



User Guide

MP-60

1. General information

The testing pump MP-60 has been developed and designed to meet the highest quality standards guaranteeing most stringent operation requirements.

A number of unique design features makes the pump different from other testing pumps.

The MP-60 testing pump is a precision tool for testing Mould cooling circuits and other pressurized installation for leakages using water or oil as testing liquid, a maximum testing pressure of 60 bar being possible.

2. General safety

1. Prior to starting the testing pump, please carefully read and follow these instructions.
2. The MP-60 is designed for specific applications. We strongly recommend that it **SHOULD NOT BE MODIFIED** nor used for other purposes.
3. Using only the liquids specified for the test is extremely important for the integrity and durability of the liquid tight systems. **NO** acid or other corrosive liquids may be used for the tests. Use only clean water or oil as alternative
4. Check the pump for damaged or defective parts prior to pump operation. The pump **MAY NOT BE USED** if pressure hoses or any other parts are flawed or broken.
5. Only original Mouldpro parts may be used for maintenance

3. Operating instructions

1. Connect the pressure hose to the equipment you wish to test while leaving valves V1 and V2 open (see next page for image).
2. Operate the pump until all the air in test pump is discharged
3. Close V1-Shutoff valve, and open one or more circuits or drains on the installation, to allow air or dirt to be discharged from the system. Pump until all the air or dirt is discharged from the installation. Then close off the circuits or drains on the installation.
4. Operate the pump until test pressure is obtained.
5. When the required pressure is obtained close V2-locking valve.
6. Open V1-shutoff valve.
7. If there is no leakage in the system pressure gauge will remain constant.

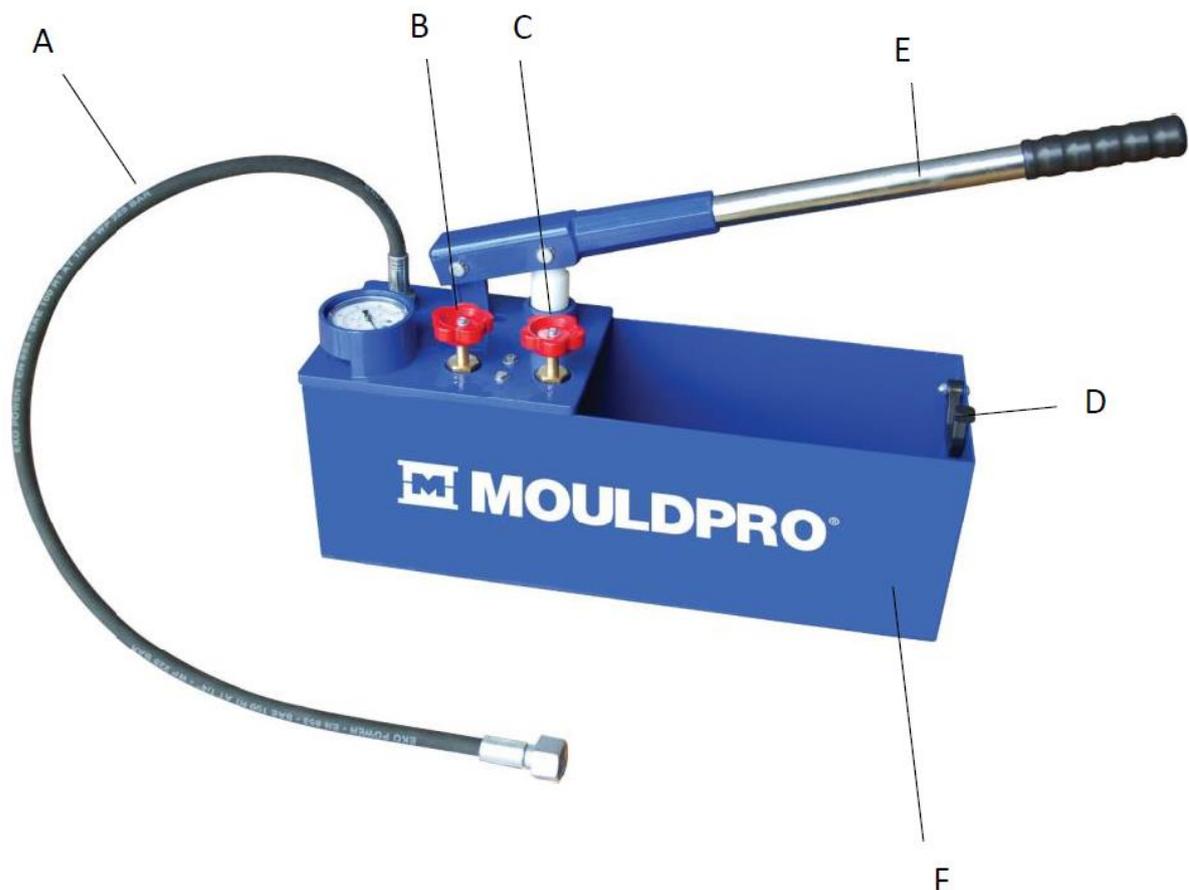
8. If the measured pressure on the gauge is exceeding the required pressure during the test you can use the V2 Valve to release pressure.
9. At the end of the test open V2 valve to release the pressure from the system. When the pressure has been released, remove the pressure hose.

4. Maintenance

Keep the tank and pump system clean. The suction pipe is supplied with a filter to prevent dirt entering the pump pressure system. If the filter should clog, remove the dirt and clean it with water. Grease the piston periodically with water repellent great.

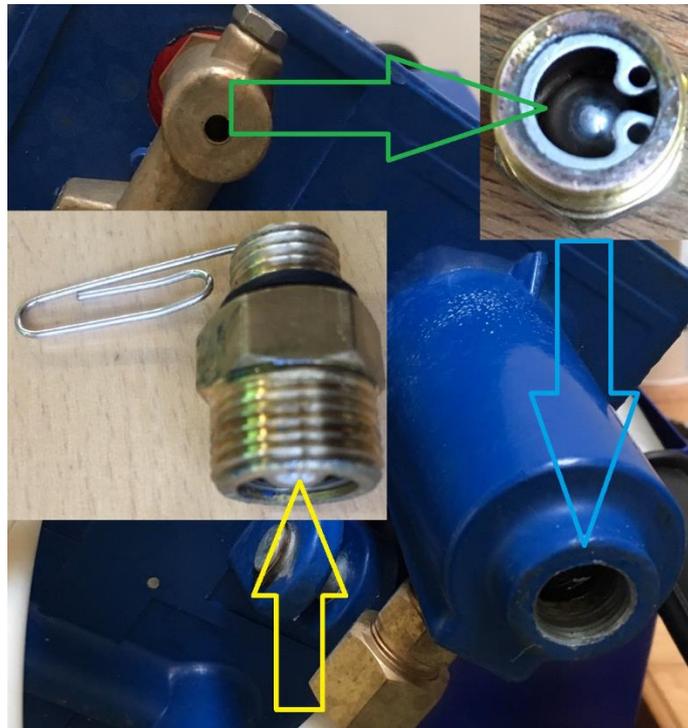
5. Specification

- A. Pressure hose
- B. V1 – shut off valve
- C. V2 Locking valve.
- D. Handle locking hook
- E. Handle
- F. Tank



6. Troubleshooting.

If the check valve becomes stuck (the pump doesn't take in water, but creates a vacuum)
Then remove the plastic filter, and loosen the steel ball (a paperclip will do the job)



Change log

Date of change	Change	Version
23-10-2019	New design	001
16-03-2023	General review to reduce confusing elements in guide.	002