

DIESEL EQUIPMENT

RABOTTI BD890

RABOTTI
TORINO SINCE 1925

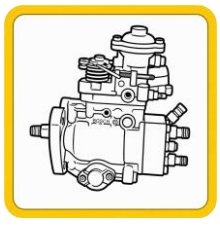
This test bench brings Rabotti's manufacturing tradition into the modern era. Equipped with a 15 kW electric motor and a 12-burette measuring rack, it enables complete testing of in-line and rotary injection pumps.

The bench includes software for generating reports and saving results at the end of each test. It can also drive other test equipment, such as EUI/EUP camboxes (e.g. IPC300/IPC600) or Common Rail modules (e.g. TEC201).

Functions

Testing in-line pumps (e.g. Bosch P, K, M, PE, etc.)
Testing rotary pumps (e.g. Bosch VA, VE, VM, etc.)
Testing boost compensation devices (LDA)
Control of 12 V / 24 V shut-off valves
Measuring transfer pump pressure
Measuring inlet vacuum
Checking internal pump housing pressure
High-pressure system for pump timing









Technical data

SPECIFICATIONS	VALUES
Dimensions	2400 × 1100 × 2150h mm
Weight	900 kg
Power supply	3P+N+PE 400 V 50/60 Hz (max. power input 22 kW)
Main motor	15 kW, 4 poles
Pump coupling	ISO4008-type coupling
Tank capacity	60 L (ISO4113 test oil)
Maximum speed	4000 rpm
Motor shaft height	125 mm

Measuring systems

SPECIFICATIONS	VALUES
Injected quantities	Graduated burettes (12 × 42 ml + 12 × 270 ml)
Pump return flow	Flowmeter 0.2 - 4.5 L/min
Supply pressure	Pressure gauge 0 - 6 bar
Vacuum	Vacuum gauge -1 - 0 bar
Transfer pump pressure	Pressure gauge 0 - 16 bar
Pump housing pressure	Pressure gauge 0 - 1.6 bar
Air supply pressure	Pressure gauge 0 - 6 bar
High-pressure supply	Sensor 5 - 60 bar
Motor speed	Digital sensor 0 - 4000 rpm
Tank temperature	Pt100 sensor
Pump outlet temperature	Pt100 sensor

Compatibility

Mechanical injector testers	Rabotti Pompa G, DSS100 or others
EUI/EUP simulators	Rabotti IPC300, IPC600 or others
Common Rail modules	Rabotti TEC201 or others

