
Set Pressure P1 3,63 bar
Leak TP OK ? Yes

Leak Limit 29,93 l/h 3325,9177 Bu/min EN
Found Leak 3,11 l/h 345,4146 Bu/min EN
Leak Test Passed ? Yes

*(man.) found leak entered manually

Tester Junior

Panel-PC on swivel mounted support arm

Main control screen