

## MG100412-FTSPP TEST BENCH FOR FLUSHING HOSES AND LEAK AND BURST TESTS AND PRESSURE PULSE TESTS

FLUIDS LIFE TIME EXTENSION

LIFE INCREASE OF PARTS AND EQUIPEMENT

REDUCING DOWNTIME AND MAINTENANCE COST

CONTAMINATION MANAGEMENT OF SISTEM & FLUIDS

FLUIDS MONITORING & LABORATORY ANALYSIS

### SERVICES

*Technical Support*

*Installation and Setup*

*Checking & Maintenance*

*Hardware Support*



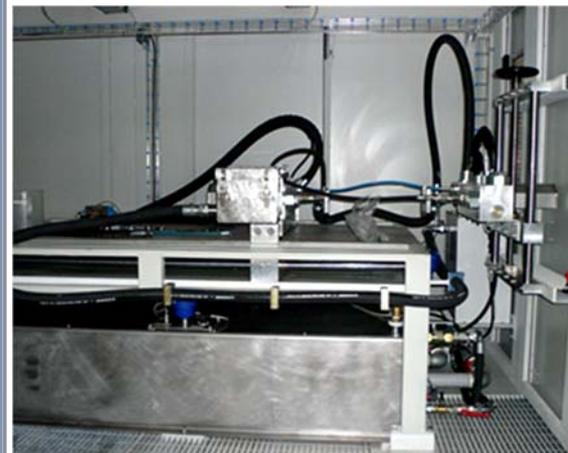
The test bench has been studied for a more efficient internal cleaning of the hoses. Each station is adjustable at will by the operator, the pumps are capable of delivering a total of more than 500 l/min using low viscosity fluids (8 to 10 cst). Has been matched to the function of flushing a circuit for testing pressure up to 700 bar, this allows the bench to have a high functional flexibility able to meet many of the typical requirements of a center of fitting systems.

The circuit for tests under pressure is made of a manifold as input device with the possibility of adjusting for vertical position, and by a manifold with the possibility of adjustment for horizontal position (forward-backward). The manifolds are each equipped with #2+2 1/2" BSP connections with possibility to integrate an interface for SAE flanges.

The tests are managed by the system:

- ◆ Leak proof
- ◆ Burst
- ◆ Pressure pulse

The electro/electronic management of the tests bench is done by PC and PLC, this allows to operate with different parameter configurations for testing stored and reused, to display the trends of tests with graphics and alphanumeric values, to print the test reports and to save various tests performed in the archive.



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## MAIN FEATURES

- ◆ A large work area with the possibility to receive an Euro pallet
- ◆ Clockwise and anticlockwise cleaning flow with the possibility to repeat the cycle.
- ◆ Test cycles under pressure.
- ◆ Electrowelded tubular structure, stainless steel tank and slide carries outlet manifold sliding on rails.
- ◆ Motor pump unit for flushing with a capacity over 500 l/min at 15 bar pressure.
- ◆ Motor pump unit for the system offline.
- ◆ Motor pump unit for pressure test.
- ◆ Motor pump unit for auxiliary control.
- ◆ 20 µm air-filter for pre-filtering inlet air.
- ◆ 0,1 µm high-efficiency air filter for circuit of pneumatic emptying of the hose in the flushing.
- ◆ Pressure filter for pre-filtration and high capacity retention offline.
- ◆ Pneumatic cylinders for rapid coupling hoses.
- ◆ Emptying with swabs for large diameter and length hoses.

## TECHNICAL DATA

Max flow rate	> 500 l/min
Max Pressure	15 bar
Power	15 kW
Temp.	40°C
In test hoses	3
Size	4000 mm x 1800 mm x 2200 mm

### Optional :

- ◆ Different number of workstation;
- ◆ Alternative filtration system;
- ◆ Particle counter for online verification of the degree of cleaning fluid used;
- ◆ Ability to use fluids with different characteristics from the standard;
- ◆ Activation and selection of the settings by reading the bar-code.

