

## Micromodel Experimental Set Up

To study Thermal, Chemical and Microbial Enhanced Oil Recovery, and their effectiveness, the most accurate way is to use a physical rock. However, the use of rocks have several major drawbacks. Micro Model chip technology makes it possible to create surrogate rocks to conduct experiments. Therefore, PetroAzma has developed two types of Enhanced Oil Recovery Micro Model system. These devices can be used for research into Enhanced Oil Recovery, reservoir engineering and the environment.



Specification	MES-BR01	MES-BR02
Working Pressure	Atmospheric	Atmospheric
Pressure Accuracy	0.1% F.S.	0.1% F.S.
Computer Control System	Pump + Camera + Pressure Log	Pump + Camera + Pressure Log
Input Power Supply	220 VAC, 50Hz	220 VAC, 50Hz
Infusion Pump	Pressure Safety Limit	Pressure Safety Limit
Temperature Control System	✗	Recirculating Bath
Working Temperature	✗	Up to 90 °C
Back Light System	✓	✓
Camera System	✓	✓
Accurate Gas Injection System	✗	✓

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