

MCCC Hydraulic Trainer Specs

Below is the desired capabilities and components for the new trainers:

- A curriculum of hydraulic systems and/or instructional lessons to include circuit troubleshooting tips for training.
- Double sided trainers that are portable.
- The ability to create aeration and pump cavitation examples.
- Modern industrial use components such as valves, pumps, hoses, and fittings.
- Hoses/fittings that are “no-leak”.
- Pressure relief valve.
- Accumulator.
- Filtration.
- Variable/adjustable pumps.
- 3/2 (3 port/2 position) directional control valves.
- 4/3 directional control valves with different center positions.
- Solenoid controlled valves.
- Proportional valve with joystick control.
- Counterbalance valve.
- Pilot-operated check valve.
- Pressure and temperature compensated flow control valves.
- Sequence valve.
- Reducing valve.
- Flow divider.
- Cylinders (double-acting, single-acting, and limit switch activating).
- Hydraulic motor w/adjustable torque.
- Pressure gauges.
- Accessories such as: tees, extra connectors, inline flow meter, etc.
- Pressure release capabilities to implement after assignments.

Please also include the following in the bid:

- On-site training for instructors.
- Any applicable shipping and/or freight charges.
- Any necessary setup, assembly, or installation charges.
- Any recommended spare parts or consumables (hydraulic fluid, seals, etc).