

AUTOMATED HYDRAULIC TESTING BENCH FOR CYLINDERS AND FIRE EXTINGUISHERS

FIT 6-DUO EVO



The FIT 6-DUO EVO is an advanced automated system for the hydraulic testing of cylinders and fire extinguishers. The new test bench has to be considered a development of the cylinder testing unit, FIT50 model, we have been producing since early 90s.

Installed and already in operation at some customers, the new machine handles fully automatically the whole working cycle: cylinder filling, high pressure testing, cylinder emptying and drying by an advanced superheated vapour system.



The machine concept ensures very high productivity, more than thirty cylinders per hour with one and only operator managing the whole cycle directly on the control panel. It can be manufactured for 6 cylinders (single bench) or for 6+6 cylinders (DUO version) for additional productivity.

The test bench can be integrated with a high pressure steam dryer allowing to dry the tested cylinders directly on the test bench (only for steel cylinders).

As a result, the cylinder taken at the end of the cycle is already duly dried and ready for valving operations. All the improvements reduce the operator manual labour and increase the production/quality of the test operation.

Accepted cylinders with
110 – 270 mm min/max Ø
500 - 1755 mm min/max height



Up to 30 cylinders (50 lt) / hour
tested and dried with the
6+6 bench and 1 only operator



FIT 6-DUO-EVO MAIN INNOVATIONS:

- The quick acted test connections allows to refill the cylinders by water and then test the cylinders.
No need to replace filling connections with test connections.
- The mentioned quick acted test connections are effectively "quick acted".
To insert them on the cylinders and remove them you need only few seconds, saving time and labour.
- The automated panel allows to start the main operations of: **water filling, test and emptying of the cylinders with automatic stop of each step.**
- The integrated (on request) Steam Drying System allows to get the cylinders taken from the bench tested and perfectly dried.
No need to move the cylinders from the test bench to the drying equipment, saving labour, time and improving efficiency.



AUTOMATION PACKET:

For those customers already working with FIT50 unit, very interesting the chance to integrate it with the "automation packet", allowing to automate and convert it into the new automatic test bench.