

FF 12275 HYDRAULIC DOUBLE CIRCUIT BRAKE SYSTEM SIMULATOR - electrical

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The simulator is composed by authentic elements from the braking system of a medium powered vehicle.

The functioning is guaranteed by means of a three-phase electric motor 380V, which transmits the motion to the front and to the rear wheels in the two directions by means of an hydraulic engine.

The servo brake is connected to a vacuum pump in order to simulate its motion. A range of manometers and taps allow to measure and to change the pressure in the two systems (front and rear).

The brake pedal is connected to a lever in order to measure the foot effort during the braking phase.



Main technical specifications:

- 2 Disc brakes connected to a constant-speed joint.
- 2 Drum brakes connected to axle shafts
- Double circuit hydraulic brake pump with tank
- Depression servo brake with pedal
- Hand brake lever connected to rear drums
- Hydraulic diverter to reverse the spin direction
- Hydraulic ECU connected to an hydraulic engine in order to transmit the motion to the wheels
- A range of manometers to measure the pressures
- A range of taps to simulate circuit interruptions
- Vacuum pump for servo brake

Purposes:

This item has been created in order to make the students:

- practice the maintenance of the braking system
- test the efficiency of the braking system
- simulate the front and rear circuit failures
- simulate the presence of water in the braking system
- recognize whether there is the servo brake or not
- observe the functioning of the service brake
- test the efficiency of the braking system when the brake temperature changes

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Approx. weight and dim.:

Cm: 120x160x154h

Net Weight: kg 270

Gross Weight: kg 400