



TESTING SOLUTIONS

BURST TEST STAND

B_21472



B_21472 test bench is designed for component testing such as:

- flexible or rigid pipes
- fittings & quick couplings
- valves
- heat exchanger (radiant masses etc.).

The test fluid is hydraulic oil.

The machine, with various options, can perform:

- burst test;
- pressure test.

Using a dedicated hydraulic circuit the test bench is able to generate a test cycle done by maintenance and controlled pressure ramps, up and down, according to the following: SAEJ343 - DIN20024 - ISO18869 - ISO1402.

The connection system consists of two manifolds: one fixed and the other sliding on a suitable guide able to contain the stresses coming from burst test.

Maximum distance between collector connections: 1600 mm.

The working cycle is:

- setting pressure cycle with ramps and stationary steps by inserting pairs of points (time-pressure);
- filling and deaeration phase with flow visual indication;
- stabilizing pressure;
- component burst.

TECHNICAL DATA:

- | | |
|-------------------|----------------------|
| • Pressure test | from 3 up to 300 bar |
| • Flow rate | 10 lpm |
| • Max temperature | 100 °C |

INSTRUMENTATION:

- | | |
|------------------------|------------------------|
| • Pressure transmitter | f.s. 400 bar, cl 0,25% |
|------------------------|------------------------|

SAFETY DEVICES:

- Open doors electric control & interlock
- Test area with metal lids against shots and fluid leaks
- Emergency button

POWER SUPPLY:

- | | |
|------------|-------------------------|
| • Electric | 400 Vac - 50 Hz - 20 kW |
| • Air | 6 bar |

DIMENSIONS AND WEIGHT:

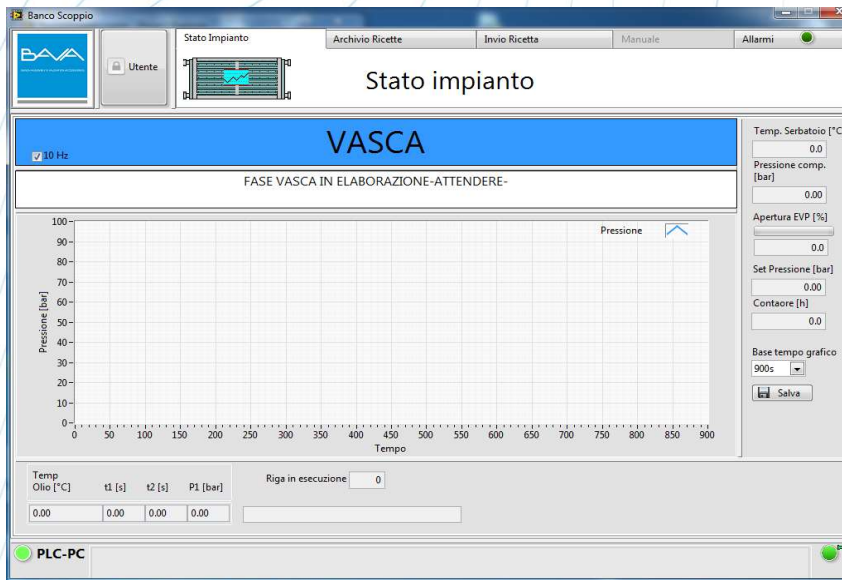
- | | |
|------------|------------------------|
| • L, p, h | 3200 x 1600 x 1700 mm; |
| • Raw load | ~ 1600 kg |

COLOR:

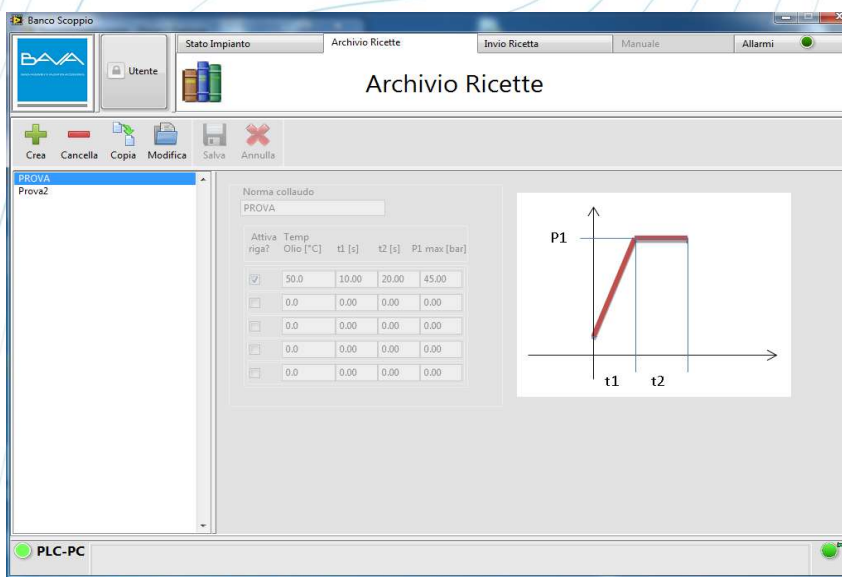
- Standard Gray 7035

NOTE:

- Fluid and adapters not included



The test stand is equipped with a PC and NI data acquisition system. PC software can set the test profile and can create a complete test report [pressure vs time].



Test bench meets the requirements of Industry 4.0, as it allows:

- interface with external software to be able to obtain information on the status of the bench and carry out control and management operations of it;
- take advantage of the remote assistance service by the BAVA technicians;
- remote control of the bench compatibly with the permissions of the corporate network.

Gui is customizable in multiple languages

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