

MONOFILL

PREPARATION, FILLING AND FULL
TRACEABILITY

You have just to connect one temperature sensor, 2 pressures transmitters, valves and “Monofill” pilots the preparation and the filling process.

- **Monofill** calculates the cylinders temperature
- **Monofill** calculates the end pressure
- **Monofill** pilots the valves
- Input your own cycles with operational steps with vent, vacuum, purge, filling, end of cycle, etc....

Monofill needs only the ambient temperature and the pressure transmitter for the vacuum control. You choose the 15°C end the filling mode (directly by the front panel or by an external push button).

You can choose the adjustable parameters :

- Time and date for starting or direct start
- Maximum pressure for the system
- Pressure transmitters range
- Temperature transmitter range
- Cylinder temperature parameters for calculation
- Coefficient for sensitivity to pressure variations
- Coefficient for sensitivity to ambient temperature influence
- End pressure at 15°C
- Adjustment for hysteresis or accuracy
- Adjustment for the initial pressure
- Pump parameters



Monofill provides :

- Signal for open or close valves, start vacuum and filling and a start pump switch with low speed switch.
- You can choose the day and time for starting
- End cycle switch
- Alarm switch

Monofill receives :

- PT100 sensor for ambient or cylinders temperature
- One analogic input for the general pressure
- One analogic input for the vacuum pressure
- Switches of the valves

Monofill shows on the screen :

- The real pressure of the cylinders
- The calculated end pressure
- The ambient temperature
- The calculated temperature for cylinders
- Steps for filling cycle
- Time and date
- A touch screen on the front panel for the operator. You can create your cycles and modify all the parameters.