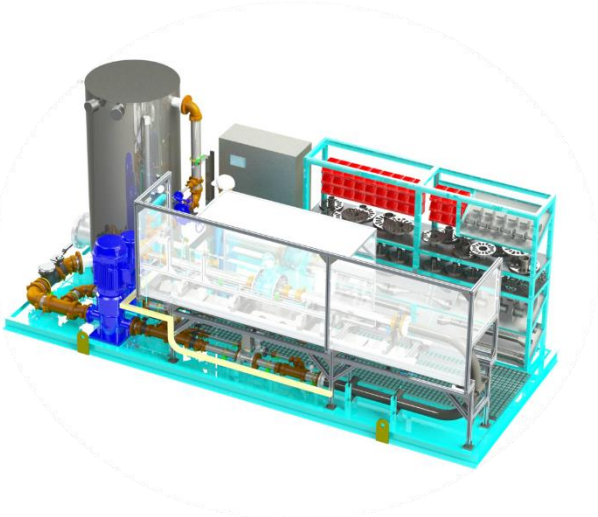
TEST BENCH FOR TESTING VALVE FLOWS

Functions of test bench for flow tests (according to PN-EN 126):

- Determination of Kvs coefficient
- Determination of relative flow to relative opening characteristic – Q x /Q100 = f(Hx/H100)
- Determination of flow resistance coefficient based on relative opening characteristic – ζ = f(Hx/H100)
- Measurement of pressure drop and flow rate for full open valve position
- Automatic data reporting

Main applications:

- Regulating valves
- Shut off valves
- Throttle valves
- Y-strainer filters
- Gate valves



Advantages include:

- A wide range of possible fittings can be tested with our test banch:
  - Easy assembly with flanged valves produced according to PN-EN 1092-1 and PN-EN 1092-2 (PN), PN-EN 1759-1 (ANSI) and ANSI / ASME B16.5
  - Easy assembly with weld-on ends of valves for butt-welding according to DIN3239 (PN) and ASME 36.10 M (ANSI)
- A possibility to test fittings of various lengths
- A storage for testing and connecting fittings
- Manual and automatic valves are supported
- An advanced control system
  - Visualizations of measured data with graphs
  - Guidance messages for the operator during the whole test
  - A possibility to create new test program or edit existing ones
  - A storage of data points on USB drive
  - Generating reports from tests in PDF files on PC connected to the test bench with help of Ethernet network (proprietary software)

HPE 8 Sp. z o.o.
HEADQUARTERS
ul. Rudnickiego 1/56, 01-858 Warszawa
F: +48 22 732 19 03
www.hpe8.eu

DESIGN OFFICE and WORKSHOP
ul. Hutnicza 40B, 81-061 Gdynia
T: + 48 58 739 69 90
biuro@hpe8.eu