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Hydraulic Drive and Control Trainer

Transparent Hydraulic Circuit

PN:0401040040

Hydraulic Drive and Control Trainer adopts a highly transparent plexiglass hydraulic components, transparent nylon hose and red hydraulic oil to compose of a whole visual hydraulic oil loop. The structure and working principle of hydraulic components, working principle of the hydraulic circuit is vivid at a glance. Various hydraulic circuits, and hydraulic circuit lap can be designed, and the principle of the hydraulic circuit can be verified by this trainer. It is an idea trainer for colleges, universities and technical and engineering school in hydraulic principles teaching, structural analysis, hydraulic circuit design and verification visual experiments and training of hydraulic drive and control technology.

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Main Features

1. low noise hydraulic pump station to meet teaching and lab environment.
2. careful security design for safety operation.
3. Plexiglass hydraulic components and flat seal design with sophisticated processing to ensure no leakage.
4. aluminum T-slot mounting plate.

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Typical Experimental Contents

1. Pressure control loops: Pressure regulating circuit, relief circuit, pressure

holding circuit, unloading loop, balanced circuit, buffer circuit.

2. Speed control loops: Throttling speed control circuit, speed increasing circuit, speed conversion circuit.

3. Direction control loops: direction changing circuit, locking circuit

4. Multi-cylinder control loops: sequence action circuit, synchronous action circuit.

5. Hydraulic components performance experiments: dynamic components performance experiments, hydraulic components performance experiments.

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Main Technical Parameters

Nos	Items	Specification	
1	Variable blade pump	Power	0.75kw
		Voltage	380v/50hz
		Displacement	12L/min
		Max Pressure	7Mpa
		Speed	1390r/min
2	Fluid air cooling circulator	Power	38w
		Voltage	220v
		Displacement	20L/min
		Pressure	1.4Mpa
3	Cooling tank	volume	50L
4	Bench dimension	L*W*H	1570*560*1690mm
5	Weight	KG	105

*Products and configuration list described herein are subject to changes without notice.