

# BASIC HYDRAULIC TRAINING SET (EH101)

## Description

The basics of hydraulic systems is designed for TVET educational and hands-on learning purposes, This training set offers a practical introduction to the principles and components of hydraulic technology. It provides a comprehensive learning experience in fluid mechanics and hydraulic circuits.

## Able to learn : -

- Application of hydraulics
- Physical principle of hydraulic
- Understanding of hydraulic symbols
- Understanding of hydraulic circuit diagram
- Pressure/Speed control of hydraulic system
- Force measure of hydraulic cylinder
- Application of directional control valve
- Application of hydraulic actuator
- Common hydraulic operation circuit in industries
- Maintenance of hydraulic system



## Required Item

- Hydraulic basic working table (single side)
- Magnetic symbol ( Hydraulic)
- Hydraulic Operation Manual (basic)
- Hydraulic Experiment Manual (basic)
- Basic hydraulic training set

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## Technical Specification : -

No	Component	Qty	No	Component	Qty
1	Hydraulic basic worktable	1	13	4/3 - way hand level valve (ABT)	1
2	Three tier metal drawer	1	14	4/3 - way hand level valve (PT)	1
3	Aluminium profile Training Panel	1	15	Check valve	1
4	Hydraulic Power Unit	1	16	Pilot check valve	2
5	Oil tray	1	17	T-line return with gauge	1
6	Pressure relief valve	1	18	P-line distributor with gauge	1
7	Pressure reducing valve	1	19	T connector	1
8	Double-acting cylinder	1	20	Shut-off valve	1
9	Hydraulic motor	1	21	Hose 1500mm	2
10	Flow control valve (pressure compensated)	1	22	Hose 1000mm	6
11	One-way flow control valve	1	23	Hose 600mm	10
12	4/2 - way hand level valve	1	24	Hydraulic oil	1