

ACCUMULATOR w/DIFFERENTIAL PRESSURE UNLOADING VALVE MODULE

DESCRIPTION

The MF100-ACC accumulator with differential pressure unloading valve module is just one of the many modules, which can be easily attached to the MF101 series simulator to increase its already impressive teaching, and learning, capability.

Once attached to any of the MF100 series simulators, the accumulator with differential pressure unloading valve becomes an integral part of the simulator and operates seamlessly with all the components on the simulator.

The turn-key “Plug-N-Play” accumulator with differential pressure unloading control valve module has everything that a student needs to learn about accumulators and differential



TYPICAL APPLICATIONS

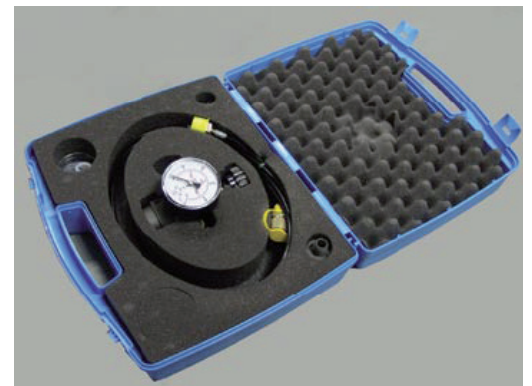
Process machinery, packaging machines, production machines, plastic injection molding machines, mobile machinery, assembly lines, steel and timber mills, theme and amusement parks, etc.

TARGET CLIENT

Technical colleges, universities, military training facilities, corporate technical training facilities, and owners of existing, FPTI™ and non-FPTI™ brand fluid power trainers/simulators.

TARGET AUDIENCE

Students who plan on a career in servicing, maintaining, repairing and troubleshooting industrial and mobile equipment, mobile equipment repair technicians, component rebuild technicians, and field service technicians.



Accumulator charge kit included with module

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LEARNING OBJECTIVES

The MF100-ACC training module will aid instructors in teaching students the following:

1. Correct safety practices when working on and around accumulators.
2. The various types of accumulators.
3. How the various types of accumulators function.
4. Advantages and disadvantages of accumulators.
5. Typical industrial and mobile applications for accumulators.
6. How to properly and safely use an accumulator nitrogen pre-charge kit.
7. How to properly and safely pre-charge an accumulator with nitrogen.
8. How to interpret the symbol for an accumulator.
9. Correct safety practices when working on and around differential pressure unloading valves.
10. Advantages and disadvantages of differential pressure unloading valves.
11. How a differential pressure unloading valve functions.
12. Typical industrial and mobile applications for differential pressure unloading valves.
13. How to properly and safely install a differential pressure unloading valve in a system.
14. How to properly and safely set a differential pressure unloading valve.
15. How to interpret the symbol for a differential pressure unloading valve.

The MF100-ACC accumulator with differential pressure unloading valve module consists of the following components:

1. One (1) quart bladder-type accumulator.
2. Cartridge-type, adjustable, differential pressure unloading valve with integral check valve.
3. Cartridge-type, adjustable safety relief valve.
4. Pressure gauge, 0 –1000 PSI (0-69 bar), Bourdon tube-type, glycerine-filled, panel-mounted.
5. Anti-hydra-lock safety valve.
6. All transmission lines are fabricated out of stainless-steel tubing.
7. All connections are stainless-steel Swagelok®-type connectors.
8. Aluminum, self-contained cabinet with removable back-cover. Both are finished with durable powder-coat finish.
9. Integrated drip-tray with Dri-dek™ mat and drain-tube (drains into self-drain, oil drip-tray on all MF100 series simulators).
10. All connections are with “zero-leak” flat-face quick-connect/disconnect valves. Connections are compatible with all connections on the MF100 series simulators.
11. Anodized, brushed aluminum face-plate with screen-printed safety warnings and cautions, component identification, and appropriate hydraulic symbols.
12. Accumulator nitrogen charging kit with rugged storage-case.