

HYDRAULIC AND PNEUMATIC SKILLS TRAINER (2 SIDE WORKBENCH)

Model Number : GOTT-HYDPNE-1

DESCRIPTION :

The trainer covers several skill areas, such as pneumatic transmission, hydraulic transmission, traditional relay control and sensor application technology. It is the combination of hydraulic transmission technology and various modern pneumatic control technologies. It adopts two side workbench structure design. 2 groups of students are able to carry out the different training on the machine at the same time.



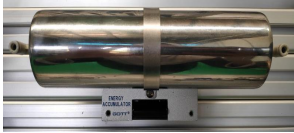
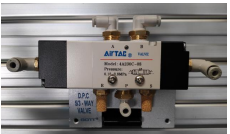


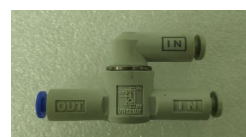
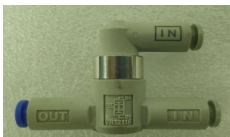






PRODUCT MODULES FOR PNEUMATICS

COMPONENT DESCRIPTION	QTY	COMPONENT DESCRIPTION	QTY	COMPONENT DESCRIPTION	QTY
Double Acting Cylinder, One Way Throttle Valve & Electronic Control Travel Switch	3	Roller Level Mechanical Valve/ 3/2-Way Roller Valve	4	Single Electronic Controlled 5/2 – Way valve	2
Single Acting Cylinder	1	Single Pneumatic Control 3/2 – Way Valve (NO)	1	Double Electronic Controlled 5/2 – Way valve	1
Clean Air Component (FRL), Oil – Water Separator, Rotary Knob Valve & Reducing Valve with Pressure Gauge	1	Single Pneumatic Control 3/2 – Way Valve (NC)	1	Double Electronic Controlled 5/3 – Way valve	1
Manual Control 5/2 –Way valve/ 5/2 - way valve select S/W	1	Single Pneumatic Control 5/2 – Way	2	Single Electronic Controlled 3/2 – Way valve (N/C)	2
Time Delay Valve N/C & N/O	1	Convex Head Button Type Manual Valve	4	Air Distributor	1

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PRODUCT MODULES FOR PNEUMATICS

COMPONENT DESCRIPTION	QTY		QTY	SYMBOL	QTY
Double Pneumatic Control 5/2 – Way 	2	3/2 - Way Pressure Sequence Valve 	1	Energy Accumulator 	1
Double Pneumatic Control 5/3 – Way 	1	Pressure Relay 	1	Quick Exhaust Valve 	1
Shuttle Valve (OR gate valve) 	1	Dual Pressure Valve (AND gate valve) 	1	T-Joint 	1
3-Fold Relay 	1	Electric Distributor and Indicator 	1	Push Button Switch 	1
Power Supply +24V 	1	Connecting Lead 			







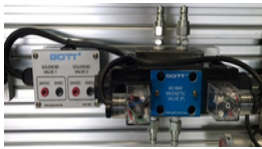





EXPERIMENT TOPICS :

- Reversing circuit of Single Acting Cylinder
- Reversing circuit of Double Acting Cylinder
- Single Acting Cylinder speed control circuit
- Double Acting Cylinder one-way speed governing circuit
- Double Acting Cylinder bidirectional speed governing circuit
- OR and AND gate shuttle valve application circuit
- Double Acting Cylinder synchronous action circuit
- Quick Exhaust Valve application circuit
- Quick Exhaust Valve application circuit
- Secondary Pressure control circuit
- Relay Controlled Sequence action circuit
- Pressure Relay control circuit
- 3/2-way pressure sequence valve control circuit
- Multicylinder sequence action circuit
- Cushion circuit
- Delay Circuit
- Interlocking Circuit

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PRODUCT MODULES FOR HYDRAULICS

COMPONENT DESCRIPTION	QTY	COMPONENT DESCRIPTION	QTY	COMPONENT DESCRIPTION	QTY
Double-Acting Cylinder 	2	4/2-Way Magnetic Exchange Valve 	2	Pilot Operated Overflow Valve 	1
Single-Acting Cylinder 	1	3/2-Way Magnetic Exchange Valve 	1	Direct Acting Overflow Valve 	2
4/3-Way Magnetic Valve (O) 	1	Hand Operated Reversing Valve 	1	One-Way Sequence Valve 	2
4/3-Way Magnetic Valve (H) 	1	One-Way Valve 	2	Pilot Operated Check Valve 	2
4/3-Way Magnetic Valve (M) 	1	One-Way Speed Control Valve 	2	Pressure Relay 	1
4/3-Way Magnetic Valve (P) 	1	Throttle Valve 	2	Pressure Gauge & T-Joint 	4
4/3-Way Magnetic Valve (Y) 	1	Reducing Valve 	1	3-Fold Relay 	1

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PRODUCT MODULES FOR HYDRAULICS

COMPONENT DESCRIPTION	QTY		QTY	SYMBOL	QTY
3-Fold Relay 	1	Electric Distributor and Indicator 	1	Push Button Switch 	1

ADDITIONAL ITEMS

- Hose (Transparent) 1200mm
- Hose 1200mm
- Hose 800mm
- Quick Coupler

EXPERIMENT TOPICS :

- Reversing Circuit, Stroke Valve And Locking Circuit Of "O" Type Function Reversing Valve
- Locking Circuit Of Pilot Operated Check Valve
- Pressure Regulating Circuit
- Secondary Pressure Circuit
- Hydraulic Circuit Of Reducing Valve
- Meter In Trottle Governing Circuit
- Meter Out Trottle Governing Circuit
- Flow Valve Short-Connected Speed Changeover Circuit
- Sequence Action Circuit Of Sequence Valve
- Sequence Action Circuit Of Pressure Relay
- Unloading Circuit Of Reversing Valve
- Secondary Feeding Circuit

Manuals :

- (1) All manuals are written in English.
- (2) Model Answer
- (3) Teaching Manuals

General Terms :

- (1) Accessories will be provided where applicable.
- (2) Manuals & Training will be provided where applicable.
- (3) Designs & Specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product

Warranty :

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
HYDRAULIC AND PNEUMATIC SKILLS TRAINER	GOTT-HYDPNE-1	593-000

* Proposed design only, subject to changes without any notice