

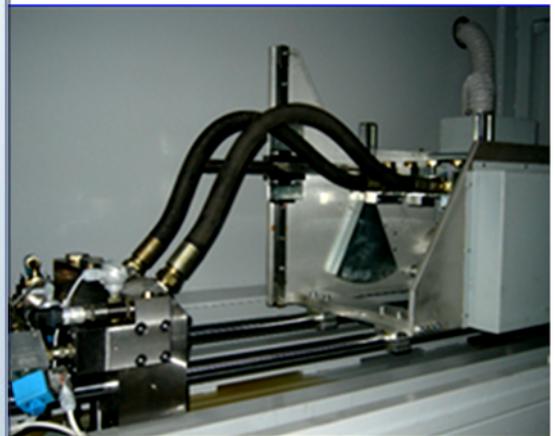
## PULSE BASIC 3 HYDRAULIC HOSES TEST BENCH



The SUPER DYNAMIC bench for impulse test of hoses is able to perform testings with waves by various forms according to the ISO-UNI 6605, DIN 20 024 and SAE J343d, with spike input according to ISO 6772 or with spike in the final.

This bench then allows the maximum freedom to achieve pulses according to the most different needs. The maximum pressure obtainable in the hose is about 94 MPa (940 bar) and the flow rate of pressurized oil supplied to each cycle is from 100 to 230 cc depending on the model chosen.

The maximum frequency is considered to be 1.2, the minimum frequency is 0.2 Hz  
The two manifolds for the hoses are equipped with No. 15 attacks each, with a disposition 5 at 0°, 5 at 45° and 5 at 90° in relation to the work surface of the bench.  
The maximum temperature of the oil for the impulse test is 130 ° C.  
The minimum installed power is 35 kW.  
The maximum size of the bench are: 2900x1600 h= 2300.



FLUIDS LIFE TIME EXTENSION

LIFE INCREASE OF PARTS AND EQUIPEMENT

REDUCING DOWNTIME AND MAINTENANCE COST

CONTAMINATION MANAGEMENT OF SISTEMS & FLUIDS

FLUIDS MONITORING & LABORATORY ANALYSIS

### SERVICES

*Technical Support*

*Installation and Setup*

*Checking & Maintenance*

*Hardware Support*



## MAIN FEATURES

- ◆ The hydraulic system is divided into two parts, the system that supplies and controls the multiplier that operates at a temperature of about 45°C, and the system which fills the manifold and the hose under test that works at a temperature adjustable up to a maximum of 130°C.
- ◆ The pressure value in the test can be set in the configuration parameters and will not change (within the permissible tolerance range) throughout the test run thanks to the automatic feedback system which the bench has.
- ◆ The setting and storing the various configurations of the parameters for the different tests done through the management program in the PC that allows you to save and exchange of data and viewing and printing of test wave.
- ◆ Remote assistance software connected via the web for changes and updates to the software and on-line monitoring.

## TECHNICAL DATA

Max flow rate (test/impulse)	100 cc—230 cc
Pmax	940 bar
Power	35 kW
Max temp.	130°C
Frequency min.-max.	0.2 Hz — 1.2 Hz
Manifold connection	15 hoses
Testing conditions	Tilt-manifold - hoses from 0° to 90°
PC + Report	Proprietary Software
Size (mm)	2900 x 1600 h=2300.
Optional :	
◆ Ability to prepare the bench according to ISO6802 and ISO / FDIS 8032 and in alternation with an alternate motion of forward / backward of one of the two manifolds with a semi-sinusoidal trend.	
◆ Refrigeration unit for independent temperature control of the hydraulic system (the standard bench is provided with a heat exchanger oil / water and expansion valve).	
◆ Possibility to prepare the bench for oil up to 150 ° C	

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*Viewing using OilSafe software square wave during testing*

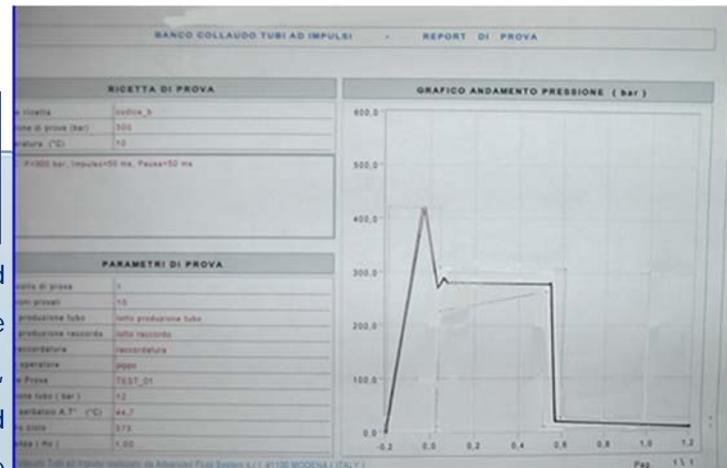
The wave trend is displayed constantly with oscilloscope effect in a frame of the screen, in another frame is displayed the wave with the reference

template and its tolerance with an indication of any parts that do not comply with the standard.

In the remaining parts of the screen displays the data and test parameters.

You can zoom in on each stage of the test charts, freeze the image etc.

The report of the data and graphics is printed in A4 size and color, also can be printed or periodic cycles or on demand at any time.



*View of the interior of the chamber during the execution of a test*



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