



INDUSTRIAL TRAINING Workstation

GP Strategies Hydraulics Training Station



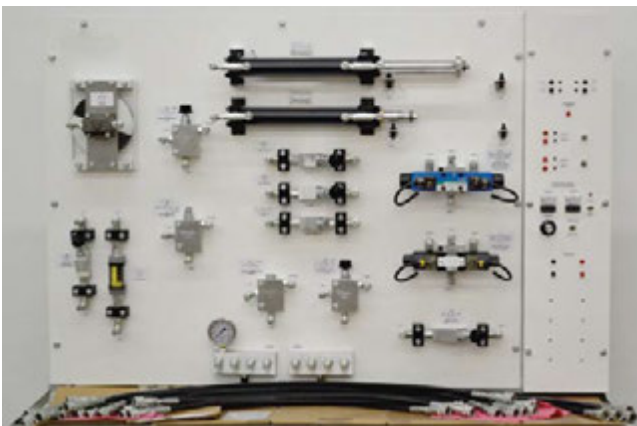
The GP Strategies® Hydraulics Trainer is a portable hydraulics training system. This system allows students to design, build, and troubleshoot basic and advanced hydraulics circuits in a safe environment.

The trainer is composed of various hydraulic components, such as:

- Solenoid-controlled directional valve
- Proportional-controlled directional valve
- Various regulators
- Cylinders
- Limit switches
- Gauges
- Hydraulic motor

Students are able to design and build hydraulic circuits, which provides hands-on learning in addition to classroom instruction.

Featuring an optional built-in programmable logic controller, the trainer enables students to build, troubleshoot, and maintain hydraulic systems that are controlled by automated systems.



Equipment Included

- Hydraulic hoses with quick disconnects
- Splitters
- Hydraulic fluid reservoir
- Hydraulic pump

Equipment Requirements

- 110V single phase power

Optional Equipment

- Programmable logic controller and controls

Courseware Pairing

The GP Strategies Hydraulics Trainer pairs with the following GP Strategies Craft Skills Maintenance Training courseware:

- MM-125: Hydraulics and Pneumatics Fundamentals
- MM-300: Hydraulics Applications

GP Strategies World Headquarters
70 Corporate Center
11000 Broken Land Parkway, Suite 200
Columbia, MD 21044 USA



gpstrategies.com

1.888.843.4784

info@gpstrategies.com



Industrial Training Workstation

GP Strategies Hydraulics Training Station

DATA SHEET



GP Item Number	Item Description	Unit Quantity
MM-400-001	Manifold (Ninety degree)	3
MM-400-002	Manifold (Inline)	2
MM-400-003	Cartridge (3:1 pilot ratio, standard capacity counterbalance valve)	1
MM-400-004	Cartridge (Normally open, modulating element)	1
MM-400-005	Cartridge (Ventable, pilot operated, balanced piston relief valve)	1
MM-400-006	Cartridge (Fully adjustable needle valve with reverse flow check)	1
MM-400-007	Cartridge (Free flow nose to side check valve)	1
MM-400-008	Handknob with locknob control kit	2
MM-400-009	Cylinder	2
MM-400-010	Flowmeter	1
MM-400-011	Hydraulic Motor	1
MM-400-012	Directional Valve Solenoid Operated Float Center	1
MM-400-013	Parker Prop. Dir. Cart Valve	1
MM-400-014	Parker Proportional Relief Car	1
MM-400-015	Parker Coil 12VDC	1
MM-400-016	Parker Valve Body	1
MM-400-017	Subplate	1
MM-400-019	Manifold, Metal, NPT, 4-3/4 In. L	2
MM-400-021	Skid	1
MM-400-022	24" Hose	5
MM-400-023	36" Hose	7
MM-400-024	48" Hose	2
MM-400-025	3/8"-18 Steel Hydraulic Coupler Body (male)	50
MM-400-026	3/8"-18 Steel Hydraulic Coupler Body (female)	35
MM-400-027	Tee	8
MM-400-028	Elbow	43
MM-400-029	Adapter bushing	25
MM-400-030	Nipples	10
MM-400-031	Regulator	1
MM-400-032	Ported Manifold	3
MM-400-033	Gear	1
MM-400-034	5 Gallon Reservoir w/sightglass	1
MM-400-035	Pressure Gage (0-1500)	4
MM-400-036	Filter	1
MM-400-037	Pump	1

Industrial Training Workstation

GP Strategies Hydraulics Training Station

DATA SHEET



GP Item Number	Item Description	Unit Quantity
MM-400-038	Dynapar Magnetic Tacometer	1
MM-400-039	Black Female Banana Plug (10 pack)	1
MM-400-040	Red Female Banana Plug (10 pack)	1
MM-400-041	Red Indicating Light	18
MM-400-042	4 Position Selector Switch	1
MM-400-043	Green Momentary Push Button	1
MM-400-044	Red Momentary Push Button	1
MM-400-045	2 Position Toggle Switch 2A250V/5A125V	4
MM-400-046	3 Position Toggle Switch Spring Return Middle 10A250V/15A/125V	2
MM-400-047	2 Position Toggle Switch 10A250V/15A125V	3
MM-400-048	10K Rheostat	2
MM-400-049	DC Voltmeter 0-15 V	3
MM-400-050	Cutler B-Line Cutout Box	2
MM-400-051	Siemens 1 Phase Manual Motor Controller Switch	1
MM-400-052	Siemens Sirius 3 Phase Contactor	1
MM-400-053	Siemens Sirius 3 Phase Overload	1
MM-400-054	120VAC to 24VDC Power Supply	1
MM-400-055	Ferraz Shawmut Fuse Holder	1
MM-400-056	Littlefuse Time Delay Fuse	1
MM-400-057	6 Connection Terminal Board	1
MM-400-058	8 Connection Terminal Board	1
MM-400-059	Green N.O. Pushbutton	1
MM-400-060	Red N.C. Pushbutton	1
MM-400-061	Crouzet Millenium II PLC (Item Is Discontinued Replaced With Millenium 3)	1
MM-400-062	Aron REM S	1
MM-400-063	Aron REM D	1
MM-400-064	1/2" Electrical male compression fitting	7
MM-400-065	12 pole terminal barrier	4
MM-400-066	NEMA 110V AC Male Plug	1
MM-400-067	SO3-10AWG Cable Per Foot	25
MM-400-068	Red wiring 500ft spool	1
MM-400-069	Black wiring 500 ft spool	1
MM-400-070	Instrumentation Wire Per Foot	50

GP Strategies World Headquarters
70 Corporate Center
11000 Broken Land Parkway, Suite 200
Columbia, MD 21044 USA



gpstrategies.com
1.888.843.4784
info@gpstrategies.com

